

C0. Introduction

C0.1

(C0.1) Give a general description and introduction to your organization.

Allegro MicroSystems, Inc. (together with its subsidiaries, "Allegro" or the "Company") is a global designer, developer, fabless manufacturer and marketer of sensor integrated circuits ("ICs") and application-specific analog power ICs enabling the most important emerging technologies in the automotive and industrial markets. With over 4,600 global employees, we serve a wide variety of customers in the e-Mobility, which we define as the electrification of vehicles and the increasing adoption of advanced safety-related driver assistance systems, known as ADAS, and industrial markets, and our innovations in sensor and power ICs enable advancements in motion control and energy-efficient systems. Anyone who drives a car, uses cloud data services, or generates electricity using solar panels interacts with Allegro's technology, and we could not be prouder of how these intelligent solutions come to life to make daily processes more effective, convenient, and sustainable. In the decades since Allegro was founded, our commitment to "Innovate with Purpose" has empowered our success. We created advanced semiconductor technology and application-specific algorithms that give customers the competitive edge they need to make breakthroughs in important areas like advanced mobility, clean energy, and factory automation. In the two years we have been a publicly traded company, we have established a strong track record, achieving record revenues and earnings per share in the last few quarters while continuing to expand gross margins. Each year, we ship more than one billion units to support over 10,000 customers across the globe.

The Company is headquartered in Manchester, New Hampshire, U.S. Our operations are primarily conducted at our manufacturing, operations and facilities located in the U.S. and the Philippines. We also lease design and applications support centers in the Americas, Asia and Europe. For purposes of this submission, we are only reporting on our facilities in the U.S. and the Philippines where manufacturing and research and development are conducted, and these locations represent over 90% of our global emissions.

At Allegro, we are committed to protecting the natural environment and adhering to international standards and regulations regarding manufacturing and business procedures, and product composition. We foster a values-based culture, and we believe that corporate responsibility, sustainability, employee engagement, good governance, and community impact go hand-in-hand. We strive to operate our Company in a responsible manner to create a workplace where our employees thrive, to have a positive impact on our communities, and to develop products that help move the world toward a safer and more sustainable future.

Our Mission and Values

At Allegro, we Innovate with Purpose. Our mission is to be a global leader in power and sensing solutions for motion control and energy-efficient systems. With a commitment to our purpose and values, we aim to meet each challenge with thoughtful, future-focused innovation, producing work that strives to redefine semiconductor technologies and paves the way for a cleaner, more sustainable future. Allegro's core values shape everything we do, and we embed them in every workstream, process, and product. As the end of our 2023 fiscal year ended on March 31, 2023, Allegro's values and the scope of the commitment to Innovate with Purpose had been expanded and informed by our ESG strategy and our five signature initiatives: maximize the positive impact of our products, minimize our impact on the planet, engage our supply chain to advance sustainability, build a diverse workforce, and cultivate opportunities in local communities. Allegro's values are described in more detail below.

Innovate With Purpose: We meet each challenge with thoughtful, impactful innovation - which leads to a better tomorrow

Collaborate Globally: We work together as one team - which leads to the best business decisions

Exceed Customer Expectations: We anticipate and exceed our customer's needs - which leads to stronger business partnerships

Empower With Trust: We encourage and trust employees to make sound decisions - which leads to a strong, enabled workforce

Achieve With Excellence: We are never satisfied with the status quo - which leads to higher standards of performance

Develop Timely Solutions: We proactively develop solutions and resolve issues effectively - which leads to greater success

C0.2

(C0.2) State the start and end date of the year for which you are reporting data and indicate whether you will be providing emissions data for past reporting years.

Reporting year

Start date

April 1 2022

End date

March 31 2023

Indicate if you are providing emissions data for past reporting years

Yes

Select the number of past reporting years you will be providing Scope 1 emissions data for

5 years

Select the number of past reporting years you will be providing Scope 2 emissions data for

5 years

Select the number of past reporting years you will be providing Scope 3 emissions data for

Not providing past emissions data for Scope 3

C0.3

(C0.3) Select the countries/areas in which you operate.

- Argentina
- China
- Czechia
- France
- Germany
- India
- Ireland
- Italy
- Japan
- Philippines
- Republic of Korea
- Taiwan, China
- United Kingdom of Great Britain and Northern Ireland
- United States of America
- Uruguay

C0.4

(C0.4) Select the currency used for all financial information disclosed throughout your response.

USD

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.

Operational control

C0.8

(C0.8) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization	Provide your unique identifier
Yes, a Ticker symbol	Nasdaq: ALGM

C1. Governance

C1.1

(C1.1) Is there board-level oversight of climate-related issues within your organization?

Yes

C1.1a

(C1.1a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for climate-related issues.

Position of individual or committee	Responsibilities for climate-related issues
Other, please specify (Board of Directors)	Each year, our Board dedicates one of its scheduled meetings to matters related to the governance and promotion of ESG topics and initiatives at Allegro. The Board is engaged in our ESG strategy. On a quarterly basis, senior management reports on key ESG activities to the Board's Nominating and Corporate Governance Committee (NCGC). The NCGC provides direct oversight on ESG initiatives and receives regular updates on our strategy, a responsibility that is codified in its committee charter.
Board-level committee	As described above, the NCGC is responsible for oversight of ESG matters, including climate-related issues, and this responsibility is codified in its committee charter. On a quarterly basis, senior management reports on key ESG activities to the NCGC. In addition, the Board is engaged in our ESG strategy and is involved in instituting a formal accountability process for our five strategic initiatives that help inform our ESG strategy: maximize the positive impact of our products; minimize our impact on the planet; engage our supply chain to advance sustainability; build a diverse and innovative workforce; and cultivate opportunities in local communities.

C1.1b

(C1.1b) Provide further details on the board's oversight of climate-related issues.

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Scope of board-level oversight	Please explain
Other, please specify (Quarterly)	Reviewing and guiding annual budgets Overseeing major capital expenditures Overseeing acquisitions, mergers, and divestitures Reviewing innovation/R&D priorities Reviewing and guiding strategy Overseeing and guiding the development of a transition plan Monitoring the implementation of a transition plan Overseeing the setting of corporate targets Monitoring progress towards corporate targets Overseeing and guiding public policy engagement	<Not Applicable>	The Board receives quarterly updates from management and provides oversight on material ESG issues along with sustainability initiatives.
Other, please specify (Annually)	Other, please specify (Governance and promotion of ESG topics and initiatives at Allegro)	<Not Applicable>	The Board dedicates one of its regularly scheduled meetings each year to delve into ESG governance and initiatives in greater detail.
Other, please specify (Quarterly)	Other, please specify (Management update on ESG strategy and initiatives)	<Not Applicable>	The NCGC is briefed quarterly on the status of ESG matters, including material climate-related issues.

C1.1d

(C1.1d) Does your organization have at least one board member with competence on climate-related issues?

	Board member(s) have competence on climate-related issues	Criteria used to assess competence of board member(s) on climate-related issues	Primary reason for no board-level competence on climate-related issues	Explain why your organization does not have at least one board member with competence on climate-related issues and any plans to address board-level competence in the future
Row 1	Yes	The criteria used was experience in ESG-related activities at other companies and being a member of an internal ESG Committee for the Board member's principal employer.	<Not Applicable>	<Not Applicable>

C1.2

(C1.2) Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.

Position or committee
Sustainability committee

Climate-related responsibilities of this position
Setting climate-related corporate targets
Managing value chain engagement on climate-related issues
Managing climate-related risks and opportunities

Coverage of responsibilities
<Not Applicable>

Reporting line
Other, please specify (General Counsel (Senior Vice President, General Counsel and Corporate Secretary))

Frequency of reporting to the board on climate-related issues via this reporting line
Quarterly

Please explain
We formed an ESG Steering Committee in FY22 to lead our sustainability efforts. The Committee has Executive Sponsorship from our Senior Vice President, General Counsel and Corporate Secretary. The Committee is a cross-functional team comprised of leaders and subject matter experts from across the Company. The ESG Steering

Committee collaborates with our full-time ESG team (Senior Director, ESG and ESG Manager) to manage and oversee communications about sustainability topics with employees, investors, customers, suppliers, and other stakeholders. In addition, the Committee works to monitor and assess our sustainability developments and to expand our awareness of ESG priorities by fostering a culture of commitment to sustainability within Allegro. As part of this work, they consider current and emerging ESG trends that may affect the Company or are otherwise relevant to our organization and stakeholders and make recommendations for how we can address these trends to ensure compliance and the success of our forward-looking initiatives. The ESG Steering Committee operates pursuant to a written charter that was adopted in FY23.

Position or committee

General Counsel

Climate-related responsibilities of this position

Developing a climate transition plan
Setting climate-related corporate targets
Monitoring progress against climate-related corporate targets
Other, please specify (Managing ESG program as executive sponsor of ESG)

Coverage of responsibilities

<Not Applicable>

Reporting line

CEO reporting line

Frequency of reporting to the board on climate-related issues via this reporting line

Quarterly

Please explain

In FY23, Allegro's President and CEO appointed the Senior Vice President, General Counsel and Corporate Secretary as executive sponsor of ESG. Our SVP, General Counsel and Corporate Secretary oversees the Company's ESG program and our ESG specialists are a part of the Company's legal organization.

Position or committee

Other, please specify (Senior Vice President, Global Operations and Quality)

Climate-related responsibilities of this position

Implementing a climate transition plan
Conducting climate-related scenario analysis
Assessing climate-related risks and opportunities
Other, please specify (Reducing negative environmental impacts of operations, Improving environmental profile of third parties in the supply chain, Improve quality of operations to reduce waste, Improve efficiency of operations)

Coverage of responsibilities

<Not Applicable>

Reporting line

CEO reporting line

Frequency of reporting to the board on climate-related issues via this reporting line

Quarterly

Please explain

The Senior Vice President, Global Operations and Quality, oversees the Vice President of Supply Chain (Scope 3 emissions) and Vice President of Global Assembly and Test Operations who manages the operations of our manufacturing facility and other physical facilities and the corresponding climate-related risks and opportunities associated with our physical operations.

Position or committee

Other, please specify (Senior Director, ESG)

Climate-related responsibilities of this position

Implementing a climate transition plan
Assessing climate-related risks and opportunities

Coverage of responsibilities

<Not Applicable>

Reporting line

Other, please specify (Senior Vice President, General Counsel and Corporate Secretary)

Frequency of reporting to the board on climate-related issues via this reporting line

Quarterly

Please explain

In FY23 we created two new full-time roles within the organization to support our ESG efforts. We filled these positions and now have both a Senior Director, ESG and an ESG manager as part of our dedicated ESG team to advance our ESG strategy development and manage continuous improvement of our ESG program. This team reports to our Senior Vice President, General Counsel and Corporate Secretary. The ESG team coordinates and facilitates ESG Steering Committee activities and is focused on the advancement of Allegro's overall ESG strategy development and the continuous improvement of our ESG program. Some of the key responsibilities for the ESG team include:

- Develop ESG goals and strategic roadmap
- Advise on organizational goals and targets
- Coordinate and facilitate the ESG Steering Committee
- Work with internal stakeholders on development of our annual ESG report
- Manage the implementation of ESG metric reporting across global and business unit functions
- Monitor statutory, key market, and industry developments as they relate to ESG
- Support external stakeholder ESG requests

C1.3

(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	The Company offers employees the opportunity to earn monetary and other incentives for participation in activities as well as achieving ESG targets and goal. For additional information, see C1.3a below.

C1.3a

(C1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).

Entitled to incentive

General Counsel

Type of incentive

Monetary reward

Incentive(s)

Bonus - % of salary
Shares

Performance indicator(s)

Other (please specify) (Development and implementation of Company-wide ESG strategy, including the signature initiative related to Minimizing our Impact on the Planet, which involves climate-related risks and opportunities)

Incentive plan(s) this incentive is linked to

Both Short-Term and Long-Term Incentive Plan

Further details of incentive(s)

Amount of annual bonus and restricted stock unit grants based on progress against individual and company goals, including individual goals tied to ESG.

Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan

Our Senior Vice President, General Counsel and Corporate Secretary assumed the executive leadership of the Company's ESG program, including climate commitments and climate transition plan, and has ESG goals as part of her individual performance goals, which are tied to her financial incentives. In addition, the General Counsel oversees multiple members of her legal team described below who also have individual performance goals that are tied to monetary incentives, creating alignment in the execution of the Company's plans.

Entitled to incentive

Other, please specify (Senior Counsel, Securities and Corporate Governance)

Type of incentive

Monetary reward

Incentive(s)

Bonus - % of salary
Shares

Performance indicator(s)

Other (please specify) (Development and implementation of Company-wide ESG strategy, including the signature initiative related to Minimizing our Impact on the Planet, which involves climate-related risks and opportunities)

Incentive plan(s) this incentive is linked to

Both Short-Term and Long-Term Incentive Plan

Further details of incentive(s)

Amount of annual bonus and restricted stock unit grants based on progress against individual and company goals, including individual goals tied to ESG.

Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan

The Senior Counsel, Securities and Corporate Governance (reporting into the Senior Vice President, General Counsel and Corporate Secretary), assumed day-to-day leadership of the organization's climate commitments and climate transition plan in connection with the Senior Vice President, General Counsel and Corporate Secretary becoming the executive sponsor for ESG. In FY23 this role had ESG goals as part of the individual performance goals, which were tied to his financial incentives. In addition, the Senior Counsel, Securities and Corporate Governance oversaw the ESG team, with a member who had individual performance goals tied to monetary incentives, creating alignment in the execution of the Company's plans.

Entitled to incentive

Other, please specify (Senior Director, ESG)

Type of incentive

Monetary reward

Incentive(s)

Bonus - % of salary
Shares

Performance indicator(s)

Other (please specify) (Development and implementation of Company-wide ESG strategy, including the signature initiative related to Minimizing our Impact on the Planet, which involves climate-related risks and opportunities)

Incentive plan(s) this incentive is linked to

Both Short-Term and Long-Term Incentive Plan

Further details of incentive(s)

Amount of annual bonus and restricted stock unit grants based on progress against individual and company goals, including individual goals tied to ESG.

Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan

The Senior Director, ESG (reporting into the Senior Vice President, General Counsel and Corporate Secretary), assumed day-to-day leadership of the organization's climate commitments and climate transition plan upon joining the Company to fill this newly created role in FY23. This role had ESG goals as part of the individual performance goals, which were tied to her financial incentives. In addition, the Senior Director, ESG assumed responsibility for managing the ESG team, with a member who had individual performance goals tied to monetary incentives, creating alignment in the execution of the Company's plans.

Entitled to incentive

Other, please specify (ESG Manager)

Type of incentive

Monetary reward

Incentive(s)

Bonus - % of salary

Performance indicator(s)

Other (please specify) (Development and implementation of Company-wide ESG strategy, including the signature initiative related to Minimizing our Impact on the Planet, which involves climate-related risks and opportunities)

Incentive plan(s) this incentive is linked to

Both Short-Term and Long-Term Incentive Plan

Further details of incentive(s)

Bonus based on progress against goals.

Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan

In FY23 Allegro created a new role and hired the ESG Manager, who reports into the Senior Director, ESG who is managing the organization's climate commitments and climate transition plan. The ESG Manager has financial incentives that are partially tied to ESG goals, creating alignment in the execution of the plan.

Entitled to incentive

Environmental, health, and safety manager

Type of incentive

Monetary reward

Incentive(s)

Bonus - % of salary

Performance indicator(s)

Reduction in emissions intensity

Incentive plan(s) this incentive is linked to

Both Short-Term and Long-Term Incentive Plan

Further details of incentive(s)

The primary incentive provided for achieving set targets is monetary, as part of our Annual Incentive Plan (otherwise known as AIP).

Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan

Our manufacturing site establishes an energy reduction target on an annual basis. Achievement toward related targets is incorporated into the performance management goals for relevant employees such as the Environmental, Health, and Safety Manager.

Entitled to incentive

All employees

Type of incentive

Non-monetary reward

Incentive(s)

Other, please specify (Incentives provided to employees include commuting benefits, targeted donations, recognition in internal communications and postings throughout facilities, and eligibility to win prizes, including apparel and gift cards (event and site-dependent).)

Performance indicator(s)

Implementation of employee awareness campaign or training program on climate-related issues

Incentive plan(s) this incentive is linked to

Not part of an existing incentive plan

Further details of incentive(s)

We offer employees the opportunity to participate in a variety of programs based upon community environmental impacts. An example from FY23 from Allegro MicroSystems Philippines Inc. ("AMPI"), our wholly owned manufacturing subsidiary in Manila, Philippines, includes carpooling or ride share to conserve fuel and reduce our carbon footprint. Employees who carpool are given reserved parking as an incentive. We also offer free mass transport shuttle services as a benefit to employees in the Philippines that provide mass transportation for our employees from pick up points to the facility and back in order to optimize fuel consumption, minimize gas emissions thereby reducing our carbon footprint. We have more than 70% engagement from our employees using the shuttle service. There is other programming and events at all office locations, and through participation in our recycling program. Within the reporting period, we also encouraged employees to participate in environmentally based programs. These initiatives encouraged employees and their families to be environmentally aware in their actions and provided opportunities to improve their local communities. FY23 examples include, but are not limited to:

Earth Day: Employees were encouraged to participate in local clean-up projects in the Manchester, NH and Marlborough, MA offices that involved raking, litter/trash cleanup, collecting downed branches, and reporting any vandalism/graffiti/hazardous waste back to the respective city.

In May 2022, AMPI launched its Green Transformation Project. In keeping with our commitment to support a cleaner, greener world through technology and innovation, AMPI's Green Transformation Project promotes the importance of protecting and preserving nature for the generations to come. The project launch was marked by the

planting of native flora at our Paranaque site, including 34 native trees, 620 shrubs, and 2,350 assorted additional plants.

For International Women in Engineering Day, we teamed up with One Tree Planted, to plant a tree in honor of each of our women engineers and technicians globally.

Explain how this incentive contributes to the implementation of your organization’s climate commitments and/or climate transition plan

This incentive supports our signature initiative - to Minimize our Impact on the Planet, as ride sharing conserves fuel and reduces our carbon footprint.

Entitled to incentive

Other, please specify (Operations Group)

Type of incentive

Monetary reward

Incentive(s)

Bonus - % of salary

Performance indicator(s)

Reduction in emissions intensity
Energy efficiency improvement

Incentive plan(s) this incentive is linked to

Both Short-Term and Long-Term Incentive Plan

Further details of incentive(s)

Allegro’s plant facilities, environmental health and safety (EHS) and security management teams are eligible for monetary awards for achieving EHS and sustainability objectives, such as reducing emissions and electricity consumption (normalized based on revenue) and improving wastewater management. The primary incentive provided for achieving set targets is monetary, as part of our AIP.

Explain how this incentive contributes to the implementation of your organization’s climate commitments and/or climate transition plan

Incentivizing our teams to reduce emissions (normalized based on revenue) and electricity consumption and continuing to improve wastewater management help to reduce our overall environmental footprint.

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?

Yes

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

	From (years)	To (years)	Comment
Short-term	0	3	
Medium-term	4	6	
Long-term	7	15	

C2.1b

(C2.1b) How does your organization define substantive financial or strategic impact on your business?

We currently define substantive financial or strategic impact when identifying or assessing climate-related risks and opportunities based on a set of variables. Substantial impact is set relative to which internal organization is affected. Overall, significant risks are escalated to management when more than 5% revenue decline is forecasted, or an operational expense increase of the same amount is projected.

For facility-based analysis, substantial impact is established and heavily evaluated when 10-15% of the employee population is affected, as this could result in a reduction of employee availability and mental well-being. Anticipated shifts like this could create opportunities for productivity declines or issues with product availability and meeting market demands.

Product-line impacts work similarly, where substantial impact is defined by a 5-10% change in projected revenue or market demand. These indicators, however, are fluid and adjusted with the strategic objectives set by our management team at the beginning of each fiscal year.

With respect to identifying substantive financial or strategic impacts on our business, our Business Continuity Plan (BCP) uses a ranked and risk-based priority weighting model that evaluates different loss scenarios and corresponding likelihood (probability), consequence (severity), and control to the overall business operations. As part of the BCP, Allegro has prepared a Business Interruption Recovery Plan (BIRP) for our facility in the Philippines based on this model.

A risk priority number (RPN), which is a numeric assessment of risk, is one output of this analysis that ranks potential impacts / scenarios and the effects on continuity of supply and financial impact. This helps to guide the management team on prevention, mitigation, and planning activities. Risk identification, assessment, and management processes are aligned to IATF 16949, ISO 45K, ISO 14K, and partly to ISO 22K methodologies.

C2.2

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Value chain stage(s) covered

Direct operations
Upstream

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

Annually

Time horizon(s) covered

Short-term
Medium-term

Description of process

Climate change and its impact is integrated into Allegro's multi-disciplinary company-wide risk identification, assessment, and management processes. Climate risk is taken into consideration under the BCP. As part of the BCP, we use both the BIRP and the Environmental Health & Safety Management System's (EHSMS) risk assessments to determine the climate change risk and impact on the business.

We consider the EHSMS risk and its opportunity, the needs and expectation of interested parties, and hazard and risk assessment and control, among other factors. Our teams are regularly looking into transitional risks and opportunities to ensure our business continuity is in order.

Value chain stage(s) covered

Direct operations
Upstream
Downstream

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

Annually

Time horizon(s) covered

Short-term
Medium-term
Long-term

Description of process

We conduct environmental impact assessments and risk engineering assessments, which cover the potential effects of severe weather and climate change to our operations. Environmental Health and Safety (EHS)-related risks, including climate change risks, are identified and assessed against potential impact on (1) Human, (2) Legal, (3) Reputation, (4) Financial, (5) Business Operation and Associated Assets, (6) Environment and (7) Technology/Security.

Impacts of both natural and man-made disasters are taken into consideration during the risk assessment, including impacts on business operations due to atmospheric phenomena such as typhoons, strong winds, flooding, storm surges, and more. These are considered at both the corporate and site levels. Business interruptions, including those that are potentially caused by climate change, are assessed and evaluated, and corresponding contingencies and mitigation steps are defined in the BIRP.

(C2.2a) Which risk types are considered in your organization's climate-related risk assessments?

	Relevance & Inclusion	Please explain
Current regulation	Relevant, always included	<p>As part of our environmental management system, and to meet ISO14001 requirements, we always include regulatory risks. A few examples include Philippine wastewater treatment programs and environmental compliance regulations related to part composition. The regulations we comply with include, but are not limited to, Restriction of Hazardous Substances (RoHS) Directive, Restriction of Chemicals (REACH), China Volatile Organic Compounds (VOC), Perfluorooctanoic Acid (PFOA)/Perfluorooctane Sulfonic Acid (PFOS), Perfluoroalkyl Carboxylic Acid (PFCA), CMRT, EMRT, Toxic Substances Control Act (TSCA) and End-of-Life Vehicle (ELV).</p> <p>Failure to achieve regulatory compliance is not acceptable per our corporate business standards, as doing so would warrant exorbitant fines as well as a loss of critical operations. We strive to exceed local regulations by creating corporate standards based upon the most stringent requirements of each area.</p> <p>Climate-related risks that are deemed material to the Company under U.S. federal securities laws are also evaluated and reported in our periodic reporting that we file with the U.S. Securities and Exchange Commission. Our annual report on Form 10-K for the fiscal year ended March 31, 2023 included, among other climate-related risks, a risk factor related to climate change.</p>
Emerging regulation	Relevant, always included	<p>In efforts to stay on top of emerging regulations, we have joined various trade organizations, including the Electronics Components Industry Association (ECIA), Semiconductor Industry Association (SIA), World Semiconductor Council (WSC), Responsible Business Alliance (RBA) and Power Sources Manufacturers Association (PSMA). As a member of the SIA, we refer to the activities, findings, and recommendations of the WSC's Environment, Safety, and Health Committee to assist in our risk assessment of emerging regulations on a global scale. As a member of the Responsible Mineral Initiative, we support the responsible sourcing of tin, tantalum, tungsten, and gold and are monitoring the potential regulation of cobalt.</p> <p>While the landscape of worldwide hazardous materials regulations and supplier compliance awareness is everchanging, our Product Compliance team's diligence and dedication to maintaining hazardous materials compliance supports our endeavor to protect our environment and the planet. This team monitors worldwide regulations and directives to ensure the Company's compliance and, as part of our due diligence process, obtains objective evidence that we are meeting relevant requirements. As new regulations and directives are introduced, we continue to evolve and improve our compliance programs to meet or exceed these standards</p> <p>We have high levels of engagement with our customers and partners throughout the value chain, and their inquiries (along with those we pose to them) often drive emphasis on our reporting efforts regarding regulatory changes and environmental trends. We acknowledge that our responsiveness to changes is critical. As strong stewards of the environment, we recognize that risks related to emerging regulations need to be monitored and included in our assessments and action plans as needed.</p>
Technology	Relevant, always included	<p>The Company assesses risks associated with innovative technologies that support the transition to a lower-carbon, energy-efficient economic system, as the use of emerging technologies will impact our organizations competitiveness. Failure to advance semiconductor technologies might contribute to reduced demand for our products.</p> <p>A significant portion of our annual revenue is generated by sales to the automotive end markets, and we position our product portfolio to enable hybrid electric vehicles (HEV), electric vehicles (EV) and advanced driver assistance systems (ADAS) applications. These innovations translate to increased driving range for an electric vehicle, smaller and more reliable power conversion systems, improved safety and efficiency of motor and power management systems, and safer and more reliable autonomous driving through long-range object detection. In the industrial market, these technologies enable the automation at the heart of the industrial transformation commonly referred to as "Industry 4.0." These innovations also improve reliability to avoid factory downtime, accurately measure current to support increased energy efficiency for high-density data centers and clean energy applications, and reduce the solution footprint to lower total system cost.</p> <p>Our research and development investment strategy prioritizes directing our internal investment resources toward high-value, high-growth opportunities where we believe we can apply our competitive strengths to establish a leading position and defend that position over successive product generations. Once per quarter, we review all current-production products, and work to properly phase out older technologies and replace them with energy-efficient solutions. These efforts are led by the Company's executive leadership team through a multiyear strategy, including (but not limited to) our Chief Technology Officer, SVP of Products, SVP of Operations & Quality, VP of Technology Development, and many Business Unit Directors.</p> <p>Focusing on safety and sustainability, our vision is to move technology—and the world—toward a safer and more sustainable future. We are a founding member of the US Technical Advisory Group for ISO 26262. As a leader since the beginning, we have been driving safety standards for the automotive industry and beyond. We are also looking out for the environment—we are compliant with ISO 9001, IATF 16949, ISO 14001, ISO26262, OHSAS18001, RoHS, and REACH, among other standards.</p>
Legal	Relevant, always included	<p>Allegro regularly assesses legal risk that may result from non-conformance/non-compliance to both existing and changing environmental standards, applicable to where it conducts business. Both internal and external legal resources are available, as needed, to assist with compliance concerns and to advise the Company as to regulatory changes. To stay abreast of emerging or changing regulatory requirements, Allegro's in-house legal counsel regularly monitors publications from its largest outside legal firms, environmental protection groups and local regulatory agencies.</p> <p>Allegro is dedicated to a pro-active approach to these potential risks, which includes a quarterly generated energy consumption report provided to certain majority shareholders and an annual evaluation of changes in energy and water consumption by our sole manufacturing site in the Philippines. Our Legal team may also become involved in any new regulations or permit modifications, which are also assessed in a risk format.</p> <p>Allegro's ESG team sits within the Legal department who monitor ESG related risks.</p>
Market	Relevant, always included	<p>The semiconductor market is extremely competitive, and we believe that by effectively navigating technology transitions, maintaining close customer relationships, and anticipating market trends, we will continue to have a leadership position in the automotive market and continue to gain share in our targeted industrial markets, including factory automation, data center and clean energy. Failure to respond to evolving market trends focused on climate change, sustainability, and social responsibility would have a negative impact on our business, financial condition, and results of operations. We have established international sales offices / innovation centers around the world that monitor innovations on a global scale and work closely with our customers to align our product portfolio with the ongoing shift in demand for safer, energy efficient and environmentally friendly solutions.</p>
Reputation	Relevant, always included	<p>As concerns for climate change continue to grow globally, we realize the increased expectations from our stakeholders to address climate concerns and to contribute to a lower-carbon economy. As a result of these expectations, in FY23 we hired two full-time, dedicated ESG employees, consisting of an ESG Manager and a Senior Director, ESG. This team is responsible for overseeing ESG initiatives relative to climate concerns and our contribution to a lower carbon economy. Allegro's Senior Vice President, General Counsel and Corporate Secretary is the executive sponsor of ESG and manages this team. We evaluate the reputational risk of failing to take measures to minimize our impact on the environment and mitigate the negative effects of climate change. Failure to meet these expectations and nurture our sustainability initiatives may negatively affect our reputation and could adversely affect our business, and our ability to attract and retain customers, employees, and investors. Our customers and suppliers routinely send us questionnaires and requests for information related to our climate policies and practices in order to assess our climate profile and reputation. If we do not meet the standards that these stakeholders expect from their business partners, they could reduce or discontinue doing business with us and our results of operations and financial condition could be negatively affected. Conversely, if our reputation in this area meets or exceeds expectations, leading to increased sales or preferred status, we could see a benefit to our business.</p> <p>Our ESG Steering Committee is responsible for establishing specific goals and targets to reduce our environmental impact. As part of this process Allegro has undergone an independent third-party verification of its FY18 & FY23 Scope 1 and 2 emissions. In FY23 Allegro established an initial Scope 1 and 2 emissions reduction target of 50% by FY30 with a baseline year of FY18 (normalized based on revenue). Our executive leadership team has oversight of our corporate reputation and regularly discusses.</p>
Acute physical	Relevant, always included	<p>Acute physical risks are assessed regularly as part of our health and safety program, and annually in our BIRP. We document identified risks and implement mitigation measures where feasible. These risks are regularly monitored, and preventative methods are aligned with the latest regulatory standards and recommendations, at a minimum.</p> <p>Global trends and potential hazards, such as reoccurring or devastating floods, hurricanes and typhoons, are monitored annually for trends and needed modifications for planning efforts.</p> <p>See section C2.3a for more detail on our BCP and BIRP.</p>
Chronic physical	Relevant, sometimes included	<p>When applicable, and as identified through regulatory guidance on long term exposure, we consider risks to internal (operator) and external (community) people. This monitoring is most visible when substantial changes are imminent or expected within the short-to-near term. On occasion, long-term chronic physical concerns are identified and are acted upon by a multi-disciplinary group of managers at the potentially affected site(s).</p> <p>Longstanding changes, such as dramatic weather patterns, are addressed as they arise, as we acknowledge the severe impact and pressure that could be put on critical building management systems (e.g., HVAC, energy consumption).</p>

C2.3

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.3a

(C2.3a) Provide details of risks identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Risk 1

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Acute physical	Cyclone, hurricane, typhoon
----------------	-----------------------------

Primary potential financial impact

Decreased revenues due to reduced production capacity

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Our subsidiary, Allegro MicroSystems Philippines' ("AMPI") facility is located in an area known as the "ring of fire." As evidenced by recent natural events, it is reasonable to anticipate the possibility of earthquakes and typhoon dangers impacting operations at our location there.

As part of our contingency plan, this location conducts annual disaster scenario drills to prepare for situations that may arise from severe weather events.

This risk is offset by our Business Continuity Plan (BCP). We have developed and maintain a BCP which addresses major risks to our business continuity and customer commitments as required by International Automotive Task Force 16949 (section 6.1.2.3). Our BCP was developed by a leadership-sponsored cross-functional team that identified events, risks, mitigations, and backup plans. Elements considered include:

- Utilities/Facilities
- Process Materials
- Labor
- Engineering and Process Information
- Computer/Software
- Wafer Foundries
- Subcontract Assembly

A risk-rating system was defined based on severity, occurrence, and control. The BCP is reviewed periodically and updated based on lessons learned from simulations and real-life events. The BCP is maintained as a policy in our document control system. With our BCP in place, we were able to have zero downtime through the COVID pandemic despite challenges in the semiconductor supply chain. The Business Continuity Framework is composed of four major elements as depicted below.

- Business Interruption Recovery Plan (BIRP)
- Emergency Command Center, Emergency Hotline
- Emergency Response Teams
- Emergency Operations Center, Crisis Management Team

The BIRP is designed to minimize natural disaster threats and ensure manufacturing or operations can be conducted or resumed at one of AMPI's four different buildings so damage in one building could be kept separate from another.

In addition, Allegro outsources some manufacturing activities that allows for some flexibility in the event a climate disaster were to affect AMPI.

Time horizon

Unknown

Likelihood

About as likely as not

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

1350000

Potential financial impact figure – maximum (currency)

2700000

Explanation of financial impact figure

As a rough estimate of the financial impact of a scenario in which we had to cease operations at our Philippines location, we could stand to lose approximately \$1.35 million USD per day up to \$2.7 million USD per day. The information being provided herein is to the best of Allegro's knowledge based on available information and estimations at this point in time.

Cost of response to risk

100000

Description of response and explanation of cost calculation

The AMPI location is comprised of four different buildings, so damage in one building could potentially be kept separate from another. Our buildings are built to withstand earthquakes, and certain precautions are taken based on safety reviews we have done with customers and partners from other earthquake-prone regions (Japan, for example). We have had geologists review our risk in the past. There are faults in the area, however AMPI is not immediately located on a fault. We've outfitted AMPI with adequate generators to power the entire facility with all processes running in the event of a local power loss. We have also equipped this facility with pumps and hoses to remove water in flooded areas, and we have developed a flood mitigation plan that includes the use of sandbags and plugging of drain lines to prevent water from rising into the facility from underground.

Additionally, AMPI regularly conducts scenario drills to enhance preparation for these types of events. AMPI recently completed typhoon and earthquake disaster scenarios to prepare for such occurrences. The financial impact is based on revenue estimates streamlined equally for the FY23 year. Assumptions include a complete production shut down, with one operating day defined as a full 24-hour period.

Running of generators would result in needing fossil fuels to operate them. The periodic maintenance of these generators to keep them ready to be deployed in such a scenario is costly. The supplies and training needs required to conduct disaster scenario drills also factors into this cost of response.

Comment**Identifier**

Risk 2

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Chronic physical	Sea level rise
------------------	----------------

Primary potential financial impact

Decreased revenues due to reduced production capacity

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Rising sea levels have the potential to impact some of our suppliers in coastal areas, affecting the ability for some suppliers to deliver needed materials. If this were to occur and supply of material decreased, our manufacturing output could also decrease. This productivity hit would lower available production capacity and inventory, potentially resulting in reduced revenue and inability to fulfill anticipated demand. If production suppliers, such as outsourced wafer fabrication companies, were to be shut down or delayed by the rising sea levels, our production houses would be directly affected.

Acknowledging these risks and addressing this business continuity concern, we have attempted to mitigate them by dual- and tri-sourcing our suppliers in order to remain more dynamic and less dependent on any single supplier or option.

This risk is offset by our Business Continuity Plan (BCP). We have developed and maintain a BCP which addresses major risks to our business continuity and customer commitments as required by International Automotive Task Force 16949 (section 6.1.2.3). Our BCP was developed by a leadership-sponsored cross-functional team that identified events, risks, mitigations, and backup plans. Elements considered include:

- Utilities/Facilities
- Process Materials
- Labor
- Engineering and Process Information
- Computer/Software
- Wafer Foundries
- Subcontract Assembly

A risk-rating system was defined based on severity, occurrence, and control. The BCP is reviewed periodically and updated based on lessons learned from simulations and real-life events. The BCP is maintained as a policy in our document control system. With our BCP in place, we were able to have zero downtime through the COVID pandemic despite challenges in the semiconductor supply chain. The Business Continuity Framework is composed of four major elements as depicted below.

- Business Interruption Recovery Plan (BIRP)
- Emergency Command Center, Emergency Hotline
- Emergency Response Teams
- Emergency Operations Center, Crisis Management Team

The BIRP is designed to minimize the threat and to ensure manufacturing or operations can be conducted or resumed at other locations.

Time horizon

Long-term

Likelihood

About as likely as not

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

A financial impact figure has not yet been confirmed due to the diverse set of supplies needed across our production lines and direct operations. The complicated nature of our supply chain, along with the production-specific delays the risk may present, does not easily allow for a defined financial range. A figure would depend on which item(s) are unavailable or obtainable, the time horizon related to these events, and in which production process the item(s) are needed for continuation.

Cost of response to risk**Description of response and explanation of cost calculation**

We have attempted to mitigate this risk by dual- and tri-sourcing our suppliers to remain more dynamic and less dependent on one supplier. A calculation of cost is difficult to obtain as it is intertwined with the responsibilities of many members of our supply chain and purchasing teams, as well as being a constant effort for more than five years.

Comment**Identifier**

Risk 3

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Reputation	Shifts in consumer preferences
------------	--------------------------------

Primary potential financial impact

Decreased revenues due to reduced demand for products and services

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

As we continue to strive to develop intelligent solutions that move the world toward a safer and more sustainable future, it's imperative to be able to adapt to market changes and consumer preferences. The risk to our business is missing the mark on evolving customer demand to new and emerging technologies, while competitors may adjust swiftly in this market. This would adversely affect our reputation and lead to decreased revenues due to reduced demand for our products and services.

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

9737000

Potential financial impact figure – maximum (currency)

29211000

Explanation of financial impact figure

We estimate the potential reputational risk of failing to meet the expectations from our customers and the market for more sustainable focused offerings, would have a maximum impact of approximately \$29.2 million USD, accounting for approximately 1-3% of total FY23 revenues.

Cost of response to risk

0

Description of response and explanation of cost calculation

The response is based on the projected market reputational risk leveraging data from our FY23 revenue, in conjunction with potential market impact. Explanation of cost calculation; potential financial impact figure - minimum = \$973,000,000 * 1% = \$9,737,000, the potential financial impact figure - maximum = \$973,000,000 * 3% = \$29,211,000.

Comment**Identifier**

Risk 4

Where in the value chain does the risk driver occur?

Downstream

Risk type & Primary climate-related risk driver

Emerging regulation	Mandates on and regulation of existing products and services
---------------------	--

Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Regulations and various ESG standards across geographies are evolving continuously in order to achieve climate goals. As a result of these regulations and mandates, operation of our facilities and the subsequent manufacturing of our semiconductor products could be impacted. Emerging regulation is therefore a relevant climate-related risk that could impact our manufacturing capabilities and could potentially result in higher operational costs due to potentially more stringent compliance, reporting, pollution-control, and/or alternative energy requirements. Non-compliance with these potential regulations could result in regulatory fines and legal liabilities.

Time horizon

Long-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

18600

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

The financial impact associated with potential emerging regulations restricting GHG emissions could result in potential capital expenditures to seek alternative sources of energy, increase our pollution abatement systems, or complete additional energy efficiency projects. Our capital expenditures related to emissions reduction projects in FY23 were \$930,000. New regulations or requirements could impact our energy costs or our capital expenditures. If we assume a potential increase in energy costs and capital expenditures of 2%, we can expect an increase of \$18,600 ($\$930,000 * 0.02$). Note that this increase is not based on a modelling of any specific scenario.

Cost of response to risk

Description of response and explanation of cost calculation

The cost of response is based on investments made in emissions reduction activities globally for FY23. Our AMPI location has implemented and plans to implement several sustainability initiatives aimed at further reducing the emissions generated during our operations. The emissions generated at our manufacturing site in the Philippines and headquarters, design center, sales office, and laboratory locations in the U.S. represent over 90% of our total emissions, which means sustainability programs that are successfully piloted at AMPI have significant potential to contribute to reducing our total emissions. In FY23, we completed two solar array installation projects on the rooftops of buildings at our AMPI facility, providing a source of renewable energy that is capable of generating enough power for all of Building 2's lighting, Building 3's roof deck lights, and Buildings 2's and 3's exhaust fans as well as a few ceiling-mounted air conditioners. Additionally, in FY22, we completed installation of a water-cooled chiller that has resulted in emissions reduction. We have invested \$930,000 in FY23 towards emissions reduction projects.

Comment

C2.4

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.4a

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Opp1

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Development and/or expansion of low emission goods and services

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

Allegro sensors and power ICs play a vital role in electrification and power conversion, storage, and distribution for automotive vehicles and residential and commercial energy generation and consumption. We design and develop the semiconductor technologies that create these electrification and power capabilities. In alignment with our ESG strategy, our technologies and their capabilities also enable more efficient development of renewable energy sources and energy conversion methods. Our products will continue to have a significant impact on the reduction of emissions and greenhouse gases (GHG) in these industries:

- Automotive: We possess a long track record of innovations that have dramatically improved the energy efficiency of powertrain, safety, and comfort systems. Our innovative technologies have led to an estimated 3.6 million tons* of avoided emissions, a number that is expected to continue to grow alongside projected growth in the EV market.

- Industrial: Allegro products enable intelligent motion for industrial applications to deliver increased efficiencies, enhance safety, and lengthen product lifespans. Our technologies power factory automation, reduce factory downtime by increasing asset reliability, and reduce overall solution footprints that lower total system costs. They support increased energy efficiency for high-intensity data centers and clean energy applications by accurately measuring currents.

- Clean Energy: With our high-performance power and sensing solutions, we're leading the evolution toward an electricity-powered, more sustainable economy. From solar energy systems and power supplies to EV charging and energy infrastructures, our advancements in electrification, sustainability, and connectivity enable more efficient technologies that can address today's demands positioning our customers for future success.

- Consumer: Allegro solutions enable reliable and efficient power management, backlight display control, motor control, and position and current sensing in consumer devices, from gaming consoles and smart appliances to robotic vacuums and HVACs.

*Estimated avoided emissions based on vehicles sold with Allegro products and following sources: U.S DOE Alternative Fuels Data Center: Emissions from Electric Vehicles (energy.gov), Electric steering turns on the power | Automotive News Europe (autonews.com), and market data provided by Strategy Analytics Powered by TechInsights.

Time horizon

Long-term

Likelihood

Virtually certain

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

0

Potential financial impact figure – maximum (currency)

477000000

Explanation of financial impact figure

49% of our FY23 sales were in our strategic focus areas of e-mobility and industrial, which are low emission goods and services.

Cost to realize opportunity

14090000

Strategy to realize opportunity and explanation of cost calculation

Through close customer collaboration we find opportunities to expand our goods into new markets to augment our product roadmaps. We anticipate that we will continue to make research and development investments in order to expand our markets with innovative, high-quality products and services (as exemplified through our acquisition of our High Voltage Power (f/k/a Heyday) subsidiary). We have estimated the cost to realize this additional opportunity at about 10% of our current research and development (R&D) spend of \$140.9 million non-GAAP. Non-GAAP refers to a financial measure that has not been prepared in accordance with generally accepted accounting principles, or GAAP. For an explanation of this measure, including a reconciliation to the closest GAAP measure, please see our press release dated May 10, 2023, which is available on the investors section of our website.

In addition, our board of directors has a standing R&D and Strategy Committee, whose purpose is to provide guidance to management on various technological choices and research and development priorities to assist in implementing our strategic direction.

Comment

*Estimated avoided emissions based on vehicles sold with Allegro products and Department of Energy data for emissions produced/reduced. Sources included: U.S Department of Energy Alternative Fuels Data Center: Emissions from Electric Vehicles (energy.gov), Electric steering turns on the power | Automotive News Europe (autonews.com), and market data provided by Strategy Analytics Powered by TechInsights.

Identifier

Opp2

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Development of new products or services through R&D and innovation

Primary potential financial impact

Increased revenues through access to new and emerging markets

Company-specific description

Limited fossil fuel supplies and the environmental threat from greenhouse gas (GHG) emissions increase global demand for high efficiency, clean energy technologies. In addition, there are growing regional, national, and international policies and increasing pressure to improve fuel efficiency and to develop clean energy engines. As a result, we realize an opportunity to have a strong focus on R&D innovation to serve high growth markets in electrified vehicles, clean energy, electrified vehicles charging infrastructure, industrial automation, and highly efficient data center cooling.

Time horizon

Medium-term

Likelihood

Virtually certain

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

194600000

Potential financial impact figure – maximum (currency)

389200000

Explanation of financial impact figure

We believe our innovations offer unique, highly integrated and highly-efficient solutions for our customers. These innovations have dramatically improved the energy efficiency of powertrain, safety, and comfort systems. For example, the electrification of the powertrain leads to reduced carbon emissions and the market opportunity in electrification is significant. As we continue to invest in differentiated solutions for e-Mobility applications, coupled with our momentum with customers, we believe we will outpace the market growth. The potential financial impact figure - minimum is 20% of FY23 revenue, and the potential financial impact figure - maximum is 40% of our FY23 revenue.

Cost to realize opportunity

94000000

Strategy to realize opportunity and explanation of cost calculation

As part of our strategic transformation over the last 3-4 years, we have aligned the majority of our R&D pipeline to serve our strategic focus markets, which includes electrified vehicles, clean energy, ADAS, Industry 4.0 and highly-efficient data center cooling. The cost of \$94 million is calculated as roughly two-thirds of our R&D spend in FY23. Additionally, our sales and marketing teams are incentivized to pursue and win opportunities in these spaces via their annual incentive plans. Finally, our executive compensation plans also include a metric related to revenue growth targets for these strategic focus markets.

Comment**Identifier**

Opp3

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Reduced water usage and consumption

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

Allegro is always looking for opportunities to innovate and to minimize our environmental impact. This includes exploring ways to maximize efficiency in our use of water. In FY23, the unused reclaimed water intended for toilet flushing was also piped back for spindle cooling. This not only maximized the use of our reclaimed water, but also reduced freshwater intake for spindle cooling. Our AMPI location reclaimed a total of approximately 1.685 million gallons of water in FY23.

AMPI has also successfully implemented water savings and hazardous waste reduction procedures in its plating operations. This project, named the Pre-Plating and Post Plating Chemical Bath Life Extension, aims to reduce AMPI's ecological footprint while improving process performance and resource management. The initiative has conserved approximately 18,000 gallons of water and avoided approximately 110,000 kilograms of organic acid waste per year since its implementation. We are planning to install a rainwater harvesting system for use in non-potable purposes such as toilet flushing, irrigation, and cooling towers as part of the completion of a new building onsite in FY24 and FY25.

Allegro continues to prioritize initiatives to reduce water use and increase the purity of the runoff and wastewater we send for recycling. In FY20, we installed a system to pre-treat parking lot and roof runoff for irrigation use at our headquarters in New Hampshire. Two underground biomass chambers filter this water before it is absorbed into the ground and/or discharged to a settling pond. Historically, for the Company's headquarters in Manchester, NH, irrigation has accounted for 50% or more of the total water usage during the five month irrigation season (May-September). In FY23, during the irrigation season we averaged 75,000 gallons/month representing an overall water use reduction of over one million gallons.

In FY24, AMPI expects to add approximately 300,000-gallons worth of savings from its planned deionized reject water reclamation project, which can serve as a cleaner, alternative source of makeup water for the facility's cooling tower and additional toilets. Both reclamation systems will be integrated, and excess water can be further used for toilets on the ground floor. We've already completed construction of the water tanks, 10,000-liter stainless steel storage tanks, piping and the motor system.

Time horizon

Short-term

Likelihood

More likely than not

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

1860746

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

The total water saved from the wafer saw operation is approximately 6,377.75 cubic meters, 6,377.75 cubic meters * Php 110.83/m3 = Php 706,845 = USD \$12,994. The FX rate for week ending July 21, 2023: 1 USD: Php 54.40.

The Pre-Plating and Post Plating Chemical Bath Life Extension project, is based on chemical, DI water, and hazardous waste savings. Chemicals saved include the actronal 550 salt, solderon acid, and sodium triphosphate (neutralizer) totaling approximately Php 1,016,000. The total water saved is approximately 70,000 liters (70,000 * Php 2.63/liter = Php 187,000) from the pre-plating and post-plating chemical bath life extension project. The savings from the hazardous waste reduction is approximately Php 1,093,000. The FX rate for week ending July 21, 2023: 1 USD: Php 54.40. Total savings is approximately Php 2,295,000/54.40 = approximately \$42,200.

The total savings from the irrigation project = 1,069,640 gallons * \$1.688 (Manchester, NH water rate) = \$1,805,552.

Total savings= \$1,860,746

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Our corporate-wide strategy is available above in the "Company-specific description." To further support water-related efforts, Allegro supports International Coastal Cleanup (ICC), which was established by the Ocean Conservancy, an organization that works to help protect the ocean from the challenges it faces every year. Now for its third time, AMPI participated in the ICC with this reporting year's theme "Trash Free Seas" held on September 17, 2022. There were seventy-three (73) AMPI volunteers at the Las Pinas Paranaque Critical Habitat and Ecotourism Area (LPPCHEA). Our team was assigned to trash segregation such as plastic bottles, glass bottles, single-use plastic, styrofoam, rubber, organic waste & other types of wastes/debris at the Freedom Island, Las Pinas Paranaque Wetland Park (LPPWP). The volunteers take an active role in the preservation and cleaning up of the ocean with a total of 100 sacks of garbage collected.

Comment

C3. Business Strategy

C3.1

(C3.1) Does your organization's strategy include a climate transition plan that aligns with a 1.5°C world?

Row 1

Climate transition plan

No, but our strategy has been influenced by climate-related risks and opportunities, and we are developing a climate transition plan within two years

Publicly available climate transition plan

<Not Applicable>

Mechanism by which feedback is collected from shareholders on your climate transition plan

<Not Applicable>

Description of feedback mechanism

<Not Applicable>

Frequency of feedback collection

<Not Applicable>

Attach any relevant documents which detail your climate transition plan (optional)

<Not Applicable>

Explain why your organization does not have a climate transition plan that aligns with a 1.5°C world and any plans to develop one in the future

Beginning in FY23, the ESG Steering Committee identified and advanced our key ESG strategic initiatives and started to develop a multi-year emission reduction plan. We intend to advance our climate strategy, including ambitions to lower our carbon footprint and to invest in clean technologies. We acknowledge that climate change is a global problem that requires action and effort from all of us around the world. We will provide stakeholders with periodic updates on our sustainability agenda via our website, in stockholder communications such as our proxy materials, and in an inaugural ESG report.

Explain why climate-related risks and opportunities have not influenced your strategy

<Not Applicable>

C3.2

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?

	Use of climate-related scenario analysis to inform strategy	Primary reason why your organization does not use climate-related scenario analysis to inform its strategy	Explain why your organization does not use climate-related scenario analysis to inform its strategy and any plans to use it in the future
Row 1	Yes, qualitative	<Not Applicable>	<Not Applicable>

C3.2a

(C3.2a) Provide details of your organization’s use of climate-related scenario analysis.

Climate-related scenario		Scenario analysis coverage	Temperature alignment of scenario	Parameters, assumptions, analytical choices
Physical climate scenarios	Bespoke physical scenario	Facility	Unknown	<p>In the reporting period we have not reported in line with a specific transition scenario and plan to within the next two years. At this time, we use a self-designed scenario analysis while the team evaluates potential new standards that can be observed on an international scale.</p> <p>Climate change and its impact is integrated into multi-disciplinary company-wide risk identification, assessment, and management processes. We have identified a few critical climate-related scenarios that could impact business operations through various models and NGO publications, and we have developed preventive and contingency actions. Two examples of vital climate-related situations are drought and flooding.</p> <p>If a severe weather event or other natural disaster were to disrupt our water supply, we have installed an in-house deep well water plant and water treatment system and have worked with local authorities to provide additional water for our manufacturing site via a local reservoir. Insufficient water supply for operations, including HVAC systems and compressed air systems that supply production, would be problematic for production.</p> <p>To reduce the risk of flooding, our manufacturing site is located outside a defined flood zone. We also review other natural hazards, such as windstorms, lightning, earthquakes, and even volcanic activity, depending on the physical location and likelihood of occurrence. We perform annual simulations for higher risk climate-induced risks such as flooding and earthquakes, and evaluate whether any modifications or strategic movements are needed.</p>

C3.2b

(C3.2b) Provide details of the focal questions your organization seeks to address by using climate-related scenario analysis, and summarize the results with respect to these questions.

Row 1

Focal questions

The focal question that provided direction to our organization's physical climate-related scenario analysis is, "How could climate-related physical risks plausibly affect our manufacturing facility and our manufacturing supply chain, and how can we reduce this risk?"

Results of the climate-related scenario analysis with respect to the focal questions

Our climate-related scenario analysis provided a physical risk that could impact our business operations at our sole manufacturing facility located in the Philippines with respect to severe typhoons causing flooding. This analysis drove the following decisions to mitigate this risk:

- a) Installed an in-house deep well water plant;
- b) Installed 100% internal generator capacity in the event of power loss;
- c) Built on-site accommodations to house our employees for several days in the event they can't travel in such severe weather;
- d) Qualified sub-contractors who are able to support a portion of our internal operations for redundancy, if necessary;
- e) Sited and verified that our manufacturing location is located outside a defined flood zone.

C3.3

(C3.3) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	<p>Our vision is to move technology and the world toward a safer and sustainable future. Our advanced roadmap of solutions enables significant energy efficiency savings to our customers. We continually evaluate opportunities to expand our products into adjacent markets and applications where our energy efficiency technology and solutions will be valued.</p> <p>Aligning with the growth of demand for energy-efficient applications and low-emission products in the market, we are strategically designing new devices that will help aid customers in achieving these goals.</p> <p>Within automotive, we are now laser-focused on making e-mobility a reality. Within industrials, we are focused on targeted markets like clean energy and industrial automation that are being disrupted by the same mega trends. Our technical expertise and product portfolio in sensing and power ICs is uniquely positioned to intersect these mega trends, and now we are aligning our entire business system to our strategies.</p> <p>Over 75% of our R&D investment is now focused in these areas. Our teams are incentivized for success in these areas, and we are seeing proof that our strategy is working. Design wins in these areas are up 114% year-over-year and represent over 70% of our total design wins.</p> <p>Electric vehicles and the adoption of ADAS features has reached a tipping point. Beyond the growing sales of electric vehicles, OEMs are investing significantly into electrifying their fleet as a result of increasing regulation, decreasing costs, especially on the battery systems and improving infrastructure, namely electric vehicle charging stations. This means that EVs are now projected to grow at over 25% CAGR* and e-mobility as a total market represents a \$4 billion opportunity for Allegro. E-mobility sales now are 43% of our automotive sales.</p> <p>We are also focused on solar, wind, and EV charging stations where the power conversion challenges are identical to the ones we solve on electric vehicles. In data centers, we are focused on thermal efficiency with our fan drivers for server cooling. This market is growing rapidly, and the content opportunity for us is significant.</p> <p>*CAGR is calculated using third-party data and internal estimated for FY23-FY28.</p>
Supply chain and/or value chain	Yes	<p>We have identified opportunities to reduce greenhouse gas emissions through the relocation of probe activities to the same region as the assembly locations, as well as being in the same region as one of the wafer foundries. This significantly reduces the transportation impact and associated emissions while also reducing transportation cost and creating the opportunity for reduced manufacturing cycle times. These energies and efforts are currently underway and will continue within the medium term.</p>
Investment in R&D	Yes	<p>In FY23, we continued to invest heavily in new R&D technologies and expanded our global footprint of R&D by collaborating globally. 75% of R&D investment is focused on e-Mobility, clean energy and automation, and 43% of our auto revenue was from e-Mobility. We are taking strategic steps to align with the growth of these related markets, acknowledging and addressing the impact on product lines as well as facilities. Examples include new die technologies and innovative packaging designs, which will position the company for future success now and in the long term. Both of our product franchises, magnetic sensing and power ICs, are used in applications that are focused on a more sustainable future. For instance, you can find our current sensors alongside motor drivers in electric vehicles (EV), solar farms, or EV charging stations.</p> <p>In addition to addressing the changing needs within the automotive industry, we are committed to a significant investment in R&D to support data center and communications infrastructure as well smart factories and energy efficiency applications. Exponential growth of internet traffic, proliferation of connected devices, and global demand for cloud computing services has driven rapid expansion in data center and communications infrastructure spending.</p> <p>As data center infrastructure expansion continues, there is an increased need for advanced cooling and efficient power delivery technologies. This in turn has led to a growing demand for energy management technologies that reduce cooling costs and improve operational efficiency. We spin motors faster, creating better thermal efficiency which equals less power required to cool data centers. Our solutions are uniquely suited for higher voltage operation, and therefore, we believe our motor driver and current sensor ICs will gain market share in applications like data centers as they convert to 48-volt operating voltages.</p> <p>The advent of Industry 4.0 is increasing demand for renewable energy, and the adoption of clean technologies represents additional meaningful growth opportunities. We believe we can leverage our technology leadership in solutions optimized for high-temperature, high-voltage, high-reliability conditions to expand our presence in these markets, justifying a significant investment for R&D in this area.</p>
Operations	Yes	<p>We have invested in recent years to ensure that our operations and business can sustain the impact of environmental risks, based on the risk imposed on the changing world, environment and our contribution to how we impact the world around us. Our sole manufacturing facility located in the Philippines partners with world class third party suppliers in diverse locations including Malaysia, U.S., Taiwan, and China.</p> <p>These factories provide redundancies that allow Allegro products to be supported in multiple locations in case there is a regional climatic event. These risks are regularly reviewed by our executive management team and adjusted as needed as part of our Business Continuity Plan and Business Interruption Response Plan. We examine the risks imposed on the environment by our business operations.</p> <p>Newly established U.S. sites are selected to include modern buildings with smaller footprints, LED / efficient lighting, and the latest in HVAC equipment. Our latest international facility expansion in the Philippines includes the construction of a 9,000 square meter facility that can support future manufacturing expansion. Installed systems include state-of-the-art LED lighting, HVAC, and efficient backup generator systems in support of our environmental and business requirements. In FY23, our Philippines facility installed a total of 60 kW photovoltaic system on the rooftop of our manufacturing buildings, resulting in approximately 125,000 kWh reduction.</p> <p>Our manufacturing facility, R&D locations, and sales offices have active programs and initiatives such as low-flow water systems, paper and water recycling and EV charging stations. Additionally, in several locations, Allegro co-located data servers to co-location sites. This has led to multiple environmental benefits. Its greatest impact involves our rates of power consumption: the shared infrastructure enables us to make our power distribution more efficient, eradicating the need to inefficiently consume power for cooling and uninterrupted power supply (UPS) backups and radically decreasing our overall data center power consumption.</p> <p>Initiatives like those mentioned above are ongoing and will be further expanded in the years to come. These efforts reflect the market leadership that we present to our customers, community, and the environment.</p>

C3.4

(C3.4) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Revenues Direct costs Capital expenditures Assets	<p>Revenues: As part of Allegro's 3.0 business plan that launched in FY23, we have aligned the majority of our R&D pipeline to serve our strategic focus markets, which includes e-Mobility, Clean Energy and Automation. We recognize that the opportunities discussed above, among others, have affected all aspects of our business decision-making and our financial planning. Our revenue stream is dependent on the demand for our products.</p> <p>Our product line is driven by the demand for innovative, energy-efficient, and environmentally conscious features. We're constantly aligning to the needs of the automotive and industrial markets and will fail if unable to deliver on estimated CAGRs for these markets. Allegro management evaluates forecasts on a quarterly basis to ensure business continuity planning is accurate and business stability is achievable.</p> <p>Direct Costs: Facility energy and water costs are budgeted annually. During the budgeting period, process factors considered include past performance, improvement programs developed as a result of risk and opportunity analysis, and facility change plans. On a semi-annual basis, we plan for demand for the next three years and review our internal and external manufacturing capacity as part of our ability to plan for any disruptions and to target upside capabilities. As we continue to expand manufacturing capacity due to energy efficient applications that mitigate and make up for downtime losses and supply chain interruptions due to climate-related events.</p> <p>Capital Expenditures: When we initiate a project as a result of risk and opportunity analysis, we also consider implementation costs. Projects requiring capital expenditures then go through an approval process for the required spending. We target to have facility space and capacity to support additional manufacturing capacity to mitigate for potential supply chain disruptions including that from climate-related events. As an example, we have invested over \$20M in expanding our Philippines facility in the past five years and plan to invest in further expansion as well as increasing our third-party manufacturing partnerships over the next several years. We currently leverage relationships with subcontractors performing half our assembly, and we would leverage these resources in the case of a climate-related event impacting production. This investment makes us more dynamic in our capabilities and ability to adapt to future climate trends. More investments in similar capital expenditures are planned in the short to medium-term horizon. Additionally, we have invested in several capital expenditures, including energy efficiency, water conservation, data server co-location projects.</p> <p>Assets: We acknowledge that the purchasing and building activities related to establishing our global production facilities have been impacted by climate change opportunities and risks. When purchasing new equipment, we assess and act on such opportunities and risks as needed to maximize the positive impact incurred. These ongoing purchases support our teams' access to assets and equipment to achieve corporate goals of releasing innovative products that contribute to the financial planning energies of the organization.</p>

C3.5

(C3.5) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's climate transition?

	Identification of spending/revenue that is aligned with your organization's climate transition	Indicate the level at which you identify the alignment of your spending/revenue with a sustainable finance taxonomy
Row 1	No, and we do not plan to in the next two years	<Not Applicable>

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?

Intensity target

C4.1b

(C4.1b) Provide details of your emissions intensity target(s) and progress made against those target(s).

Target reference number

Int 1

Is this a science-based target?

No, and we do not anticipate setting one in the next two years

Target ambition

<Not Applicable>

Year target was set

2023

Target coverage

Site/facility

Scope(s)

Scope 1

Scope 2

Scope 2 accounting method

Location-based

Scope 3 category(ies)

<Not Applicable>

Intensity metric

Metric tons CO2e per unit revenue

Base year

2018

Intensity figure in base year for Scope 1 (metric tons CO2e per unit of activity)

2.97

Intensity figure in base year for Scope 2 (metric tons CO2e per unit of activity)

73.14

Intensity figure in base year for Scope 3, Category 1: Purchased goods and services (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 2: Capital goods (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 5: Waste generated in operations (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 6: Business travel (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 7: Employee commuting (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 8: Upstream leased assets (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 10: Processing of sold products (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 11: Use of sold products (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 13: Downstream leased assets (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 14: Franchises (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Category 15: Investments (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Other (upstream) (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for Scope 3, Other (downstream) (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for total Scope 3 (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in base year for all selected Scopes (metric tons CO2e per unit of activity)

76.11

% of total base year emissions in Scope 1 covered by this Scope 1 intensity figure

100

% of total base year emissions in Scope 2 covered by this Scope 2 intensity figure

100

% of total base year emissions in Scope 3, Category 1: Purchased goods and services covered by this Scope 3, Category 1: Purchased goods and services intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 2: Capital goods covered by this Scope 3, Category 2: Capital goods intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) covered by this Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution covered by this Scope 3, Category 4: Upstream transportation and distribution intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 5: Waste generated in operations covered by this Scope 3, Category 5: Waste generated in operations intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 6: Business travel covered by this Scope 3, Category 6: Business travel intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 7: Employee commuting covered by this Scope 3, Category 7: Employee commuting intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 8: Upstream leased assets covered by this Scope 3, Category 8: Upstream leased assets intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution covered by this Scope 3, Category 9: Downstream transportation and distribution intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 10: Processing of sold products covered by this Scope 3, Category 10: Processing of sold products intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 11: Use of sold products covered by this Scope 3, Category 11: Use of sold products intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products covered by this Scope 3, Category 12: End-of-life treatment of sold products intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 13: Downstream leased assets covered by this Scope 3, Category 13: Downstream leased assets intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 14: Franchises covered by this Scope 3, Category 14: Franchises intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Category 15: Investments covered by this Scope 3, Category 15: Investments intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Other (upstream) covered by this Scope 3, Other (upstream) intensity figure

<Not Applicable>

% of total base year emissions in Scope 3, Other (downstream) covered by this Scope 3, Other (downstream) intensity figure

<Not Applicable>

% of total base year emissions in Scope 3 (in all Scope 3 categories) covered by this total Scope 3 intensity figure

<Not Applicable>

% of total base year emissions in all selected Scopes covered by this intensity figure

95

Target year

2030

Targeted reduction from base year (%)

50

Intensity figure in target year for all selected Scopes (metric tons CO2e per unit of activity) [auto-calculated]

38.055

% change anticipated in absolute Scope 1+2 emissions

9

% change anticipated in absolute Scope 3 emissions

Intensity figure in reporting year for Scope 1 (metric tons CO2e per unit of activity)

0.42

Intensity figure in reporting year for Scope 2 (metric tons CO2e per unit of activity)

62.03

Intensity figure in reporting year for Scope 3, Category 1: Purchased goods and services (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 2: Capital goods (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 5: Waste generated in operations (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 6: Business travel (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 7: Employee commuting (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 8: Upstream leased assets (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 10: Processing of sold products (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 11: Use of sold products (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 13: Downstream leased assets (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 14: Franchises (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Category 15: Investments (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Other (upstream) (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for Scope 3, Other (downstream) (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for total Scope 3 (metric tons CO2e per unit of activity)

<Not Applicable>

Intensity figure in reporting year for all selected Scopes (metric tons CO2e per unit of activity)

62.46

Does this target cover any land-related emissions?

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

% of target achieved relative to base year [auto-calculated]

35.8691367757194

Target status in reporting year

Underway

Please explain target coverage and identify any exclusions

Our target coverage consists of our facilities in the U.S. and the Philippines as these are the locations where manufacturing and research and development are conducted and represent over 90% of our global emissions. Sites that are excluded are sites that do not have any production or research and development, and are outside of our operational control.

Plan for achieving target, and progress made to the end of the reporting year

Allegro's plan on achieving the target is to successfully accomplish the emission reduction initiatives described in C4.3b below. Since FY18 we've made 36.75% progress towards our goal.

List the emissions reduction initiatives which contributed most to achieving this target

<Not Applicable>

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?

No other climate-related targets

C4.3

(C4.3) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

Yes

C4.3a

(C4.3a) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation		
To be implemented*	4	280
Implementation commenced*		
Implemented*	5	2040
Not to be implemented		

(C4.3b) Provide details on the initiatives implemented in the reporting year in the table below.

Initiative category & Initiative type

Energy efficiency in buildings	Other, please specify (Interconnected vacuum system)
--------------------------------	---

Estimated annual CO2e savings (metric tonnes CO2e)

412

Scope(s) or Scope 3 category(ies) where emissions savings occur

Scope 2 (location-based)

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

26780

Investment required (unit currency – as specified in C0.4)

4000

Payback period

<1 year

Estimated lifetime of the initiative

>30 years

Comment

As one of the several emissions reduction initiatives at AMPI, the process vacuum line interconnection project integrated all vacuum lines across our three AMPI buildings to optimize process vacuum supply. Instead of working independently, the interconnected vacuum lines supplemented each line. From the original three, the operating vacuum was reduced to two, and the third vacuum serves as a back-up, resulting in approximately 412 MT savings of CO2e per year.

Initiative category & Initiative type

Energy efficiency in production processes	Waste heat recovery
---	---------------------

Estimated annual CO2e savings (metric tonnes CO2e)

516

Scope(s) or Scope 3 category(ies) where emissions savings occur

Scope 2 (location-based)

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

37840

Investment required (unit currency – as specified in C0.4)

10670

Payback period

<1 year

Estimated lifetime of the initiative

>30 years

Comment

AMPI's waste heat recovery project entailed the installation of local exhaust ventilation directly attached to approximately 29 pieces of test equipment. It aims to divert the heat generated by the test equipment away from the production floor. In doing so, the ambient heat load was significantly reduced, reducing the additional workload from air-conditioning, and avoiding approximately 516 MT of CO2e.

Initiative category & Initiative type

Low-carbon energy generation	Solar PV
------------------------------	----------

Estimated annual CO2e savings (metric tonnes CO2e)

89

Scope(s) or Scope 3 category(ies) where emissions savings occur

Scope 1

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

9665

Investment required (unit currency – as specified in C0.4)

130000

Payback period

4-10 years

Estimated lifetime of the initiative

21-30 years

Comment

In FY23, we installed a 60 kW photovoltaic system on the rooftop of our AMPI manufacturing buildings in the Philippines. The photovoltaic contributes to AMPI's carbon emission reduction by approximately 90 MT CO2e annually and is expected to generate approximately 125,161 kWh in annual energy savings at AMPI. We are planning to add an additional 100 kW photovoltaic solar panels at AMPI in FY24.

Initiative category & Initiative type

Energy efficiency in buildings	Building Energy Management Systems (BEMS)
--------------------------------	---

Estimated annual CO2e savings (metric tonnes CO2e)

993

Scope(s) or Scope 3 category(ies) where emissions savings occur

Scope 3 category 1: Purchased goods & services

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

345396

Investment required (unit currency – as specified in C0.4)

457302

Payback period

1-3 years

Estimated lifetime of the initiative

21-30 years

Comment

The water-cooled chiller installation project replaced a current air-cooled chiller with more energy efficient water-cooled chillers. Water-cooled chillers with cooling towers feature higher energy efficiency than air-cooled chillers, in addition to longer equipment life. This project is expected to save approximately 1.394 GWh in energy use per year, equivalent to a savings of 993 MT of CO2e annually.

Initiative category & Initiative type

Energy efficiency in buildings	Lighting
--------------------------------	----------

Estimated annual CO2e savings (metric tonnes CO2e)

30

Scope(s) or Scope 3 category(ies) where emissions savings occur

Scope 2 (location-based)

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

4581

Investment required (unit currency – as specified in C0.4)

1860

Payback period

<1 year

Estimated lifetime of the initiative

>30 years

Comment

At AMPI, as part of the lighting optimization project, we replaced all high bay lights with LED lights, and continue to explore the conversion of other lightings to lower wattages

Initiative category & Initiative type

Waste reduction and material circularity	Product/component/material recycling
--	--------------------------------------

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s) or Scope 3 category(ies) where emissions savings occur

Scope 3 category 1: Purchased goods & services

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

3500

Investment required (unit currency – as specified in C0.4)

Payback period

Please select

Estimated lifetime of the initiative

Please select

Comment

In FY23, AMPI completed a full transition to online transactions through our PRT (Paperless Receipt Traveler) Project. The PRT project will successfully save a total 2.9 MT of paper and plastic annually.

C4.3c

(C4.3c) What methods do you use to drive investment in emissions reduction activities?

Method	Comment
Compliance with regulatory requirements/standards	We recognize the importance of emissions reduction, and are driven to ensure that we meet all regulatory requirements and standards at all sites. Our quality and legal teams are working cross-functionally to ensure all applicable regulatory requirements and standards (including ISO certifications) are met and adequately addressed on a continued basis.
Employee engagement	<p>In FY23, Allegro also underwent a process to identify and prioritize strategic areas for ESG growth at the Company, establish peer-benchmarking for our initiatives, and formalize plans to enhance disclosures and set targets. As part of this process, we hosted our first set of ESG leadership labs with a cross-functional group of senior leaders, subject matter experts, and team members. During the labs, this cross-functional team collaborated with a global sustainability consulting organization to formulate a value-driven, market-differentiated ESG strategy. As part of this process, employees were engaged at many levels. We conducted over 20 interviews with Allegro employees involved in the Company's ESG initiatives to better understand their leadership priorities, work done to date, and ambitions and concerns around crafting Allegro's ESG strategy. We hosted three in-depth strategy labs to facilitate discussions over Allegro's ESG ambitions, ideation and prioritization of supporting initiatives, and align on ago-forward roadmap.</p> <p>Emphasizing the importance of positive global citizenship, we offer various site-based community environmental initiatives and programs for employees, vendors, and their families. These activities encourage employee engagement as well as continued efforts to be good environmental stewards. Many of these activities and organized events directly relate to emission-related activities (both for the company as well as individually in employees' lives outside of the workplace). Through a variety of tree planting, ride-share programs and emission-focused employee challenges, we work to drive investment in emissions reduction activities throughout the workforce.</p>
Internal incentives/recognition programs	<p>Our manufacturing site establishes an energy reduction target on an annual basis. Achievement of related reduction targets is incorporated into the performance management goals for affected employees, such as the Environmental, Health and Safety Managers. Corporate objectives are cascaded from the executive staff to managers and their associated teams. Rewards are based on our collective and individual achievement of these goals.</p> <p>The primary incentive provided for achieving set targets is monetary, as part of our Annual Incentive Plan. We offer site-based programs surrounding global citizenship and environmental sustainability efforts in which employees are encouraged to participate. Rewards include public recognition in company distributed materials, site-based presentations, and physical items such as apparel, gift cards, and paid time off.</p> <p>Allegro continues to offer a flexible work environment at most of our non-factory locations. As a result, there is a realized reduction in employee commuting, thus reducing GHG emissions relating to commuting. We expect this reduction in employee commuting to fluctuate based on business needs. As noted in C1.3a, our manufacturing facility in the Philippines offers a carpooling program to conserve fuel and reduce our carbon footprint. Employees who carpool are given reserved parking and a small monthly allowance as an incentive.</p>
Dedicated budget for energy efficiency	Allegro budgets for energy efficiency projects at several of our facilities with a specific focus on our facility in the Philippines as the most significant energy demanding facility. Details of those projects are provided in other sections.
Dedicated budget for other emissions reduction activities	Allegro budgets for emissions reduction activities at several of our facilities with a specific focus on our facility in the Philippines as the most significant source of emissions. Details of those projects are provided in other sections.
Dedicated budget for low-carbon product R&D	<p>In FY23, we continued to invest heavily in new R&D technologies and expanded our global footprint of R&D by collaborating globally. Approximately 75% of R&D investment is focused on e-Mobility, clean energy and automation, and 43% of our auto revenue was from e-Mobility. We are taking strategic steps to align with the growth of these related markets, acknowledging and addressing the impact on product lines as well as facilities. Examples include new die technologies and innovative packaging designs, which will position the company for future success now and in the long term. Both of our product franchises, magnetic sensing and power ICs, are used in applications that are focused on a more sustainable future. For instance, you can find our current sensors alongside motor drivers in electric vehicles (EV), solar farms, or EV charging stations.</p> <p>In addition to addressing the changing needs within the automotive industry, we are committed to a significant investment in R&D to support data center and communications infrastructure as well as smart factories and energy efficiency applications. Exponential growth of internet traffic, proliferation of connected devices, and global demand for cloud computing services has driven rapid expansion in data center and communications infrastructure spending.</p> <p>As data center infrastructure expansion continues, there is an increased need for advanced cooling and efficient power delivery technologies. This in turn has led to a growing demand for energy management technologies that reduce cooling costs and improve operational efficiency. We spin motors faster, creating better thermal efficiency which equals less power required to cool data centers. Our solutions are uniquely suited for higher voltage operation, and therefore, we believe our motor driver and current sensor ICs will gain market share in applications like data centers as they convert to 48-volt operating voltages.</p> <p>The advent of Industry 4.0 is increasing demand for renewable energy, and the adoption of clean technologies represents additional meaningful growth opportunities. We believe we can leverage our technology leadership in solutions optimized for high-temperature, high-voltage, high-reliability conditions to expand our presence in these markets, justifying a significant investment for R&D in this area.</p>

C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products?

Yes

C4.5a

(C4.5a) Provide details of your products and/or services that you classify as low-carbon products.

Level of aggregation

Group of products or services

Taxonomy used to classify product(s) or service(s) as low-carbon

Other, please specify (Company designed methodology used for reporting purposes)

Type of product(s) or service(s)

Other	Other, please specify (Clean Energy Infrastructure)
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Description of product(s) or service(s)

With our high-performance power and sensing solutions, we're part of the evolution toward an electricity-powered, more sustainable economy. Allegro solutions help customers improve the reliability, safety, and energy efficiency of their clean energy and grid infrastructure applications. From solar energy systems and power supplies to EV charging and energy infrastructures, our advancements in electrification, sustainability, and connectivity enable more efficient technologies that can address today's demands while they position our customers for future success.

Inverters to Enable Renewable Energy Generation.

Our compact current sensors for inverters, power conversion, and power management operate at high voltage and reduce ohmic losses.

Inverters Central to EV Charging Infrastructure

Our current sensors minimize heat dissipation for EV charging stations in both residential and commercial settings while isolating users from high-voltage currents to ensure safe use.

% Revenue from low carbon product(s) is not publicly disclosed data and cannot be shared at this time.

Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

No

Methodology used to calculate avoided emissions

<Not Applicable>

Life cycle stage(s) covered for the low-carbon product(s) or services(s)

<Not Applicable>

Functional unit used

<Not Applicable>

Reference product/service or baseline scenario used

<Not Applicable>

Life cycle stage(s) covered for the reference product/service or baseline scenario

<Not Applicable>

Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

<Not Applicable>

Explain your calculation of avoided emissions, including any assumptions

<Not Applicable>

Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

Level of aggregation

Group of products or services

Taxonomy used to classify product(s) or service(s) as low-carbon

Other, please specify (Company designed methodology used for reporting purposes)

Type of product(s) or service(s)

Other	Other, please specify (Electrification/E-Vehicles/ Hybrid EV Solutions)
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Description of product(s) or service(s)

Our extensive experience in the automotive market motivates our entire organization to regularly enhance and refine our broad foundation of high voltage automotive semiconductor and IC package technologies. We offer in-depth automotive applications knowledge, our global automotive market support infrastructure, and our commitment to automotive quality systems. We are well-positioned to deliver robust application-specific ICs for a broad range of safety-critical powertrain, electronic power steering, infotainment, and comfort and convenience applications for internal combustion engine and hybrid or fully electric vehicles.

We partner with many automakers and suppliers to fuel high efficiency through advanced current sensor ICs in (H)EV and stop/start vehicle applications. Innovative, small form factor integrated current sensor ICs can be employed in HEV subsystems, including DC-DC converters, HVAC fans, and heaters, as well as fluid pumps and Electronic Power Steering (EPS) applications. We offer a broad portfolio of automotive-grade 80V motor drivers designed for electrified vehicles. Offering flexible options and capabilities, our power product portfolio widely addresses the needs of the development market. With the industry's very small footprint packages, this portfolio enables the reduction of external components, eliminates waste, and helps to lighten the overall weight of the vehicle and contributes to the overall efficiency of the vehicle.

Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

No

Methodology used to calculate avoided emissions

<Not Applicable>

Life cycle stage(s) covered for the low-carbon product(s) or services(s)

<Not Applicable>

Functional unit used

<Not Applicable>

Reference product/service or baseline scenario used

<Not Applicable>

Life cycle stage(s) covered for the reference product/service or baseline scenario

<Not Applicable>

Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

<Not Applicable>

Explain your calculation of avoided emissions, including any assumptions

<Not Applicable>

Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

Level of aggregation

Group of products or services

Taxonomy used to classify product(s) or service(s) as low-carbon

Other, please specify (Company designed methodology used for reporting purposes.)

Type of product(s) or service(s)

Other	Other, please specify (Consumer Goods)
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Description of product(s) or service(s)

Increasing consumer demand for highly reliable, energy-efficient appliances creates an opportunity for appliance manufacturers to differentiate their product offerings. Additionally, mandates in the Energy Efficient and Smart Appliance Agreement of 2010 will force appliance manufacturers to adopt more energy-efficient technologies.

Our broad portfolio of energy-efficient ICs includes nearly-lossless electrical current sensor ICs that reduce energy consumption and ohmic losses in refrigeration and HVAC compressor, motor, or inverter applications. Micropower and low current consumption contactless position sensor ICs also enable reliable open and close or knob position functions. Finally, Allegro power ICs enable efficient power management and brushless DC motor or fan control in a wide range of white goods applications.

Allegro solutions enable reliable and efficient power management, backlight display control, motor control, and position and current sensing in consumer devices, from gaming consoles and smart appliances to robotic vacuums and HVACs. As a result, we help our customers gain a competitive edge in a rapidly evolving market, and everyday users benefit from more energy-efficient technologies that don't sacrifice performance or climate integrity.

Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

No

Methodology used to calculate avoided emissions

<Not Applicable>

Life cycle stage(s) covered for the low-carbon product(s) or services(s)

<Not Applicable>

Functional unit used

<Not Applicable>

Reference product/service or baseline scenario used

<Not Applicable>

Life cycle stage(s) covered for the reference product/service or baseline scenario

<Not Applicable>

Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

<Not Applicable>

Explain your calculation of avoided emissions, including any assumptions

<Not Applicable>

Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

Level of aggregation

Group of products or services

Taxonomy used to classify product(s) or service(s) as low-carbon

Other, please specify (Company designed methodology used for reporting purposes.)

Type of product(s) or service(s)

Other	Other, please specify (Industrial Applications)
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Description of product(s) or service(s)

Allegro products enable intelligent motion for industrial applications in ways that deliver increased efficiencies, enhance safety, and lengthen product lifespans. Our technologies power factory automation, reduce factory downtime by increasing asset reliability, and reduce overall solution footprints in ways that lower total system costs. They also support increased energy efficiency for high-intensity data centers and clean energy applications by accurately measuring currents.

Industrial Energy Use Savings Through Current Sensing

Our current sensors consume 1/5 of the power typically consumed by shunt-sensing solutions and replace shunts across a variety of industrial use applications. Over the past 10 years, our current sensors installed and used in industrial applications have saved 125 MWh hours of electricity across the industry.

Brushless Direct Current Motor (BLDC) Driver to Power Three-Phase Data Center Fans

We launched the world's first three-phase BLDC driver IC with integrated power loss brake features that eliminate power use to broken fans, increasing thermal efficiency and lowering energy use.

Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Please select

Methodology used to calculate avoided emissions

<Not Applicable>

Life cycle stage(s) covered for the low-carbon product(s) or services(s)

<Not Applicable>

Functional unit used

<Not Applicable>

Reference product/service or baseline scenario used

<Not Applicable>

Life cycle stage(s) covered for the reference product/service or baseline scenario

<Not Applicable>

Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

<Not Applicable>

Explain your calculation of avoided emissions, including any assumptions

<Not Applicable>

Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

C5. Emissions methodology

C5.1

(C5.1) Is this your first year of reporting emissions data to CDP?

No

C5.1a

(C5.1a) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

Row 1

Has there been a structural change?

No

Name of organization(s) acquired, divested from, or merged with

<Not Applicable>

Details of structural change(s), including completion dates

<Not Applicable>

C5.1b

(C5.1b) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

	Change(s) in methodology, boundary, and/or reporting year definition?	Details of methodology, boundary, and/or reporting year definition change(s)
Row 1	Yes, a change in methodology	Change in emissions accounting methodology as a result of more accurate emissions factors being used from the International Energy Agency (IEA).

C5.1c

(C5.1c) Have your organization's base year emissions and past years' emissions been recalculated as a result of any changes or errors reported in C5.1a and/or C5.1b?

	Base year recalculation	Scope(s) recalculated	Base year emissions recalculation policy, including significance threshold	Past years' recalculation
Row 1	Yes	Scope 1 Scope 2, location-based	As specified in Allegro's Base Year Recalculation Policy, Allegro follows the guidelines of the World Resource Institute (WRI)/World Business Council for Sustainable Development (WBCSD) GHG Protocol for adjusting the base year GHG inventory (for Scope 1 and 2 emissions). The base year inventory will be adjusted in response to any structural or methodology changes if the resulting adjustment is more than 5% of base year emissions. Adjustments less than this threshold are considered insignificant and will be decided case by case.	Yes

C5.2

(C5.2) Provide your base year and base year emissions.

Scope 1

Base year start

April 1 2017

Base year end

March 31 2018

Base year emissions (metric tons CO2e)

4096

Comment

Emissions are cumulative per reporting boundary established.

Scope 2 (location-based)

Base year start

April 1 2017

Base year end

March 31 2018

Base year emissions (metric tons CO2e)

22726

Comment

Emissions are cumulative per reporting boundary established.

Scope 2 (market-based)

Base year start

April 1 2017

Base year end

March 31 2018

Base year emissions (metric tons CO2e)

Comment

Allegro has not established a recognized baseline for Scope 2 emissions on a market-based level.

Scope 3 category 1: Purchased goods and services

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 2: Capital goods

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 4: Upstream transportation and distribution

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 5: Waste generated in operations

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 6: Business travel

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 7: Employee commuting

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 8: Upstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 9: Downstream transportation and distribution

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 10: Processing of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 11: Use of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 12: End of life treatment of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 13: Downstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 14: Franchises

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 15: Investments

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3: Other (upstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3: Other (downstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

C5.3

(C5.3) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

IEA CO2 Emissions from Fuel Combustion

US EPA Mandatory Greenhouse Gas Reporting Rule

US EPA Emissions & Generation Resource Integrated Database (eGRID)

Other, please specify (EPA AVERT, U.S. Nat'l Avg Methodology)

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)
412

Start date
April 1 2022

End date
March 31 2023

Comment
FY23 gross Scope 1 global emissions

Past year 1

Gross global Scope 1 emissions (metric tons CO2e)
358

Start date
April 1 2021

End date
March 31 2022

Comment
FY22 gross Scope 1 global emissions

Past year 2

Gross global Scope 1 emissions (metric tons CO2e)
420

Start date
April 1 2020

End date
March 31 2021

Comment
FY21 gross Scope 1 global emissions

Past year 3

Gross global Scope 1 emissions (metric tons CO2e)
438

Start date
April 1 2019

End date
March 31 2020

Comment
FY20 gross Scope 1 global emissions

Past year 4

Gross global Scope 1 emissions (metric tons CO2e)
1625

Start date
April 1 2018

End date
March 31 2019

Comment
FY19 gross Scope 1 global emissions

Past year 5

Gross global Scope 1 emissions (metric tons CO2e)
1828

Start date
April 1 2017

End date
March 31 2018

Comment
FY18 gross Scope 1 global emissions

C6.2

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.

Row 1

Scope 2, location-based

We are reporting a Scope 2, location-based figure

Scope 2, market-based

We have no operations where we are able to access electricity supplier emission factors or residual emissions factors and are unable to report a Scope 2, market-based figure

Comment

Scope 2 emissions are calculated within reporting boundary established.

C6.3

(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

Scope 2, location-based

60398

Scope 2, market-based (if applicable)

<Not Applicable>

Start date

April 1 2022

End date

March 31 2023

Comment

Change in emissions accounting methodology as a result of more accurate emissions factors being used from the International Energy Agency (IEA).

Past year 1

Scope 2, location-based

54489

Scope 2, market-based (if applicable)

<Not Applicable>

Start date

April 1 2021

End date

March 31 2022

Comment

Change in emissions accounting methodology as a result of more accurate emissions factors being used from the International Energy Agency (IEA).

Past year 2

Scope 2, location-based

49938

Scope 2, market-based (if applicable)

<Not Applicable>

Start date

April 1 2020

End date

March 31 2021

Comment

Change in emissions accounting methodology as a result of more accurate emissions factors being used from the International Energy Agency (IEA).

Past year 3

Scope 2, location-based

46545

Scope 2, market-based (if applicable)

<Not Applicable>

Start date

April 1 2019

End date

March 31 2020

Comment

Change in emissions accounting methodology as a result of more accurate emissions factors being used from the International Energy Agency (IEA).

Past year 4

Scope 2, location-based

47957

Scope 2, market-based (if applicable)

<Not Applicable>

Start date

April 1 2018

End date

March 31 2019

Comment

Change in emissions accounting methodology as a result of more accurate emissions factors being used from the International Energy Agency (IEA).

Past year 5

Scope 2, location-based

45169

Scope 2, market-based (if applicable)

<Not Applicable>

Start date

April 1 2017

End date

March 31 2018

Comment

Change in emissions accounting methodology as a result of more accurate emissions factors being used from the International Energy Agency (IEA).

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?

Yes

C6.4a

(C6.4a) Provide details of the sources of Scope 1, Scope 2, or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure.

Source of excluded emissions

All scope 3 emissions are not included.

Scope(s) or Scope 3 category(ies)

- Scope 3: Purchased goods and services
- Scope 3: Capital goods
- Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2)
- Scope 3: Upstream transportation and distribution
- Scope 3: Waste generated in operations
- Scope 3: Business travel
- Scope 3: Employee commuting
- Scope 3: Upstream leased assets
- Scope 3: Downstream transportation and distribution
- Scope 3: Processing of sold products
- Scope 3: Use of sold products
- Scope 3: End-of-life treatment of sold products
- Scope 3: Downstream leased assets
- Scope 3: Franchises
- Scope 3: Investments
- Scope 3: Other (upstream)
- Scope 3: Other (downstream)

Relevance of Scope 1 emissions from this source

<Not Applicable>

Relevance of location-based Scope 2 emissions from this source

<Not Applicable>

Relevance of market-based Scope 2 emissions from this source

<Not Applicable>

Relevance of Scope 3 emissions from this source

Emissions are relevant but not yet calculated

Date of completion of acquisition or merger

<Not Applicable>

Estimated percentage of total Scope 1+2 emissions this excluded source represents

<Not Applicable>

Estimated percentage of total Scope 3 emissions this excluded source represents

100

Explain why this source is excluded

Scope 3 emissions data has not yet been collected or calculated.

Explain how you estimated the percentage of emissions this excluded source represents

All of scope 3 emissions data has not yet been collected or calculated.

C6.5

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Capital goods**Evaluation status**

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Fuel-and-energy-related activities (not included in Scope 1 or 2)**Evaluation status**

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Upstream transportation and distribution**Evaluation status**

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Waste generated in operations**Evaluation status**

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Business travel**Evaluation status**

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Employee commuting**Evaluation status**

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Upstream leased assets**Evaluation status**

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Downstream transportation and distribution**Evaluation status**

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Processing of sold products**Evaluation status**

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Use of sold products**Evaluation status**

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

End of life treatment of sold products

Evaluation status

Not evaluated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Due to the nature of our products, end of life treatment of sold products does not have a clear methodology for tracking.

Downstream leased assets

Evaluation status

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Franchises

Evaluation status

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Investments

Evaluation status

Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

We are currently evaluating methods and processes to start tracking Scope 3 emissions.

Other (upstream)

Evaluation status

Not evaluated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Not yet evaluated.

Other (downstream)

Evaluation status

Not evaluated

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Not yet evaluated.

C6.7

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?

No

C6.10

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure

62.46

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

60810

Metric denominator

unit total revenue

Metric denominator: Unit total

973.65

Scope 2 figure used

Location-based

% change from previous year

12

Direction of change

Decreased

Reason(s) for change

Other emissions reduction activities

Change in output

Change in revenue

Please explain

Carbon intensity (Scope 1 & 2 emissions) per unit of revenue (in tons of CO2 equivalent per million U.S. dollars).

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?

Yes

C7.1a

(C7.1a) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used greenhouse warming potential (GWP).

Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
CO2	409.89	IPCC Fourth Assessment Report (AR4 - 100 year)
CH4	0.44	IPCC Fourth Assessment Report (AR4 - 100 year)
N2O	1.35	IPCC Fourth Assessment Report (AR4 - 100 year)

C7.2

(C7.2) Break down your total gross global Scope 1 emissions by country/area/region.

Country/area/region	Scope 1 emissions (metric tons CO2e)
United States of America	245.44
Philippines	166.24

C7.3

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

By facility

C7.3b

(C7.3b) Break down your total gross global Scope 1 emissions by business facility.

Facility	Scope 1 emissions (metric tons CO2e)	Latitude	Longitude
AMPI (Philippines)	166.24	14.490461	121.041656
Manchester, NH	239.62	42.369683	-71.571953
Marlborough, MA	5.8	42.93926	-71.444805
Beaverton, OR	0.02	45.520459	-122.841056

C7.5

(C7.5) Break down your total gross global Scope 2 emissions by country/area/region.

Country/area/region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
United States of America	1337.1	1337.1
Philippines	59060.6	59060.6

C7.6

(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

By facility

C7.6b

(C7.6b) Break down your total gross global Scope 2 emissions by business facility.

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
AMPI (Philippines)	59060.61	59060.6
Manchester, NH	1023.57	1023.6
Marlborough, MA	250.21	250.2
Beaverton, OR	63.31	63.3

C7.7

(C7.7) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?

Yes

C7.7a

(C7.7a) Break down your gross Scope 1 and Scope 2 emissions by subsidiary.

Subsidiary name

Allegro MicroSystems, LLC

Primary activity

Semiconductors

Select the unique identifier(s) you are able to provide for this subsidiary

LEI number

ISIN code – bond

<Not Applicable>

ISIN code – equity

<Not Applicable>

CUSIP number

<Not Applicable>

Ticker symbol

<Not Applicable>

SEDOL code

<Not Applicable>

LEI number

54930004TGPV6DR3LE12

Other unique identifier

<Not Applicable>

Scope 1 emissions (metric tons CO2e)

245.44

Scope 2, location-based emissions (metric tons CO2e)

1337.09

Scope 2, market-based emissions (metric tons CO2e)

1337.09

Comment

Allegro MicroSystems, LLC includes all U.S. based sites

Subsidiary name

Allegro MicroSystems Philippines, Inc.

Primary activity

Semiconductors

Select the unique identifier(s) you are able to provide for this subsidiary

No unique identifier

ISIN code – bond

<Not Applicable>

ISIN code – equity

<Not Applicable>

CUSIP number

<Not Applicable>

Ticker symbol

<Not Applicable>

SEDOL code

<Not Applicable>

LEI number

<Not Applicable>

Other unique identifier

<Not Applicable>

Scope 1 emissions (metric tons CO2e)

166.24

Scope 2, location-based emissions (metric tons CO2e)

59060.61

Scope 2, market-based emissions (metric tons CO2e)

59060.61

Comment

Allegro MicroSystems Philippines, Inc. includes site in Philippines.

(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Increased

C7.9a

(C7.9a) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

	Change in emissions (metric tons CO2e)	Direction of change in emissions	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	1178	Decreased	63	Allegro was provided with more renewable energy in FY23 than FY22 through their electricity supplier.
Other emissions reduction activities	2040	Decreased	148	Total metric tons of CO2e saved from energy efficiency projects increased over FY22 by 148% from 824 metric tons CO2e to 2040 metric tons CO2e.
Divestment	0	No change	0	Allegro did not have any divestments in FY23 that would impact emissions.
Acquisitions	0	No change	0	Allegro did not have any acquisitions in FY23 that would impact emissions
Mergers	0	No change	0	Allegro did not have any mergers in FY23 that would impact emissions.
Change in output	5962.9	Increased	11	Gross global emissions increased due to increase in business output but carbon intensity per unit revenue decreased by 12%
Change in methodology	0	No change	0	This was addressed in section C5.1 with updated emissions entered.
Change in boundary	0	No change	0	Allegro has no change in boundary for this reporting year that wasn't captured previously.
Change in physical operating conditions	0	No change	0	Allegro had no change in physical operating conditions
Unidentified	0	No change	0	There are no unidentified reasons for changes in emissions.
Other	0	No change	0	No other reasons identified.

C7.9b

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Location-based

C8. Energy

C8.1

(C8.1) What percentage of your total operational spend in the reporting year was on energy?

More than 0% but less than or equal to 5%

C8.2

(C8.2) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	No
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	Yes

C8.2a

(C8.2a) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	Unable to confirm heating value	0	2084.51	2084.51
Consumption of purchased or acquired electricity	<Not Applicable>	4005.8	88342.9	92348.7
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	125	<Not Applicable>	125
Total energy consumption	<Not Applicable>	4130.5	90427.41	94558.21

C8.2b

(C8.2b) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	Yes
Consumption of fuel for the generation of heat	No
Consumption of fuel for the generation of steam	No
Consumption of fuel for the generation of cooling	No
Consumption of fuel for co-generation or tri-generation	No

C8.2c

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Sustainable biomass

Heating value

LHV

Total fuel MWh consumed by the organization

0

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Other biomass

Heating value

LHV

Total fuel MWh consumed by the organization

0

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Other renewable fuels (e.g. renewable hydrogen)

Heating value

LHV

Total fuel MWh consumed by the organization

0

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Coal

Heating value

LHV

Total fuel MWh consumed by the organization

0

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Oil

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

326.65

MWh fuel consumed for self-generation of electricity

326.65

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Allegro consumed 30,381 L of diesel fuel during the reporting year, generating 326.65 MWh of electricity.

Gas**Heating value**

Unable to confirm heating value

Total fuel MWh consumed by the organization

1757.87

MWh fuel consumed for self-generation of electricity

1757.87

MWh fuel consumed for self-generation of heat**MWh fuel consumed for self-generation of steam**

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Through consumption of LPG-gas, natural gas, and gasoline Allegro generated 247.49 MWh, 1485.13 MWh, and 25.24 MWh respectively.

Other non-renewable fuels (e.g. non-renewable hydrogen)**Heating value**

LHV

Total fuel MWh consumed by the organization

0

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment**Total fuel****Heating value**

Unable to confirm heating value

Total fuel MWh consumed by the organization

2084.51

MWh fuel consumed for self-generation of electricity

2084.51

MWh fuel consumed for self-generation of heat**MWh fuel consumed for self-generation of steam**

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Collectively, Allegro consumed fuels generating a total of 2084.51 MWh during the reporting year.

C8.2d**(C8.2d) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.**

	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity	125	125	125	125
Heat	0	0	0	0
Steam	0	0	0	0
Cooling	0	0	0	0

C8.2g

(C8.2g) Provide a breakdown by country/area of your non-fuel energy consumption in the reporting year.

Country/area

Philippines

Consumption of purchased electricity (MWh)

86967.7

Consumption of self-generated electricity (MWh)

125

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)

0

Consumption of self-generated heat, steam, and cooling (MWh)

0

Total non-fuel energy consumption (MWh) [Auto-calculated]

87092.7

Country/area

United States of America

Consumption of purchased electricity (MWh)

5381

Consumption of self-generated electricity (MWh)

0

Is this electricity consumption excluded from your RE100 commitment?

<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)

0

Consumption of self-generated heat, steam, and cooling (MWh)

0

Total non-fuel energy consumption (MWh) [Auto-calculated]

5381

C9. Additional metrics

C9.1

(C9.1) Provide any additional climate-related metrics relevant to your business.

C10. Verification

C10.1

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Third-party verification or assurance process in place
Scope 3	No emissions data provided

C10.1a

(C10.1a) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

Allegro FY18 & FY23 Assurance Statement.pdf

Page/ section reference

pages 1-2

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

C10.1b

(C10.1b) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Scope 2 approach

Scope 2 location-based

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

Allegro FY18 & FY23 Assurance Statement.pdf

Page/ section reference

pages 1-2

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

C10.2

(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?

No, we do not verify any other climate-related information reported in our CDP disclosure

C11. Carbon pricing

C11.1

(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

No, and we do not anticipate being regulated in the next three years

C11.2

(C11.2) Has your organization canceled any project-based carbon credits within the reporting year?

No

C11.3

(C11.3) Does your organization use an internal price on carbon?

No, but we anticipate doing so in the next two years

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?

Yes, our suppliers

Yes, our customers/clients

Yes, other partners in the value chain

C12.1a

(C12.1a) Provide details of your climate-related supplier engagement strategy.

Type of engagement

Other, please specify (Compliance & Onboarding)

Details of engagement

Other, please specify (Require a response to adhering to the Supplier Code of Conduct, which includes multiple elements of ESG, which also includes climate impact)

% of suppliers by number

40

% total procurement spend (direct and indirect)

80

% of supplier-related Scope 3 emissions as reported in C6.5

0

Rationale for the coverage of your engagement

Allegro seeks to be a good corporate citizen in its dealings with customers, suppliers, employees, and the communities where Allegro is located throughout the world. To ensure alignment to this vision across the supply chain, Allegro expects its suppliers to adhere to its core business values and principles. To this end, Allegro shall continue to pursue business partnerships with those suppliers that are committed to acting ethically, responsibly and in compliance with applicable laws and regulations.

Our Supplier Code of Conduct incorporates the principles outlined in the RBA Code of Conduct, Version 7.0. RBA member companies, including ourselves, are committed to ensuring the rights and welfare of workers and communities worldwide that are part of the global electronics supply chain. Additionally, our Supplier Code of Conduct is based on and incorporates our own Code of Business Conduct and Ethics, the Policy on Global Citizenship, and our Quality Requirements. It also has a section focused on taking responsibility for our environment which includes the following sections: 1) Environmental Permits and Reporting, 2) Pollution Prevention and Resource Reduction, 3) Hazardous Substances, 4) Solid Waste, 5) Air Emissions, 6) Materials Restrictions, 7) Water anagement, and 8) Energy Consumption / Greenhouse Gas Emissions, and 9) ISO Certifications.

Our subcontractors and direct materials suppliers are required to be International Organization for Standardization (ISO) 14001-Environmental Management System certified and must complete and sign our "Supplier Requirements." Sign-off and adherence to the Supplier Requirement document are tracked through our quality management system.

Impact of engagement, including measures of success

The compliance and on-boarding activities we have implemented, along with the periodic audit activity, have raised the awareness of environmental-related and emissions concerns within our supplier base. The increased awareness and supplier initiatives are positive steps in reducing emissions and conserving energy.

Comment

C12.1b

(C12.1b) Give details of your climate-related engagement strategy with your customers.

Type of engagement & Details of engagement

Education/information sharing	Share information about your products and relevant certification schemes (i.e. Energy STAR)
-------------------------------	---

% of customers by number

40

% of customer - related Scope 3 emissions as reported in C6.5

0

Please explain the rationale for selecting this group of customers and scope of engagement

Allegro's Sensor and Power Management ICs are routinely used in applications that either reduce energy consumption (i.e., brushless DC motors, high efficiency energy conversion systems) or reduce vehicle emissions (i.e., systems that reduce CO2 or NOX emissions in cars). Our Current Sensor and Power ICs are broadly used in high efficiency electric vehicles, electric vehicle chargers, solar or photovoltaic inverters, industrial motors, and a broad swath of efficient AC/DC or DC/DC power conversion systems. Our Speed Sensor ICs and Position Sensor ICs are used to make internal combustion engines more efficient while also reducing tailpipe emissions. Finally, our motor driver ICs are used to spin high efficiency brushless DC motors or fans in automotive, industrial, white goods, and data center applications.

Allegro has approximately 500 meaningful customers for the clean product or applications spaces noted above, representing approximately 40% of our FY23 revenue.

Impact of engagement, including measures of success

A measure of success would be an increase of volume of sales in our energy and emission reduction applications year over year.

C12.1d

(C12.1d) Give details of your climate-related engagement strategy with other partners in the value chain.

Due to the wide range of partners in our value chain including customers, employees, suppliers, investors, and the communities in which we work, in FY23 we accelerated our ESG journey by systematically assessing our priority ESG topics and using the insights gained in this process to identify five signature ESG initiatives to define our ESG strategy. Our five signature initiatives include: maximize the positive impact of our products, minimize impact on the planet, engage the supply chain to advance sustainability, build a diverse workforce, and cultivate opportunities in local communities. Specifically in alignment with SDG12 to "Ensure sustainable consumption and production patterns", Allegro is focused on minimizing the negative impact on the planet through reduction of energy use, emissions, waste, and water, as well as engaging our supply chain to advance sustainability.

At our facility in the Philippines (AMPI), we have collaborated with local utility provider and waste haulers to increase our renewable energy sources and decrease our waste to landfills, respectively. AMPI contracts directly with electricity generator providers in the Philippines, and we monitor and encourage their growing use of renewable energy sources (hydro-electric, solar, wind, etc.) while working closely to ensure future energy supplies. All of our solid waste at AMPI, with the exception of some residual waste and production waste sent for co-processing, is recycled. In FY23, AMPI solid waste recycling was approximately 89%. We are working towards increasing our rate of recycling over the coming years. The plans we implemented include: effective segregation of waste; removal of individual trash bins and deployment of centralized waste segregation bins; expansion of solid waste areas to accommodate waste; increased hauling frequency; and our scrap hauler-partners finding additional recycling opportunities and buyers for AMPI scraps and partnerships with other eco-responsible companies. A minimal quantity of residual waste goes to government-approved landfills.

On the employee side of our initiatives, we encourage Allegro employees and their families to participate in environmentally-conscious programs at each facility within the reporting boundary. This includes collaborative events such as "Earth Day Clean Up," "Environmental Volunteer" opportunities, and fundraising programs for tree-planting initiatives internationally.

Major transportation partners: On top of looking at the financial aspects of our transportation methods for both products and employees, we have vetted the sustainability and climate-related practices of these companies and encourage their use throughout our organization. Through conversations with our largest transportation partners, we are working to eliminate any negative impact we may contribute to by investing in their services or partnership. Through greater conversation and one-on-one conversations annually, we are confident in our selection of vendors and value chain partners within the transportation realm.

Third-party consultants: When selecting third-party vendors and consultants, we inquire about their stances on environmental sustainability and look at their impact on our business operations. Looking forward, we hope to continue and expand these efforts through advertising efforts online and in trade publications, as well through marketing campaigns at industry trade shows and product conventions. Through this, we hope to not only engage with others all along the value chain but also emphasize the seriousness of these activities and beliefs.

To help spur continued progress in this area, our ESG Steering Committee encourages company leaders to have these conversations with partners in the value chain.

C12.2

(C12.2) Do your suppliers have to meet climate-related requirements as part of your organization's purchasing process?

Yes, suppliers have to meet climate-related requirements, but they are not included in our supplier contracts

C12.2a

(C12.2a) Provide details of the climate-related requirements that suppliers have to meet as part of your organization's purchasing process and the compliance mechanisms in place.

Climate-related requirement

Other, please specify (Supplier Code of Conduct)

Description of this climate related requirement

Our Supplier Code of Conduct incorporates the principles outlined in the RBA Code of Conduct, Version 7.0. Additionally, our Supplier Code of Conduct is based on and incorporates our own Code of Business Conduct and Ethics, the Policy on Global Citizenship and our Quality Requirements. Our subcontractors and direct materials suppliers are required to be International Organization for Standardization (ISO) 14001-Environmental Management System certified and must complete and sign our "Supplier Requirements." Sign-off and adherence to the Supplier Requirement document are tracked through our quality management system. We perform audits of our suppliers using our "Supplier Quality System Survey" and have a tiered approach for our supplier audit based on the materials being provided and the criticality of the materials to our business. Both the "Supplier Requirements" and Quality System Survey include sections regarding Environmental and Social Responsibility and Corporate Citizenship. All suppliers of Allegro should expect periodic visits/audits by Allegro representatives for the purpose of assessing compliance with this Supplier Code of Conduct. Violation of this Supplier Code of Conduct may result in immediate termination of the business partnership with Allegro.

% suppliers by procurement spend that have to comply with this climate-related requirement

40

% suppliers by procurement spend in compliance with this climate-related requirement

80

Mechanisms for monitoring compliance with this climate-related requirement

Supplier self-assessment

First-party verification

Grievance mechanism/Whistleblowing hotline

Other, please specify (Suppliers are asked to acknowledge receipt and sign the Supplier Code of Conduct.)

Response to supplier non-compliance with this climate-related requirement

Other, please specify (Violation of this Supplier Code of Conduct may result in immediate termination of the business partnership with Allegro.)

C12.3

(C12.3) Does your organization engage in activities that could either directly or indirectly influence policy, law, or regulation that may impact the climate?

Row 1

External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the climate

Yes, our membership of/engagement with trade associations could influence policy, law, or regulation that may impact the climate

Does your organization have a public commitment or position statement to conduct your engagement activities in line with the goals of the Paris Agreement?

No, and we do not plan to have one in the next two years

Attach commitment or position statement(s)

<Not Applicable>

Describe the process(es) your organization has in place to ensure that your external engagement activities are consistent with your climate commitments and/or climate transition plan

At a corporate level, our involvement in trade organizations is monitored by our Manager, Business Planning and Market Intelligence, who annually oversees each organization's stance and regularly monitors Allegro's alignment and agreement with those stances. These actions ensure that we are responsive and in alignment with the organizations in which our participation can influence policy. The Company's EHS team also regularly evaluates activities within the area of operation and business transactions to ensure activities are conducted in a manner that makes Allegro a good steward of the environment and proponent of mitigating climate change. In the reporting year, we have also worked with ESG consultants who are helping us align our efforts in the most impactful manners.

Primary reason for not engaging in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate

<Not Applicable>

Explain why your organization does not engage in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate

<Not Applicable>

C12.3b

(C12.3b) Provide details of the trade associations your organization is a member of, or engages with, which are likely to take a position on any policy, law or regulation that may impact the climate.

Trade association

Other, please specify (Semiconductor Industry Association (SIA))

Is your organization's position on climate change policy consistent with theirs?

Consistent

Has your organization attempted to influence their position in the reporting year?

No, we did not attempt to influence their position

Describe how your organization's position is consistent with or differs from the trade association's position, and any actions taken to influence their position

We are an international member of the SIA (<https://www.semiconductors.org/>). The SIA is an acknowledged global leader in promoting environmental sustainability in the design, manufacture, and use of its products, as well as the health and safety of its operations and impacts on workers in semiconductor facilities. The SIA's position is stated online: <https://www.semiconductors.org/policies/environment-health-safety/>

The U.S. semiconductor industry is responsible for a fraction of one percent of U.S. greenhouse gas (GHG) emissions, according to the EPA's most recent GHG Reporting Program data (2016). The EPA data shows that out of 2,990 million metric tons of carbon dioxide equivalents (mmt CO2e) emitted by industrial facilities in the U.S., only 6.2 mmt CO2e — or 0.2 percent — is emitted by electronics manufacturers, including semiconductor manufacturers. Most of the industry's emissions are associated with the use of fluorinated gases (F-gases) used in complex manufacturing processes, without which advanced semiconductor manufacturing is not technically feasible.

Although the industry contributes only a very small amount of GHG emissions, SIA and its members have been engaged in ongoing efforts to reduce these emissions.

Under a Memorandum of Understanding (MOU) with EPA, SIA members voluntarily reported on their emissions of PFCs, a category of GHGs. Under this agreement, SIA members reduced their collective absolute US emissions of F-gases by more than 35% since 1995; and down 50% from their peak in 1999. SIA and its members have participated in the efforts of the World Semiconductor Council (WSC) to reduce emissions of PFCs. The global industry committed to a 10 percent reduction from a baseline year, and in 2011 the industry announced that it far surpassed this goal and achieved a reduction of 32 percent in absolute emissions. To build on this success, the global industry is implementing a new 10-year reduction goal.

Currently, our stance is in line with the position of the SIA. Support of all published publications and SIA stances on climate-related activities (found at <https://www.semiconductors.org/policies/environment-health-safety/>) is updated annually. We have yet to find strong opposition to the organization's positions and continue to support their efforts.

Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)

42000

Describe the aim of your organization's funding

We paid an annual membership fee of \$42,000.

Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?

No, we have not evaluated

Trade association

Other, please specify (World Semiconductor Trade Statistics (WSTS))

Is your organization's position on climate change policy consistent with theirs?

Consistent

Has your organization attempted to influence their position in the reporting year?

No, we did not attempt to influence their position

Describe how your organization's position is consistent with or differs from the trade association's position, and any actions taken to influence their position

Currently, our stance on environmental sustainability is in line with the position of the WSTS. WSTS serves as the principal source of data used in SIA's advocacy efforts. As stated above, the SIA is an acknowledged global leader in promoting environmental sustainability. Regional semiconductor associations advocate on behalf of their local and regional semiconductor companies and support these companies' needs and interests. They interact with government officials, trade and partner associations, the academic research community, and important industry stakeholders. They represent the semiconductor industry in areas such as tax, export controls, research & technology funding, intellectual property rights, environmental sustainability, and worker safety.

Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)

10800

Describe the aim of your organization's funding

We paid an annual membership fee of \$10,800.

Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?

No, we have not evaluated

C12.4

(C12.4) Have you published information about your organization’s response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Publication

In voluntary communications

Status

Underway – previous year attached

Attach the document

ESG website (C12).PNG

Page/Section reference

In the reporting period, we updated our Corporate Responsibility section on our website to an ESG format, and this website will periodically be updated.

Content elements

- Governance
- Strategy
- Other, please specify

Comment

We've included the following Environmental policies and Supply Chain codes of conduct: Environmental Policy, Climate Change Policy, Water Policy, Supplier Code of Conduct and Vendor Code of Conduct.

Publication

In voluntary sustainability report

Status

Underway – this is our first year

Attach the document

ESG Report cover (C12.4).PNG

Page/Section reference

In Q2 FY24, we plan to publish our inaugural ESG report.

Content elements

- Governance
- Strategy
- Emissions figures
- Emission targets

Comment

In Q2 FY24, we plan to publish our inaugural ESG report. We plan to include the elements listed above in the full ESG report, but the scope of the report and elements included could change as we continue to advance this project.

Publication

Other, please specify (United States Securities and Exchange Commission Washington, D.C. 20549 Form 10-K)

Status

Complete

Attach the document

Allegro FY23 Annual Report FINAL 6-19-23.pdf

Page/Section reference

Page 20, Item 1A. Risk Factors

Content elements

- Governance
- Strategy
- Risks & opportunities

Comment

Reports furnished or filed with the U.S. Securities and Exchange Commission contain disclosures about the Company’s material risks related to climate change.

C12.5

(C12.5) Indicate the collaborative frameworks, initiatives and/or commitments related to environmental issues for which you are a signatory/member.

	Environmental collaborative framework, initiative and/or commitment	Describe your organization’s role within each framework, initiative and/or commitment
Row 1	We are not a signatory/member of any collaborative framework, initiative and/or commitment related to environmental issues	<Not Applicable>

C15. Biodiversity

C15.1

(C15.1) Is there board-level oversight and/or executive management-level responsibility for biodiversity-related issues within your organization?

	Board-level oversight and/or executive management-level responsibility for biodiversity-related issues	Description of oversight and objectives relating to biodiversity	Scope of board-level oversight
Row 1	Please select	<Not Applicable>	<Not Applicable>

C15.2

(C15.2) Has your organization made a public commitment and/or endorsed any initiatives related to biodiversity?

	Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity	Biodiversity-related public commitments	Initiatives endorsed
Row 1	Please select	<Not Applicable>	<Not Applicable>

C15.3

(C15.3) Does your organization assess the impacts and dependencies of its value chain on biodiversity?

Impacts on biodiversity

Indicate whether your organization undertakes this type of assessment

Value chain stage(s) covered

<Not Applicable>

Portfolio activity

<Not Applicable>

Tools and methods to assess impacts and/or dependencies on biodiversity

<Not Applicable>

Please explain how the tools and methods are implemented and provide an indication of the associated outcome(s)

<Not Applicable>

Dependencies on biodiversity

Indicate whether your organization undertakes this type of assessment

Value chain stage(s) covered

<Not Applicable>

Portfolio activity

<Not Applicable>

Tools and methods to assess impacts and/or dependencies on biodiversity

<Not Applicable>

Please explain how the tools and methods are implemented and provide an indication of the associated outcome(s)

<Not Applicable>

C15.4

(C15.4) Does your organization have activities located in or near to biodiversity- sensitive areas in the reporting year?

C15.5

(C15.5) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

	Have you taken any actions in the reporting period to progress your biodiversity-related commitments?	Type of action taken to progress biodiversity- related commitments
Row 1	Please select	<Not Applicable>

C15.6

(C15.6) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?	Indicators used to monitor biodiversity performance
Row 1	Please select	Please select

C15.7

(C15.7) Have you published information about your organization's response to biodiversity-related issues for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Report type	Content elements	Attach the document and indicate where in the document the relevant biodiversity information is located
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C16. Signoff

C-FI

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

C16.1

(C16.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	Senior Vice President, General Counsel and Corporate Secretary	Other C-Suite Officer

SC. Supply chain module

SC0.0

(SC0.0) If you would like to do so, please provide a separate introduction to this module.

SC0.1

(SC0.1) What is your company's annual revenue for the stated reporting period?

	Annual Revenue
Row 1	

SC1.1

(SC1.1) Allocate your emissions to your customers listed below according to the goods or services you have sold them in this reporting period.

SC1.2

(SC1.2) Where published information has been used in completing SC1.1, please provide a reference(s).

SC1.3

(SC1.3) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?

Allocation challenges	Please explain what would help you overcome these challenges
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SC1.4

(SC1.4) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

SC2.1

(SC2.1) Please propose any mutually beneficial climate-related projects you could collaborate on with specific CDP Supply Chain members.

SC2.2

(SC2.2) Have requests or initiatives by CDP Supply Chain members prompted your organization to take organizational-level emissions reduction initiatives?

SC4.1

(SC4.1) Are you providing product level data for your organization's goods or services?

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

Please confirm below

I have read and accept the applicable Terms