



Greenhouse Gas Emissions

Ingram Micro is a global leader in technology and supply chain services and plays an integral role in a global supply chain that moves technology products from manufacturers to end customers. Across our lines of business, we employ approximately 28,000 associates, ship approximately 1.5 billion units per year, represent more than 1,500 vendors and serve more than 170,000 customers in approximately 200 countries.

Climate change is one of the biggest and most urgent challenges of our generation. Human activities, like the burning of fossil fuels, have increased the concentration of heat-trapping greenhouse gases (GHGs) in the Earth's atmosphere and we are experiencing the impacts across the globe. Climate scientists agree that this increase in emissions has caused the global average temperature to rise by 1.0°C above pre-industrial levels. In 2018, the Intergovernmental Panel on Climate Change (IPCC) warned that we must not exceed a rise in temperature of 1.5°C, or the impacts will be catastrophic. In the latest installment of their comprehensive report on climate science, the IPCC has warned that our window for limiting global heating is becoming smaller and that fundamental changes are needed across all industry sectors.

We recognize the need for urgent collective and transformative action on the part of governments and organizations like ours, and are working to minimize the environmental impacts of our global operations to reduce GHG emissions and our planetary impact.

In 2022, we launched a dedicated environmental sustainability program, called **IngramMicroPlanetary**, that will help us redouble our efforts to minimize our environmental impact and reduce our Scope 1, 2 and 3 emissions. We have also initiated our *10 to Zero* initiative, where we have set the goal of achieving net-zero emissions by 2030. We are committed to quantifying the GHG emissions attributed to our direct and indirect activities so that we can identify opportunities for deliberate action and set ambitious, science-based goals to minimize and mitigate our emissions impact.



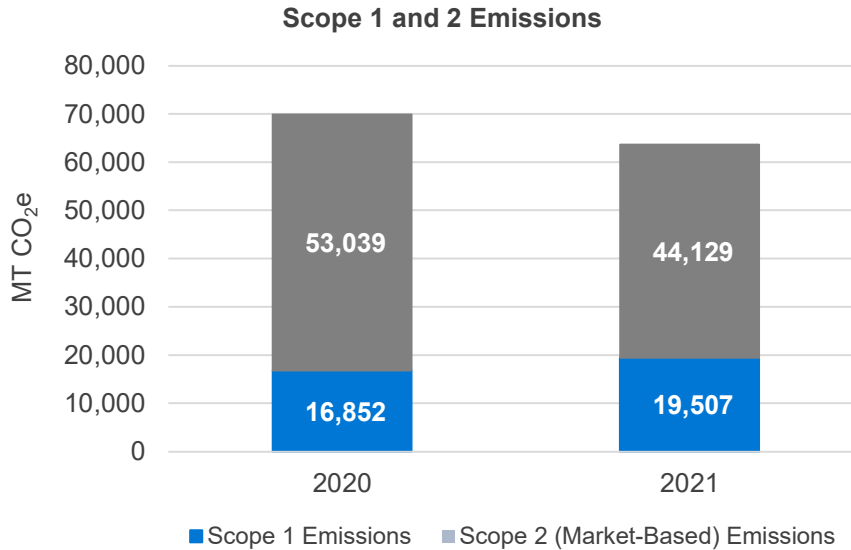
Our Strategy

Historically, we have tracked and reported the Scope 1 and 2 emissions resulting from our operations. In 2021, we reduced Scope 1 and Scope 2 emissions by 8.9%. In total, we have reduced Scope 1 and Scope 2 emissions by 19.2% since 2016.

In the past we also tracked and reported select categories of Scope 3 emissions, including business air travel, waste generation, electricity transportation, and distribution losses and energy consumed in third-party data centers. In 2021, we began developing a complete Scope 3 emissions inventory and will continue to track and report all relevant Scope 3 emissions.

Scope 1

Many of our sites use diesel fuel to power mechanical equipment and generators, diesel and gasoline to fuel company-owned and leased vehicles, and propane in generators. A number of our sites also use natural gas for heating, which makes up the majority of our Scope 1 use.



In 2021, our Scope 1 emissions were 19,507 MT of CO₂e, an increase from 16,852 MT CO₂e in 2020. We plan to reduce our use of natural gas through energy efficiency investments and technologies that will help us monitor our usage and address inefficiencies at each facility. We will also be leveraging our Global Renewable Energy Roadmap to transition our facilities away from the use of natural gas by procuring renewable alternatives. Additionally, we are looking into fleet electrification to reduce our fuel usage in company-owned and leased vehicles.

Scope 2

Our Scope 2 emissions are the result of electricity consumption in our offices, warehouses, and distribution centers. In 2021, our Scope 2 emissions were 44,129 MT of CO₂e, a decrease from 53,039 MT of CO₂e in 2020. We attribute the decrease in Scope 2 emissions to several factors, including but not limited to work-from-home policies, optimization of warehouse and office global footprints, and energy efficiency upgrades. We also converted six sites in North America (NA) and Europe, Middle East and Africa (EMEA) regions to 100% renewable energy supply contracts.

We are committed to continuing to reduce our Scope 2 emissions by using energy more efficiently and by increasing our procurement of renewable energy across our global facilities.

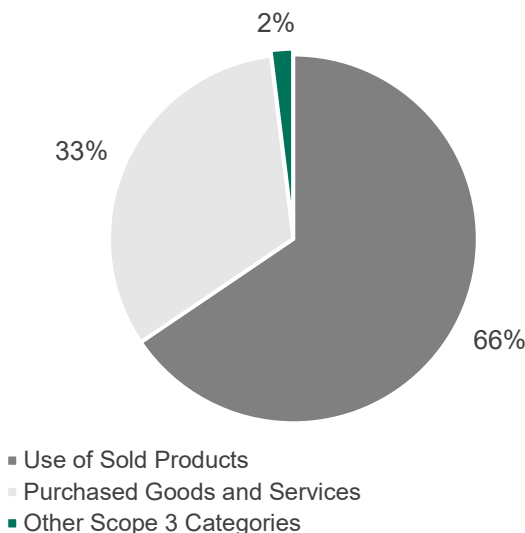
[Learn more](#) about our renewable energy strategy.

Scope 3

In 2021, we prepared our first complete Scope 3 inventory for our global operations. Based on our calculations, our Scope 3 emissions make up over 99% of our entire GHG inventory, with the majority (66%) coming from Category 11, Use of Sold Products. We are continuing to make progress on current strategies and initiatives and working to identify new opportunities within each material category so that we can reduce our Scope 3 emissions.

Additionally, we will continue improving the completeness and accuracy of our Scope 3 inventory. To accomplish this, we will increase collaboration with internal stakeholders and data owners and streamline our data collection processes in order to minimize, to the extent possible, the need for assumptions and extrapolation due to incomplete data. We will also continue to focus on the categories where we have direct impact to drive change.

Scope 3 GHG Emissions



Scope 3 Category	Emissions (MT CO2e/Year)	Percentage of Total Scope 3
11 Use of Sold Products	38,613,216	66%
1 Purchased Goods and Services	19,163,909	33%
4 Upstream Transportation and Distribution	445,874	1%
9 Downstream Transportation and Distribution	387,934	1%
12 End-of-Life Treatment of Sold Products	213,567	<1%
2 Capital Goods	39,011	<1%
7 Employee Commuting	36,938	<1%
5 Waste Generated in Operations	13,165	<1%
3 Fuel- and Energy-Related Activities	8,179	<1%
6 Business Travel	1,702	<1%

Use of Sold Products and Purchased Goods and Services

Use of Sold Products and Purchased Goods and Services make up 66% and 33% of our Scope 3 inventory, respectively. As a distributor of products, these categories also represent areas where we have the least amount of direct impact because these emissions are the result of production activities, and material and resource use due to product design and functionality.

We are working with our supply chain partners to better understand the emissions associated with each lifecycle stage of the products we sell and distribute so that we can more accurately factor this information into our inventory calculations.

Upstream and Downstream Transportation and Distribution

Upstream and Downstream Transportation and Distribution represent the next largest categories of impact, with each category making up approximately 1% of our total Scope 3 inventory. However, unlike Use of Sold Products and Purchased Goods and Services, we have more direct control over decisions made about our transportation activities and better visibility into the impacts of these activities.

Optimization of product purchasing, efficient product movement, the selection of optimal modes of transportation and freight consolidation optimization are important factors in reducing the emissions associated with both inbound and outbound transportation. To achieve this, we have implemented key strategies to help us collaborate more effectively with our freight partners, vendors, Ingram Micro supply chain teams and customers to plan, consolidate and build more efficient shipments and gain deeper insight into transportation data.

[Learn more](#) about our transportation strategy.

End-of-Life Treatment of Sold Products

There are environmental impacts associated with end-of-life treatment of the products we sell and distribute, as well as the secondary packaging used to transport these products, and we are responsible for the emissions generated by disposal activities. To reduce our impact in this category, it is important that we first optimize our product assortment and planning activities, minimize the use of excess packaging materials, and provide customers with information and solutions for the proper handling of their technology devices and related packaging at end-of-life stage.

Read about our [e-waste](#) and [packaging](#) strategies to learn more about how we are working to reduce our impact.

Employee Commuting

In 2021, we revised our work-from-home policy, which began in 2020 due to the COVID-19 pandemic, and implemented hybrid working days for associates across our U.S. facilities, as well as a few facilities internationally. In doing so, we have helped our associates significantly reduce the amount of time spent commuting and the associated environmental impacts. In conjunction with this approach, we continue to explore opportunities to optimize our global real estate footprint.

Waste Generated in Operations

Our global operations generate nonhazardous waste and a relatively small amount of hazardous waste. We are continuously working to reduce the amount of waste we generate while also improving the volume of waste diverted from landfills. We have implemented strategies across key business areas and practices that generate both hazardous and non-hazardous waste, including packaging, warehouse and office operations, facility maintenance, special events, and facility upgrades and renovations. As we continue to improve and expand these strategies, we expect to reduce the environmental impacts and emissions associated with the waste we generate.

[Learn more](#)

Fuel- and Energy-Related Activities

In addition to the emissions generated from the use of energy and fuels in our facilities, equipment, and company-owned and leased vehicles (part of Scope 1 and Scope 2 inventories), there are also emissions associated with the extraction, production, and transportation of fuels.

[Learn more](#) about our efforts to use energy more efficiently in our facilities, to increase our procurement of renewable energy through retail markets and power purchase agreements (PPAs), and to electrify our fleet of owned and leased vehicles and in turn, reduce our emissions.

Business Travel

We partner with preferred airlines based on their ability to meet our travel requirements (e.g., city pairings) in a cost-effective way. Although business travel represents our smallest category of impact, we are committed to reducing this impact by incorporating environmental sustainability and other ESG criteria in our request for proposal (RFP) and request for information (RFI) processes.

Climate Change Questionnaire	
Reporting Year	Score
2016	C
2017	C
2018	C
2019	C
2020	C
2021	B-

CDP

We have submitted a Climate Change questionnaire to CDP (formerly the Carbon Disclosure Project) each year since 2016. From 2016 to 2020, we scored a C for our program, but in 2021 we improved to a B-. As we continue to improve our performance in the area of climate change awareness and action, we expect our score will improve in the future.

[Learn more](#) about our CDP report.

Science Based Target Initiative (SBTi)

To limit global warming to 1.5°C, the IPCC recommends a 45% reduction in net carbon dioxide (CO₂) emissions caused by human activities by 2030, and net zero emissions by 2050. Given the

gravity of the climate crisis, we believe organizations that can exceed this goal should take steps to do so. We have challenged ourselves to do just that by launching our *10 to Zero* initiative and setting a target to achieve net-zero emissions by 2030. Our goal is to transition to a net-zero business model as quickly as possible, so that we can position ourselves to become a carbon negative, climate positive and regenerative business.

Ingram Micro has committed to set near-term company-wide emission reductions in line with climate science with the SBTi, a global body enabling businesses to set ambitious emissions reductions targets in line with the latest climate science. It is focused on accelerating companies across the world to halve emissions before 2030 and achieve net-zero emissions before 2050.

Last updated July 5, 2022

[Learn more about environmental sustainability at Ingram Micro](#)