



Act with purpose for a better world



2024
GLOBAL IMPACT REPORT





Lam Research 2024 Global Impact Report Highlights



CREATING SUSTAINABLE IMPACT

Semiconductors are transforming the world in remarkable ways. This transformation brings with it new risks and opportunities. Lam strives to anchor our business in principles that underpin our role as a keystone of progress in the semiconductor ecosystem.

We believe operating with sustainability in mind helps us better serve our customers and strengthens our organization, driving us to effectively manage and mitigate risks; deepen our values-based culture; and prioritize collaboration, innovation, and efficiency.

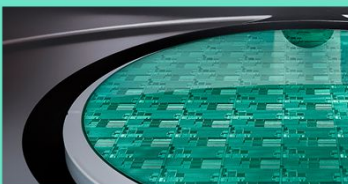


Product Sustainability & Innovation

DESIGNING FOR EFFICIENCY AND EMISSIONS REDUCTION INNOVATING IN SERVICE OF OUR CUSTOMERS

Goal: Reduce scope 3 emissions from use of sold products 63.8% per USD value added by 2034 from a 2022 base year.

- **DirectDrive:** 10%+ energy savings with higher precision.¹
- **Cryo 3.0:** ~40% less energy per wafer, ~90% emissions cut.²
- **Semiverse® Solutions:** 80% emissions reduction via digital simulation.³



Innovating with sustainability in mind throughout product design processes.



Environmental stewardship integrated in our operations

CONSERVING RESOURCES, ADVANCING RENEWABLES

Goal: Achieve 80 million gallons of water savings in water-stressed regions in 2025 (from a 2019 baseline).

Goal: Reduce Scope 1 and 2 GHG emissions by 25% by 2025 and 46.2% by 2030 (from a 2019 baseline).

- 80M gallons of cumulative water saved since 2019. Meeting 2025 goal a year ahead.⁴
- 55% renewable electricity was sourced in 2024. On pace to meet goal of 100% by 2030. ⁵



Lam is building resilience through resource-conscious operations.

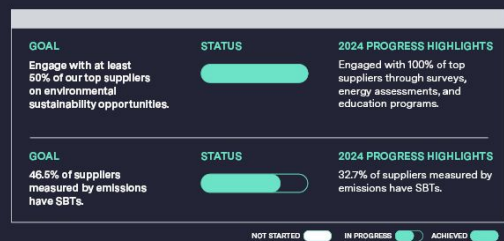


Supply Chain & Scope 3 Emissions

PARTNERING FOR UPSTREAM IMPACT

Goal: Working to ensure at least 46.5% of our suppliers set SBTi targets by 2025, addressing upstream emissions from purchased goods and services.

- On track to have 46.5% of suppliers to set science-based targets by 2025.⁶
- Achieved more than 90% compliance with our social and environmental expectations across our top suppliers.⁷



Driving impactful sustainability-centric change beyond Lam's walls.



Social Impact & Employee Engagement

EMPOWERING PEOPLE, STRENGTHENING COMMUNITIES

Goal: Increase annual unique participation rate in all employee giving programs from 10% to 30% and contribute 40K employee volunteer hours annually by 2025.

- 2,400 volunteers, a record high of 32,000 hours, 2,500+ charities.
- \$7M donated via Lam Foundation, \$1.2M in matching gifts.⁸
- Employee participation doubled to 22%. Goal is 30% in 2025.⁹



Global impact driven by our employees.

Notes:

Product Sustainability & Innovation

1. DirectDrive® plasma source, the industry's first solid-state radio frequency generator, which reduces energy use by more than 10% compared to older models, while also achieving higher precision and reliability.
2. Lam Cryo™ 3.0, delivers a projected 40% reduction in energy consumption per wafer while cutting process gas emissions by approximately 90%.
 - Estimated emissions reduction calculated using Intergovernmental Panel on Climate Change (IPCC) guidelines for greenhouse gas inventories. The estimated reduction has not been independently verified.
3. Virtual twin technology, which reduces emissions from physical experimentation by as much as 80% in some projects with digital simulation.

Environmental stewardship integrated in our operations

4. Achieved 80.6 million gallons of water savings from a 2019 baseline, one year ahead of schedule, including 14.7 million gallons in 2024.
5. Lam is more than halfway to reaching our goal of 100% renewable electricity across our global sites by the end of this decade. By the end of 2024, our sites that use 100% renewable electricity were: Tualatin, OR, Fremont, CA, Livermore, CA, Eaton, OH, Springfield, OH, China, India, Malaysia, Salzburg, Austria, Villach, Austria.

Supply Chain & Scope 3 Emissions

6. Lam's goal is for 46.5% of suppliers (by emissions) to set SBTs by the end of 2025. By the end of 2024, 32.7% of suppliers had done so.
7. Top suppliers are defined as the top 100 direct suppliers, which account for approximately 91% of direct spend and 90% of direct supplier emissions, with some variability year-over-year. Direct suppliers are defined as those who provide parts, assemblies, and services to produce parts used to manufacture and support Lam's products. Indirect suppliers are all other goods and services used by Lam's daily operations that are not parts, assemblies, or services directly tied to producing parts used to manufacture or support Lam's products.

Social Impact & Employee Engagement

8. \$7M donated by the Lam Foundation, including \$1.26M in corporate matching gift.
9. Goal to increase annual unique participation rate in all employees giving programs from 10% to 30% by end of 2025.

About *Lam*

LAM IS HEADQUARTERED IN FREMONT, CALIFORNIA, WITH:

14

primary locations
worldwide

12

manufacturing
facilities

7

labs dedicated to R&D

LAM AROUND THE WORLD



Lam's Core Values

Our mission is to drive semiconductor breakthroughs that define the next generation. To accomplish this, we focus on nine Core Values that shape our global culture and guide our day-to-day business approach:



Achievement



Agility



Honesty and
integrity



Inclusion and
diversity



Innovation and
continuous
improvement



Mutual trust
and respect



Open
communication



Ownership and
accountability



Teamwork

REDUCING ENVIRONMENTAL IMPACTS THROUGHOUT THE PRODUCT LIFECYCLE



DESIGN AND DEVELOPMENT

- Semiverse® Solutions
- Sustainability requirements in product design phase
- Fourier Transform Infrared (FTIR) spectroscopy
- Equipment Intelligence® ECO sensors



MANUFACTURING

- Reducing energy use, water use, and waste generation in our facilities



UPSTREAM DISTRIBUTION

- Co-locating warehouses and manufacturing
- Optimizing distribution logistics
- Implementing energy efficiency in warehouses



DOWNSTREAM DISTRIBUTION

- Moving operations closer to customers

REDUCING ENVIRONMENTAL IMPACTS THROUGHOUT THE PRODUCT LIFECYCLE



USE

- Controlling peripherals via ECO Mode
- Improving thermal management
- Increasing component energy efficiency
- Identifying low-GWP gas alternatives
- Increasing throughput

Lifetime extension:

- Enhanced customer knowledge and technical expertise of our tools
- Customized service and software solutions
- High-quality, low-defect consumable and nonconsumable spare parts
- Dextro™ cobot
- Technology and productivity upgrades



REUSE

- Refurbishing customers' obsolete tools into new tools
- Cleaning and reusing spare parts and refurbishing key components such as electrostatic chucks



READ MORE

www.lamresearch.com/global-impact-report

