



SEMICON Europa 2022

Net Zero: A Call to Action for the Semiconductor Industry

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The World Runs On Semiconductors

What We Do is More Important, and More Noticed, Than Ever

A large, stylized clock face is the central element, with its hands pointing towards the top-left. The clock face is composed of concentric circles and radial lines, some of which are glowing. The background is a deep blue with a digital, circuit-like pattern. A bright, multi-colored light burst emanates from the center of the clock, with rays of light in shades of yellow, orange, green, and blue. Two smaller, semi-transparent clock faces are visible: one on the left and one at the bottom. The overall aesthetic is high-tech and futuristic.

The Past and
Present
Shape our
Future

Intel's Global Presence



Oregon

Arizona

New Mexico

Ohio

Costa Rica

Ireland

Germany

Israel

Chengdu

Vietnam

Malaysia

Intel
Worldwide
Headquarters
Santa Clara, California

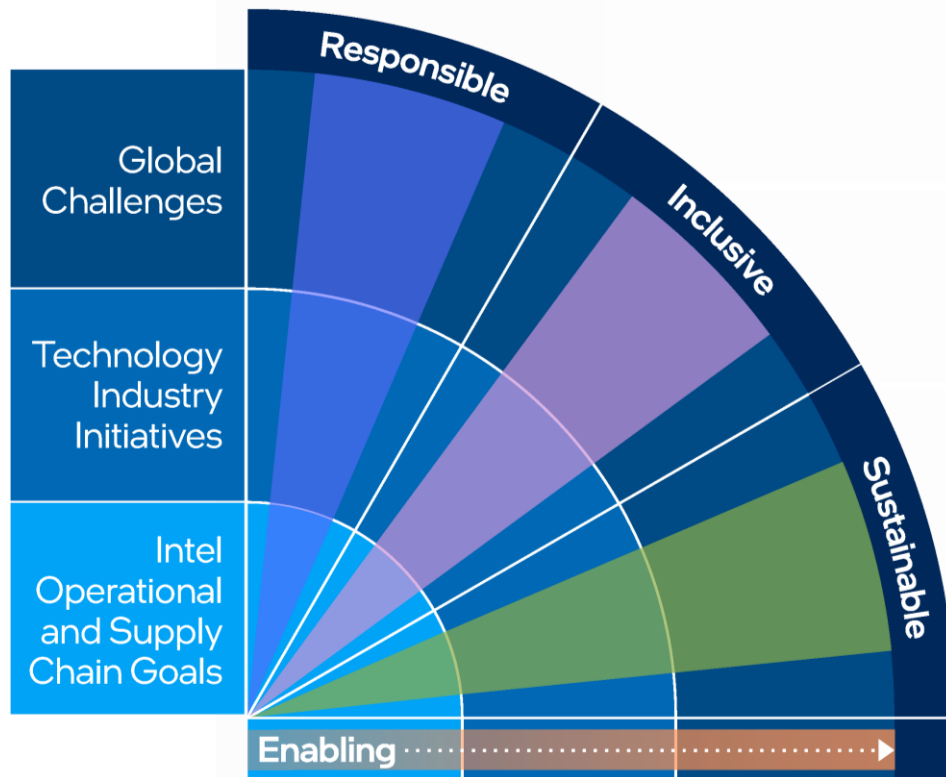
Geographically Diverse Manufacturing Capacity

■ Wafer Fabs

■ Assembly and Test

■ Future Site

Technology for Global Impact



Responsible

Revolutionize how technology will help improve health and safety

Inclusive

Make technology fully inclusive and expand digital readiness

Sustainable

Achieve carbon-neutral computing to address climate change

Enabling

Accelerate the ways we enable progress through our technology and the expertise and passion of our employees



Committed to raising the bar to create long-term value for Intel and our stakeholders

Our Renewed Commitment to Address Climate Change

Achieve
Net Zero
Greenhouse Gas
Emissions¹ In Our
Global Operations
By 2040



- 100% renewable electricity
- \$300 million investment to conserve 4 billion kilowatt-hours of electricity
- New factories and buildings built to U.S. Green Building Council® LEED® program standards



- Reduce operational GHG emissions to “net zero” by:
- Optimizing existing & develop new gas abatement
 - Launching cross-industry green chemistry R&D initiative
 - Removal credits or offsets only after other options are exhausted

**Working with Customers and Industry Partners to Create Solutions
That Lower the Footprint of the Entire Technology Ecosystem**

Intel Operations

In 2021, Achieved

80%

Green Power
Globally

100%

In US & Europe

Since 2020

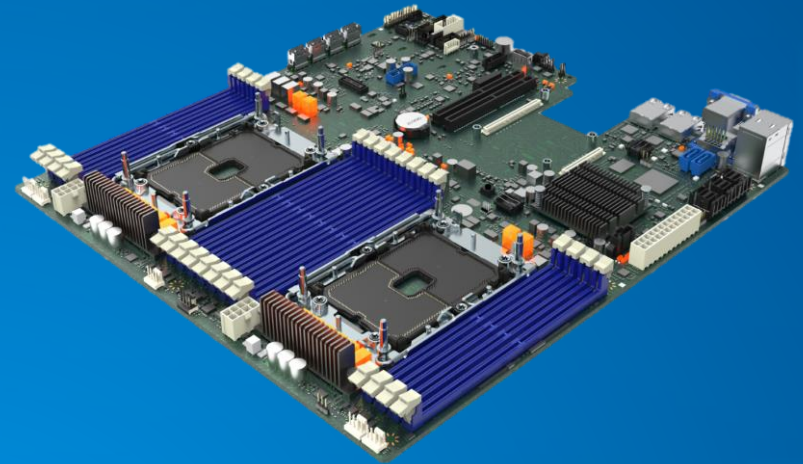
~486M

kWh

Conserved

Intel Systems and Platform: Low-Carbon Designs

- Commitment to 30% carbon footprint reduction in PC Client reference designs by 2030
- Through innovation in layout, selection and modularity of all internal components, Intel is enabling the reduction of the size of main printed circuit boards
- Continued increases in system energy efficiency and display efficiency to significantly reduce overall power consumption



Intel's Supply Chain Responsibility Programs

Environmental Footprint



Minimizing environmental impact.

Code of Conduct & Human Rights



Ensuring the human rights of all workers in our supply chain.

Responsible Mineral Sourcing



Going beyond conflict minerals to include standards for all.

Supplier Diversity & Inclusion



Committing and partnering with diverse businesses.

Sustainable Chemistry



Ensuring chemical compliance & driving safer alternatives.



Supply Chain Responsibility

Collaborating with Intel's world class supply chain to drive upstream GHGs 30% lower by 2030 than they would be in the absence of action

Leading the way with our Chemical Footprint program to lower impact and provide a lower total cost of ownership



Industry Shared Challenges and Opportunities

Collaborative Actions to Consistently Identify Contributors to & Reductions In Scope 3 GHG & Carbon Emissions

Partner On Reducing Water, Reducing Energy Use, Increasing Renewable Energy, and Implementing Green Chemistry Solutions

Facilities & Equipment: Reduce, Reuse, Recycle, and Replace

Technology: Low-energy Compute Architectures & Techniques





intel®