



A pathway to e-waste management

EuroTeQ Waste Challenge

Youlim Son (Infineon Technologies AG)
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Infineon is a globally leading semiconductor player



top 10
semiconductor company

~50,280
employees¹

leading player
in automotive, power management energy
efficient technologies and the IoT

9%+ | 19% | 13%
target operating model²

¹ as of 30 September 2021
² over the cycle: 9%+ revenue growth; 19% Segment Result Margin; investment-to-sales ratio of 13%; targets to be approached as Cypress integration progresses

Megatrends, growth areas and growth drivers open up opportunities for semiconductor companies

Megatrends



Demographic and social change



Climate change and scarce resources



Urbanization



Digital transformation

Electrification, Digitalization

Growth areas

Energy efficiency

Mobility

Security

IoT and big data

Growth drivers

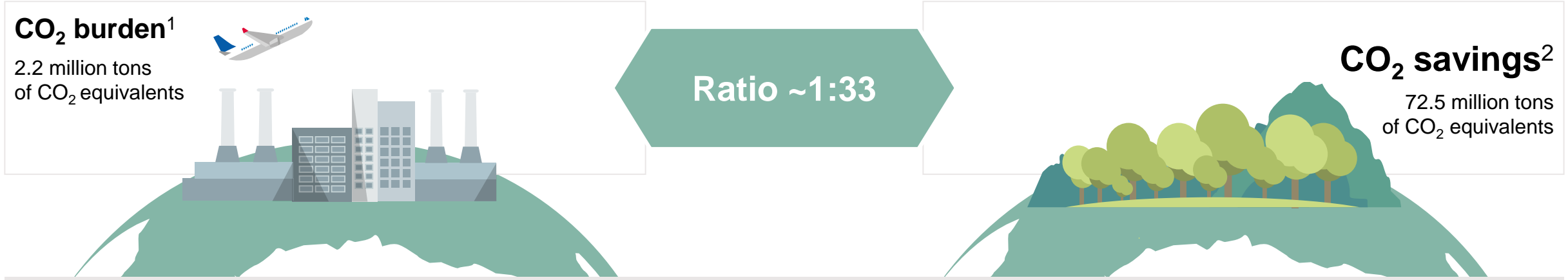
- › Power generation from renewable energy sources
- › Energy transmission and distribution
- › Energy storage
- › Energy usage

- › Electromobility
- › Charging infrastructure for electromobility
- › Automated driving
- › Passenger and freight transport
- › Infotainment

- › Mobile devices
- › Authentication for the IoT
- › Smart cards
- › Industrial applications
- › Connected vehicles
- › Integrity of devices

- › Human-machine-interaction
- › Consumer IoT
- › Industrial IoT
- › Data and communication infrastructure
- › Edge computing

We contribute a net CO₂ reduction of more than 70 million tons



Net ecological benefit: CO₂ emissions reduction of more than 70 million tons



Infineon is excellent in resource efficiency
 We are committed to CO₂ neutrality by 2030
 Our CO₂-saving applications are high-growth, we are part of the solution!
The ~1:33 ratio is expected to further improve in the coming years



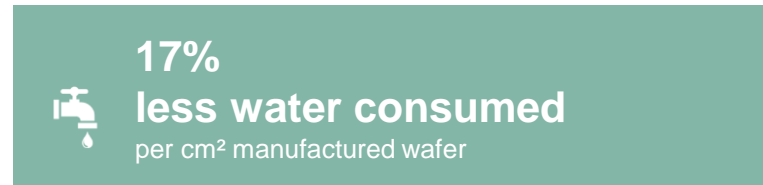
¹ | ² For explanatory notes see “ESG footnotes” in the appendix.
 Note: Compared to the last fiscal year, the increase in CO₂ burden can be mainly explained by the inclusion of the data from Cypress

Infineon is excellent in resource efficiency and committed to CO₂ neutrality – sustainability is in our DNA



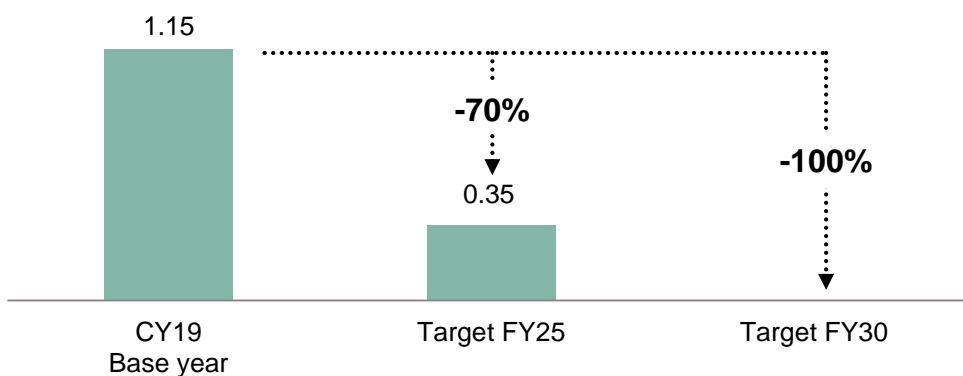
Infineon ranks among the 10 percent most sustainable companies in the world¹

In CY20, we used resources in our manufacturing processes much more efficiently than the global average of the semiconductor industry:



Infineon's CO₂ target² by 2025 and 2030

Net CO₂ emissions in million tons of CO₂ equivalents²



- 1 Avoiding direct emissions and further reducing energy consumption
- 2 Purchasing green electricity with guarantees of origin
- 3 Compensate the smallest part by certificates that combine development support and CO₂ abatement

¹ Based on the results of *The Sustainability Yearbook 2022* by S&P Global in cooperation with RobecoSam | ² Related to Scope 1 and 2 emissions

A close-up, top-down view of a large pile of electronic waste. The components are densely packed and include various types of capacitors (some cylindrical, some rectangular), resistors, integrated circuits, and other small electronic parts. The colors are diverse, with many blue, green, and yellow capacitors, and various shades of black, grey, and silver for other components. The background is a solid green color.

Electronic waste or e-waste

Is the fastest growing waste stream

Picture Source: <https://hej-support.org/why-does-the-issue-of-e-waste-continue-to-be-a-global-challenge-despite-international-efforts-to-address-it/>

Key Challenge Questions



- › How are e-wastes managed at the moment?



- › How can the e-wastes be reused or recycled efficiently with technologies using semiconductors?



- › What are the strengths, weaknesses, opportunities, and threats of the e-waste management system you suggested and how can the risks be managed?



- › What are the environmental, social, and governmental implications of your e-waste management?

In the tsunami of electronic waste, our e-waste management system will bring our society...



UN Sustainable Development Goals (SDGs)

- › GOAL 3: Good Health and Well-being
- › GOAL 6: Clean Water and Sanitation
- › GOAL 8: Decent Work and Economic Growth
- › GOAL 9: Industry, Innovation and Infrastructure
- › GOAL 11: Sustainable Cities and Communities
- › GOAL 12: Responsible Consumption and Production
- › GOAL 14: Life Below Water
- › GOAL 15: Life On Land

14 October is International E-Waste Day

Give your electrical appliances a second life!





Part of your life. Part of tomorrow.