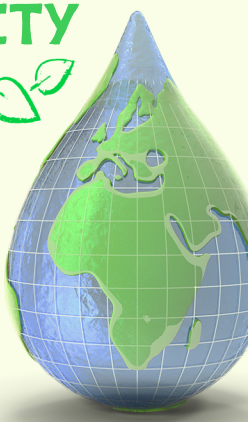
Achieve SUSTAINABILITY GOALS



Sustainability and decarbonization are becoming more urgent due to:

Rapid industry growth
Increasing greenhouse gas (GHG) emissions, energy, and water consumption

Intensifying scrutiny
Customers, employees, regulators and investors all demand visibility

Nature of the industry
An inherently energy and water-intensive industry is increasing due to growth and advancing technologies

Did you know?

Large semiconductor fabs use as much as 100 megawatt-hours of power each hour.

A large fab's water usage can exceed that of 300,000 households

According to a study published in Water Cycle, the semiconductor industry consumed **149 BILLION KWH** in 2021 - enough to power metropolis of over 25 million people for a year.

How can we transform sustainability challenges into a business opportunity?

Adaptation

Minimising vulnerability to the impact of climate change

- Identify risks and opportunities
- Assess exposure, vulnerabilities, and potential impact
- Plan for resilience

Decarbonization

Reducing the release of GHGs and enhancing reservoirs and sinks

Decarbonization strategy

Schneider Electric recommends addressing all three scopes of emissions, from direct, owned GHG emissions, to ones that indirectly impact the value chain.

1 Strategize

- Establish carbon goals
- Measure baselines
- Create a roadmap
- Structure the program and communicate commitment to it

2 Digitize

- Monitor resource usage and emissions
- Reduce resource usage
- Report and benchmark progress

3 Decarbonize

Aim for net zero, 100% renewable energy, and optimized water usage:

- Electrify operations
- Reduce energy use
- Replace energy sources
- Engage the enterprise's value chain

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