

SIEMENS

Transforming Industries, Markets, and Lives

Established in Singapore in 1908, Siemens has created technology across a myriad of industries, from resource-efficient factories, resilient supply chains, and smarter buildings, to cleaner and more comfortable transportation and advanced healthcare. By combining real and digital worlds, Siemens not only transforms its customers' industries and markets, it also transforms the everyday lives of billions.



DEGREE: SIEMENS' SUSTAINABILITY FRAMEWORK

At Siemens, sustainable development is defined as the means to achieving profitable and long-term growth. Siemens' sustainability framework, DEGREE, represents five areas of commitment - Decarbonization, Ethics, Governance, Resource efficiency, Equity and Employability. DEGREE underlines the necessity to limit global warming to 1.5 degree Celsius and supports the Paris Climate Agreement.

Global and internal standards

Siemens aligns itself with the UN 2030 Agenda for Sustainable Development and the OECD Guidelines for Multinational Enterprises, and has a total of 14 sustainability targets. With DEGREE, Siemens sets strategic targets for all stakeholders to encourage them to drive sustainable growth and transform their industries.

By joining the Science Based Targets initiative (SBTi) Siemens commits to reporting its operational and value chain emissions. Aiming for a 20% emissions reduction by 2030, Siemens pledges to continue supporting its suppliers with digital tools such as Carbon Web Assessments to analyze their carbon footprint and reduce it efficiently.

RISING ABOVE PROFOUND CHALLENGES

Siemens is driven to address the world's most profound challenges by leveraging the convergence of digitalization and sustainability.

Global sustainability

In each region, Siemens has a Sustainability Officer who works with the Global Sustainability Department to define the sustainability strategy of Siemens and coordinate its climate neutrality programme.

The responsibility of implementing sustainability rests on the CEOs of various countries. This responsibility includes strategically taking sustainability aspects, climate change and Siemens' DEGREE framework into account along the value chain for all its business activities.

Employee education

All employees have to go through Siemens' Business Conduct Guidelines training to ensure ethical and responsible decision-making in the interest of all stakeholders. This encompasses high standards in environmental and social management throughout the value chain.

TECHNOLOGY WITH PURPOSE

Siemens believes in "Technology with Purpose" - new resource-conserving technologies that can generate growth for societies.

Research and development

Siemens has spent 4.9 billion on research and development (R&D), including the hiring of 44,900 employees for R&D. With over 43,000 patents granted, Siemens' R&D intensity is at 7.8%.

Setting up innovation networks

Siemens' global venture unit, Next47, provides capital to help start-ups accelerate revenue growth and open doors for global customers. The company is also addressing today's technological and entrepreneurial challenges with academia and other external innovation players..

Digital transformations

Global digitalisation harbours greater risks if the world stays unprepared. Charter of Trust, a joint initiative between Siemens



and companies worldwide, was established to promote a more secure digital world. Tapping on expert knowledge, Siemens will continue to develop digital applications for specific industries and drive existing core technologies. Its strong ecosystem of customers, partners and startups gives them a competitive edge in bringing customer-oriented innovations to the technology market.

COMMITTING TO BUILD A SUSTAINABLE VALUE CHAIN

Since sustainability affects every industry and market, any stakeholder involved in the decision-making process of an organisation is a relevant target audience for Siemens.

Siemens' Business Conduct Guidelines

In its Business Conduct Guidelines (BCGs), Siemens has established fundamental principles and rules of ethical conduct between itself and its stakeholders. Siemens' compliance system ensures that its business practices worldwide comply with these guidelines and follow applicable laws. The system is based on three pillars – prevent, detect, and respond – and covers the activity fields anti-corruption, anti-money laundering, antitrust, Collective Action, data privacy, export control, and human rights.

THE IMPACT OF A GLOBAL ENTITY

As a global entity, Siemens' large environmental impact is mainly generated from energy and land use, the emission of airborne pollutants and greenhouse gases, and the generation of solid and liquid waste.

Hence, its Environmental Portfolio is Siemens' biggest contribution to mitigating climate change. The portfolio has helped customers reduce CO2 emissions by 87.5 million metric tons in fiscal 2021. Siemens is also committed to conserving resources. The "R" for Resource Efficiency in its DEGREE framework indicates that an environmentally-conscious use of limited resources is integral to Siemens.

Financial wins

At Siemens, the creation of sustainable technology does not come at a financial loss. From FY2020 to FY2021, its total revenue has increased by 12.7%. The revenues generated on the Siemens Environmental Portfolio amounted to 19.1 billion in the past fiscal year accounting for 31% of its total revenues.

ADAPTING TO SINGAPORE

Rather than viewing Singapore from Siemens' perspective, Siemens looked internally from the perspective of Singapore

and its particular social, economic, and political circumstances.

SIEMENS X Singapore

Siemens has engaged in a number of project partnerships with Singapore entities, with notable ones such as:

- Using Siemens' building technologies to ensure energy-efficient operation of the green complex at the Marina Bay Financial Centre, reducing the annual energy bill by 22.5%
- First Aquaculture 4.0 closed-containment system for tropical fish built by Singapore Aquaculture Technologies (SAT) uses automation and IoT technologies from Siemens for efficient and secure operations

Contributions to the Singapore Green Plan 2030

Siemens' technical expertise, portfolio and experience aligns with the Singapore Green Plan 2030 as its building management systems can assist schools and buildings reduce carbon emission and become more energy efficient. Most recently, Siemens installed 105 electric vehicle chargers in DHL Express Singapore's service centres to support DHL's delivery fleet and help to eliminate a total of 323 tonnes of carbon emission yearly.



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