

Living Circular Economy

Connection between reuse - integrated waste management and "Zero waste packaging solutions"



Our DEGREE framework sets clear priorities for Sustainability at Siemens

Employability

enable our people to stay resilient and relevant in a permanently changing environment

Equity-

foster diversity, inclusion, and community development to create a sense of belonging

Resource efficiency

achieve circularity and dematerialization

Decarbonization

support the 1.5°C target to fight global warming

Ethics

foster a culture of trust, adhere to ethical standards and handle data with care

Governance

apply state-of-the-art systems for effective and responsible business conduct

Our DEGREE framework is substantiated with clear ambitions

Decarbonization	 Net zero operations by 2030 in line with SBTi pathway Net zero supply chain by 2050, 30% emissions reduction by 2030
Ethics	 Striving to train 100% of our people on Siemens' Business Conduct Guidelines every three years
Governance	 ESG secured supply chain based on supplier commitment to the Supplier Code of Conduct Long-term incentives based on ESG criteria¹
Resource efficiency	 Next-level robust eco-design for 100% of relevant Siemens product families by 2030 Natural resource decoupling through increased purchase of secondary materials for metals and resins Circularity through waste-to-landfill reduction of 50% by 2025 and towards zero landfill waste by 2030
Equity	 30% female share in Top Management by FY 25 Access to employee share plans: maintain high level and expand globally to 100%² Global commitment to the New Normal Working Model
Employability	 Double digital learning hours by 2025 Access to employee assistance program: maintain high level and expand globally to 100% by 2025 30% improvement in Siemens' globally aggregated LTIFR³ by 2025

1 Assessed on the basis of a Siemens internal ESG/Sustainability index, incl. Customer Net Promoter Score, CO₂ Reduction, Training Hours 2 Where legally possible and reasonable 3 LTIFR: Lost time injury frequency rate (of Siemens employees and temp. workers) baseline FY2020



Type of waste we handle in our reUse management





What:

• metals

- wood
- electronic waste
- IT hardware
- machines and devices
- office and business
 equipment
- packing materials
- plastics
- chemicals
- construction waste
- residual waste
- waste water



Who:

- Manufacturing plants
- Project business
- Real Estate
- IT



















ReUse – "Trash is Cash" - Cost situation waste disposal



Our experience is that at least 0.5-1% from our turnover of

our operating businesses will be thrown away

Benefit has always an direct impact on EBIT

Siemens Mobility Austria GmbH, 1110 Vienna



CoC – Metro, Light Rails Site Area: 174.556m² Building Floor Area: 102.857m² 2000 – 2500 Employees Production Sites Car Body, Surface, Assembling, Logistics, Commisioning and Offices Industrial Waste: ~ 30% Recyclabels: ~ 50% Hazardous Waste ~ 20% **Total Waste Volume: 1.856t / year**





Metals





Chemicals t

Ind.waste

"Zero waste packaging solutions"



Linear Thinking and Acting





ReThink – "Collaborative Packaging Solutions"

"Packaging Hierarchy"

- One-way packaging without any ecological specifications
- One-way packaging with eco-specification eg. recycling, biodegradable
- Packaging optimization with eco-specification for materials weights, sizes, thicknesses
- Multi-way load carriers designed only for one use case
- Multi-way modular reusable packaging system
- Multi-way load carriers modular with reuseable components
- Returnable packaging product specific manufacturer takes it back for reuse in his business
- Eco Design / CE optimized packaging material selection
- Product needs no further special packaging packaging criteria were already taken into account in the product





Multi Way Load Carrier – application and usage defines solution type

Foldable reusable container made of recycled and recyable plastics

Modular multi way load carrier made of steel with partially reusable components





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"Being less bad is not being good." William McDonough

