# Accelerating Sustainability

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Due to rounding, numbers presented throughout this and other documents may not add up precisely to the totals provided and percentages may not precisely reflect the absolute figures.



#### Based on a strong track record, Siemens is accelerating its sustainability approach



#### Strong track record in sustainability

Sustainability is embedded in Siemens' business activities; it's part of our portfolio, our operations, our governance – our DNA.

#### Sustainability equals business

Siemens' technology and innovation create opportunities and help our customers achieve their sustainability goals for a better future.

**DEGREE – our ambitious sustainability framework** Siemens is committing to – and will report on its progress toward – clear ESG priorities and ambitions in keeping with our "DEGREE" framework.



#### Siemens' strong track record in sustainability

# Committed



Setting targets

SBTi<sup>1</sup> 1.5°C target commitment building upon pioneering carbon-neutral program



#### **Following standards**

Supporting UN<sup>2</sup> Global Compact and other UN Principles and Conventions since 2003



#### **Incentivizing ESG**

Long-Term Incentive (LTI) system with Sustainability KPIs (Customer NPS<sup>3</sup>, CO<sub>2</sub> Reduction, Training Hours)

# Impactful



SUSTAINABLE

DEVELOPMENT

GOALS

#### **Responsible business**

Carbon-neutral program has already achieved 54% reduction of Siemens' CO<sub>2</sub> footprint<sup>4</sup>

#### Sustainable development

Siemens' impact shown through Business to Society approach in > 35 countries

#### Fast aid

> €15 million COVID-19 Relief Fund for fast and unbureaucratic help

# Recognized



Leading in ratings

Part of the DJSI<sup>5</sup> World Index (top 10%) for more than 20 years and over 10 years at the leadership level within CDP<sup>6</sup>

#### Acknowledged for ESG<sup>7</sup>

In 2021, German Sustainability Award for Design for Siemens Mobility's regional and commuter train Mireo



German Sustainability Award Design 2021

**Great place to work** 

Ranked among Forbes' "World's Best Employers" for 2020 in our industry; recipient of several awards for inclusion

All data for FY2020 1 SBTi: Science Based Target initiative 2 UN: United Nations 3 Net Promoter Score 4 Between 2014 and 2020 5 DJSI: Dow Jones Sustainability Index 6 CDP: Carbon Disclosure Project 7 ESG: Environmental, Social, Governance



## Siemens has a strong track record in Sustainability





#### Siemens is actively driving collaboration to achieve sustainability and has made strong public commitments



offices around the world - that helps businesses, governments and other organizations understand and communicate their sustainability impacts. 2 © 2021. Reprinted with permission from The SASB Foundation. All rights reserved.

# Siemens' sustainability performance has received strong recognition in external ratings and rankings



#### **Rating highlights**

- Innovation management
- Cybersecurity program
- Customer relationship management
- Green products and service / eco-design
- Compliance management system
- Environmental management system





GENDER EQUALITY



# Technology with purpose

REDUCED

#### **Technology with purpose** Sustainability is core for all our businesses

#### Future of industry: Finite resources – infinite data

- Digital Enterprise portfolio to help industry respond faster and more flexibly to new market demands
- Digital twin: combines digital and real worlds in constant data flow to conserve resources and cut waste
- Smart industrial solutions to make products and production more resource-efficient and use less energy
- Greater transparency of products' carbon footprints across the entire supply chain, including suppliers

#### Future of infrastructure: Decentral, decarbonized, and digital

- Intelligent energy solutions that contribute to a cleaner and more resilient energy mix
- Building offerings for optimal energy usage and healthy indoor climate
- New technologies to reduce emissions (e.g. GIS<sup>1</sup> Blue portfolio, eMobility charging infrastructure)
- Decarbonization programs for customers including attractive financing schemes, e.g. IFPs for EaaS<sup>2</sup>

#### Future of mobility: Strong shift toward decarbonized transportation systems

- Trains are the most environmentally friendly modes of passenger transportation
- Industry leader in train battery technology and development of superior second generation hydrogen train
- Intermodal offerings from door to door for a seamless travel experience
- Increased system capacity, availability and reliability through digitalization (e.g. interlocking in the cloud)
- Enhanced life-cycle management of assets through data-driven predictive maintenance and analytics

1 GIS: Gas-Insulated Switchgear 2 EaaS: Infrastructure Platform; EaaS: Energy-as-a-Service

#### Technology with purpose We help our customers enhance their sustainability performance



#### **Sustainable Production**

#### **Mercedes-Benz**

- Digital end-to-end technologies for flexible production
- Mercedes-Benz Digital Factory Campus as blueprint for flexible, resource-saving, CO<sub>2</sub>neutral factories
- New working environments with IT and Augmented Reality



#### **Clean Energy**

#### **Azores Microgrid**

- Autonomous battery-based energy storage system and microgrid
- Increased renewables by 60%
- Reduce  $CO_2$  by > 3,500 t / year
- Reduce diesel use by 1,150 t / year
- Increased grid stability and resilience

## **Sustainable Region Rail**

#### SFBW<sup>1</sup> (Baden-Wuerttemberg, GER)

- Mireo Plus Battery: Locally emission-free passenger transport with and without overhead power lines
- 25% less energy consumption than previous models
- 95% recycling rate at the end of lifecycle

## **Our DEGREE framework** sets clear priorities for Sustainability at Siemens



SIEMENS

#### **Our DEGREE framework** is substantiated with clear ambitions

Decarbonization	<ul> <li>Net zero operations by 2030 in line with SBTi pathway</li> <li>Net zero supply chain by 2050, 20% emissions reduction by 2030</li> </ul>
Ethics	<ul> <li>Striving to train 100% of our people on Siemens' Business Conduct Guidelines every three years</li> </ul>
Governance	<ul> <li>ESG secured supply chain based on supplier commitment to the Supplier Code of Conduct</li> <li>Long-term incentives based on ESG criteria<sup>1</sup></li> </ul>
<b>Resource efficiency</b>	<ul> <li>Next-level robust eco-design for 100% of relevant Siemens product families by 2030</li> <li>Natural resource decoupling through increased purchase of secondary materials for metals and resins</li> <li>Circularity through waste-to-landfill reduction of 50% by 2025 and towards zero landfill waste by 2030</li> </ul>
Equity	<ul> <li>30% female share in Top Management by FY 25</li> <li>Access to employee share plans: maintain high level and expand globally to 100%<sup>2</sup></li> <li>Global commitment to the New Normal Working Model</li> </ul>
Employability	<ul> <li>Double digital learning hours by 2025</li> <li>Access to employee assistance program: maintain high level and expand globally to 100% by 2025</li> <li>30% improvement in Siemens' globally aggregated LTIFR<sup>3</sup> by 2025</li> </ul>

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

#### SIEMENS

# Decarbonization

support the 1.5°C target to fight global warming



#### **Major achievements**

- Early commitment in 2015: 1<sup>st</sup> major industrial company to commit to net zero in its own operations by 2030; 54% CO<sub>2</sub> reduction by 2020 (fleet, decentralized energy systems, green energy sourcing)
- Abatement of ~150 million tons p.a.<sup>1</sup> of CO<sub>2</sub> emissions through our portfolio at our customers
- Strong offering of decarbonization solutions

#### **Ambitions and further commitments**

1.5°C SBTi<sup>2</sup> commitment and "triple joiner" for EP100, EV100, RE100<sup>3</sup>

- Net zero operations by 2030 in line with SBTi pathway
- Net zero supply chain by 2050, 20% emissions reduction by 2030



CLIMATE GROUP CLIMATE GROUP EP100 EV100

**RE100** 

**1** FY 20 **2** SBTi: Science Based Targets initiative **3** Commitments on Energy Productivity improvements (EP), use of Electric Vehicles (EV), and Renewable Energy (RE)



# Decarbonization

support the 1.5°C target to fight global warming



## **Selected highlights**



Energy performance contracting to reduce emissions and costs



Microgrids for Siemens, e.g. in Vienna, Milan, Midrand



Green Digital Twin drives sustainable design and sourcing decisions



Carbon reduction at suppliers



# **E**thics

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



#### **Major achievements**

- 165,000 employees trained on the contents of our Business Conduct Guidelines in FY 20 promoting compliance
- DJSI<sup>1</sup> leader in cyber security within our industry
- Charter of Trust initiative founded to drive cyber security in a trusted digital world with cross-industry and global partners
- Siemens Integrity Initiative covers all major growth regions and risk countries with 77 projects and \$98.5 million funding

## **Ambitions and further commitments**

Striving to train 100% of our people on Siemens' Business Conduct Guidelines every three years

1 DJSI:Dow Jones Sustainability Index



# **E**thics

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



## **Selected highlights**



Siemens Business Conduct Guidelines



Certifications (e.g. Secure Product Development Lifecycle)



We sign for Cybersecurity.

Charter of Trust: global, cross-industry initiative



Siemens Integrity Initiative



## Governance

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



#### **Major achievements**

- Strong ESG / Sustainability Governance in place (e.g. LTI, SSB<sup>1</sup>), Circular, Materiality Assessment
- Code of Conduct with clear ESG requirements for Suppliers and Third Party Intermediaries as integral part of supplier management methods and tools (Prevent-Detect-Respond)
- AI-based "ESG Radar" due diligence tool for ESG-related risk assessment in rollout

#### **Ambitions and further commitments**

- ESG secured supply chain based on supplier commitment to the Supplier Code of Conduct
- Long-term incentives based on ESG criteria<sup>2</sup>

1 LTI: Long-Term Incentive, SSB: Siemens Sustainability Board 2 Assessed on the basis of a Siemens internal ESG/Sustainability index, incl. Customer NPS, CO2 Reduction, Training Hours



## Governance

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



## **Selected highlights**



UN Guiding Principles on Business and Human Rights

OECD Guidelines for FOR MULTINATIONAL ENTERPRISES

**UN Global Compact** 

Global Business Initiative on Human Rights

Commitment to international standards



Sustainability Circular and ESG Risk Framework



Code of Conduct for Siemens' Suppliers and Third Party Intermediaries



Environmental & Social Due Diligence for customer related business



## **R**esource efficiency

achieve circularity and dematerialization



#### **Major achievements**

- "Serve the Environment" program: -18% disposal waste, 93% waste recycling, 70% green electricity
- "Product Eco Excellence" program: ~70% LCA/EPD<sup>1</sup> coverage rate in terms of revenue, global EP<sup>2</sup> standard for environmentally compatible product/system design
- Top DJSI/CDP ratings on environmental performance

#### **Ambitions and further commitments**

- 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

1 LCA: Life Cycle Assessment; EPD: Environmental Product Declaration; 2 EP: Environmental Protection



## **R**esource efficiency

# achieve circularity and dematerialization



## **Selected highlights**



Velaro Novo high speed – pushing boundaries of efficiency



Simulation from chip to real world reduces waste and emissions



Power flexibility in industry: Virtual Power Plant Sinebrychoff brewery



# Equity

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



#### Major achievements

- > 18% management positions held by women
- 155,000 employees own Siemens shares
- 5,300 employees with disabilities
- > 500 projects to foster societal cohesion & quality of life
- Global Donations: €34 million in FY 20, COVID-19 fund
   > €15 million

#### **Ambitions and further commitments**

- 30% female share in Top Management by 2025
- Access to employee share plans: maintain high level and expand globally to 100%<sup>1</sup>
- Global commitment to the New Normal Working Model<sup>2</sup>

1 Where legally possible and reasonable 2 Aim of the concept: Enabling employees worldwide to work on a mobile basis for an average of two or three days a week, whenever feasible



# Equity

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



## **Selected highlights**



New Normal

Working Model



Best place to work for disability inclusion



Top ranked company in LGBT+<sup>1</sup> (e.g. DAX30 LGBT+, Human Rights Corporate Equality Index)



Project Asha – access to water, electricity, health, education (> 500k people, > 72 villages) Siemens Foundation "empowering people.award"

1 Lesbian, Gay, Bisexual, Transgender and related communities



# **E**mployability

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



#### **Major achievements**

- €252 million investment in education and training, shaping of new and innovative learning experience with more than 100,000 digital learning opportunities for employees
- ~6,800 apprentices and dual students; ~1 million PLM software licenses to empower students at universities
- 21% year-on-year reduction in employee accident rate

#### **Ambitions and further commitments**

- 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 LTIFR<sup>1</sup> by 2025

1 LTIFR: Lost time injury frequency rate



## **E**mployability

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



## **Selected highlights**



Lifelong learning -

development paths

re-/up-skilling,





Global Apprenticeship Program

PLM licenses – software grants to students



Health, safety, and well-being at work



Siemens Stiftung – MINT education for kindergarten



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