

Fenntarthatóság

Broda Krisztián



Technology to transform the everyday

Accelerating sustainability across all industries

Today's biggest global challenges require transformative change –
We will need to ...

Reduce emissions



Lower emissions
by 50%
in this decade
and reach
net zero by
2050 ¹⁾

Increase renewables



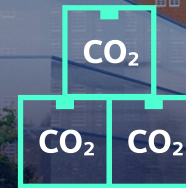
Install
8x more
solar panels and
5x more
wind turbines
by 2030 ²⁾

Electrify mobility



Grow use of
EV passenger vehicles
by ~25% per
year until 2030 ³⁾

Capture carbon



**Capture, use,
and/or
store CO2** ³⁾

Find net zero alternatives



Shift to
zero-emission alternatives
such as
electrification ³⁾

Source: 1) "Net zero Challenge." Boston Consulting Group <https://www.bcg.com/about/about-bcg/net-zero> 2) McKinsey and Company, Scenario A – "The 1.5-degree challenge." <https://www.mckinsey.com/business-functions/sustainability/our-insights/interactive-the-1-point-5-degree-challenge> 3) McKinsey and Company <https://www.mckinsey.com/business-functions/sustainability/our-insights/climate-math-what-a-1-point-5-degree-pathway-would-take>

Variety of questions not yet addressed for many industrial players

How **advanced** am I in my **sustainability journey** today?

*How do I reach **net zero emissions**?

*How to reduce my **resource consumption** (e.g., primary materials, water)?

How can **technology & digitalization** help?

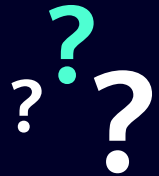
What **financing** opportunities do I have?

How do I **build on what I already have** (e.g., existing energy efficiency technology)?

How do I fulfill my **investor's requirements** for non-financial disclosure?

*Which new **regulations** are upcoming and how to cope with these? (e.g., EU Green Deal, Human Rights Due Diligence Law)

With whom to **partner**?



By combining the real and the digital worlds, Siemens empowers its customers to master their digital transformation and sustainability challenges

Automotive
Manufacturing



Airports



Electronics
Industry



Water and
wastewater Industry



Data
Centers



Machinery and
Plant Production



Food and
Beverage



Chemical
Industry



Municipalities
and DSOs



Cranes



Intralogistics



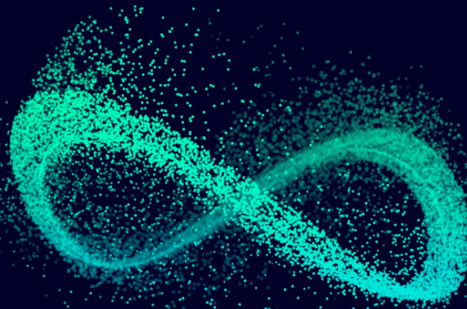
Aerospace



Battery
Manufacturing



Real world



Digital world



Glass
Production



Pharmaceutical
Industry



Campus



Tire
Industry



Mining
Industry



Cement



Transportation
and Logistics



Panel
Building



Wind
Energy



Pulp
and Paper



Life
Science



Healthcare



Oil and Gas
Industry

Our holistic portfolio addresses sustainability across all parts of the infrastructure

Industry



- **Digital Enterprise portfolio** to increase flexibility, transparency and resource efficiency along the value chain
- **Innovative industrial solutions** to reduce energy and resource consumption based on data, digitalization and automation

Buildings



- **Smart building offerings** for optimal energy usage and healthy indoor climate
- **Holistic decarbonization programs** including attractive financing schemes

Grids



- **Intelligent energy solutions** for a cleaner and more resilient energy mix
- **Flexible eMobility solutions** and **charging infrastructure**

Transportation



- Environmentally friendly **train battery technology** and **hydrogen trains**
- **Intermodal offerings** for a seamless travel experience
- **Data-driven services** for increased system capacity, availability and reliability

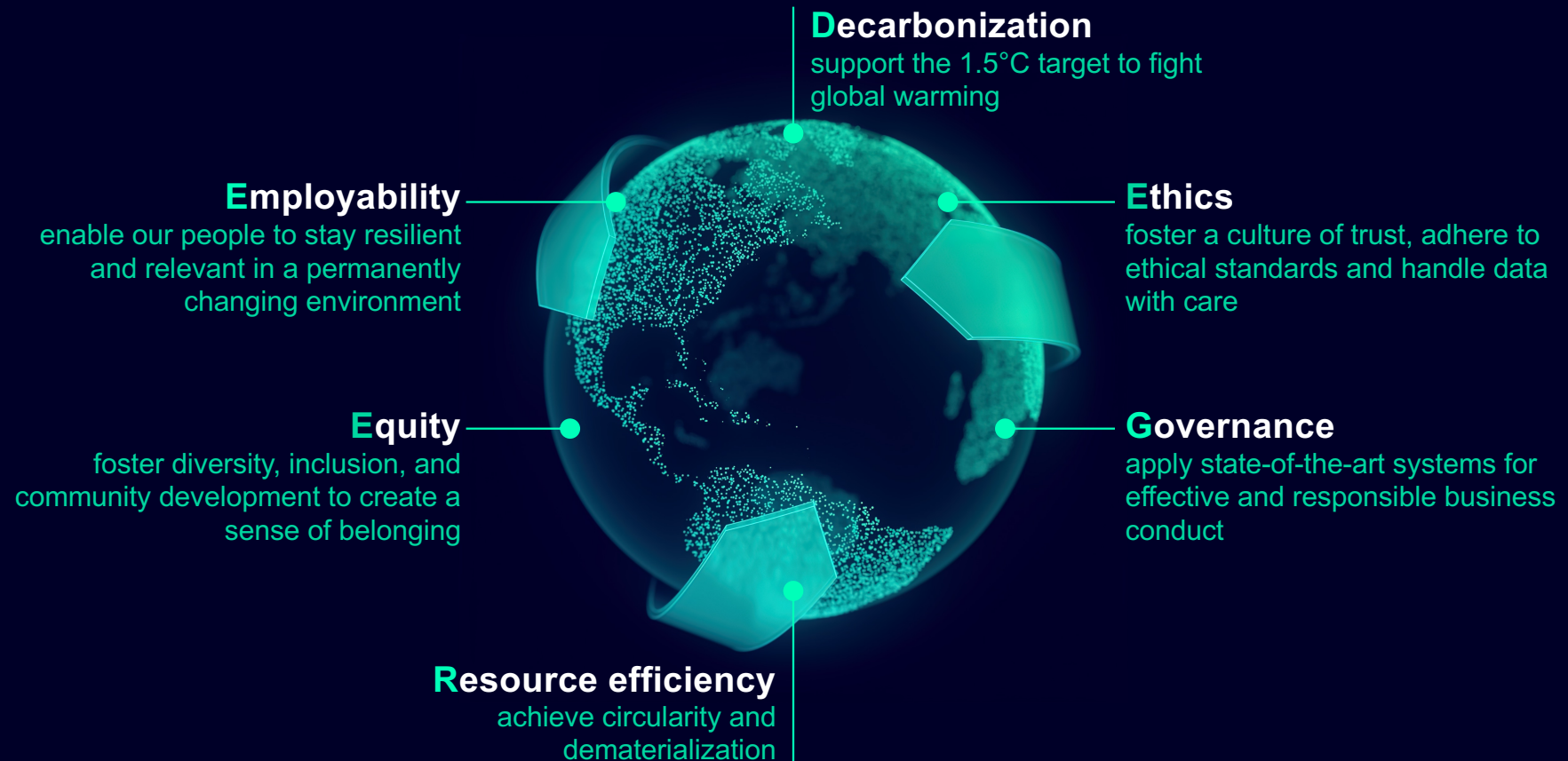


“With our innovation and expertise, we offer solutions to our customers all around the world to overcome their sustainability challenges.”

“We are not only aiming to be carbon neutral in our own operations by 2030. We are also extending our commitment to all the emissions connected to us – from our supply chain to the use phase of our portfolio by our customers.”

Judith Wiese, Chief People and Sustainability Officer and Member of the Managing Board of Siemens AG

We need to take a comprehensive – 360-degree – view of sustainability from every angle. Our **DEGREE** framework sets clear priorities for Sustainability at Siemens



D

ecarbonization

support the 1.5°C target to fight global warming

- Early commitment in 2015: **1st major industrial company to commit to net zero in own operations by 2030; 54% reduction in 2020**
- **Abatement of ~150 million tons of CO₂ emission p.a.¹⁾ through portfolio at our customers**
- **1.5°C SBTi²⁾ commitment and “triple joiner” for EP100, EV100, RE100³⁾**



Ambitions and further commitments:

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

E

thics

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

- **DJSI¹⁾ 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 with 77 projects and \$98.5 million funding**



- **Train 100% of our people on Siemens' Business Conduct Guidelines every 3 years**

G

overnance

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

- **Strong ESG / sustainability governance** in place (e.g., Sustainability board, Circular, Materiality Assessment)
- **AI-based “ESG Radar” due diligence tool for ESG-related risk assessment** in rollout

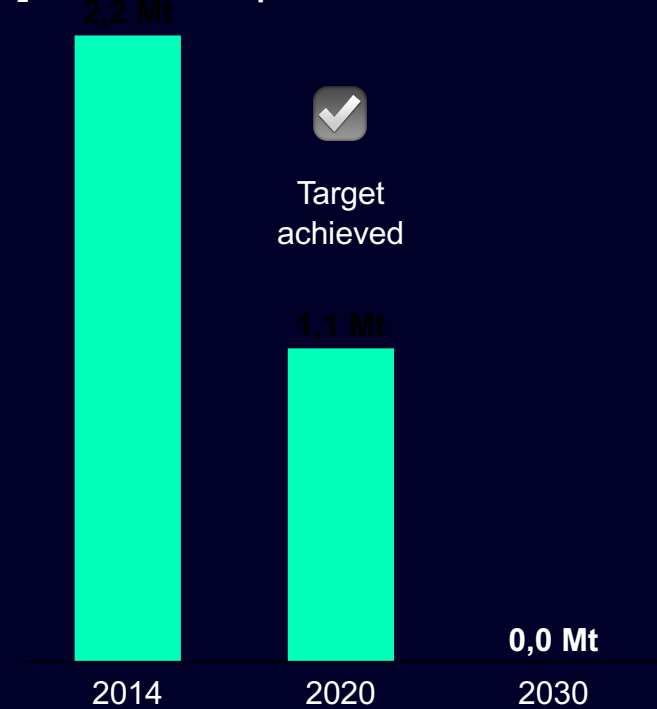


- ***ESG secured supply chain based on supplier commitment to the Supplier Code of Conduct**
- **Long-term incentives based on ESG criteria²⁾**

1) FY2020 2) SBTi = Science Based Targets initiative 3) Energy Productivity improvements, use of Electric Vehicles, Renewable Energy
4) LCA: Life Cycle Assessment; EPD: Environmental Product Declaration; global Environmental Protection standard for environmentally compatible product/system design

Siemens Decarbonization Program: We achieved our interim target to halve our CO₂ footprint by 2020 and are on track to become net zero by 2030

CO₂ emissions scope 1/2



1

We reduced our CO₂ emissions by >50% via energy efficient buildings & factories, green electricity, decentralized energy systems, new mobility concepts & eCars, reduction of SF6 gas



2

>70% of the electricity consumption of our sites globally is covered by renewables



3

Our investments in energy efficiency projects led to 15% reduced energy costs



R

esource efficiency

achieve circularity and dematerialization

- **“Serve the Environment” program:**
-18% disposal waste, 93% waste recycling, 70% green electricity
- **“Product Eco Excellence” program:**
~70% revenue coverage with LCA/EPD ⁴⁾
- **Top DJSI/CDP ratings** on environmental performance

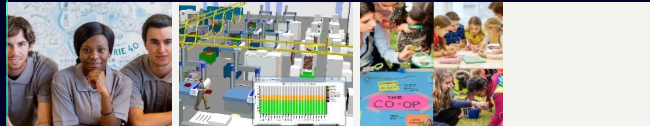


E

mployability

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

- **€252 million investment in education and training, >100,000 digital employee learning opportunities**
- **~6,800 apprentices & dual students;**
~1 million PLM software licenses sponsored for universities



E

quity

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

- **>18% management positions** held by women
- **5,300 employees with disabilities**
- **> 500 projects** to foster **societal cohesion & quality of life**
- **Global donations:** €34 million in FY2020, COVID-19 fund > €15 million



Ambitions and further commitments:

- ***100% of relevant Siemens product families by 2030 covered by robust eco-design criteria**
- Natural resource decoupling through **purchase of secondary materials for metals and resins**
- Circularity through **waste-to-landfill reduction of 50% by 2025, zero landfill waste by 2030**

- **Double digital learning hours by 2025**
- Access to **employee assistance program: expand globally to 100% by 2025**
- **30% improvement in Siemens' globally aggregated LTIFR ¹⁾ by 2025**

- **30% female share in Top Management by 2025**
- Access to **employee share plans: maintain high level and expand globally to 100%²⁾**
- Global commitment to the **New Normal Working Model ³⁾**

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Áttekintés Lokális



- A lokális fenntarthatósági stratégiával három fő területre koncentrálnak:
 - Működési, üzleti, kommunikációs stratégia
- Erős alapokkal és elkötelezett Kollégákkal rendelkezünk
- Összegyűjtöttük az éves energia felhasználásunk és kibocsátásunk volumenét, aminek optimalizálására intézkedéseket teszünk globális, lokális stratégiák alapján
- Elindítottuk a papír-, és műanyagmentes iroda koncepciót
- Újragondolt üzleti modelleket készítettünk az energiahatékonyság és energiamenedzsment témában bevonva az operatív területeket
- Együttműködünk az osztrák fenntarthatósági csapattal, hogy a várható EU Green Deal fejlesztési forrásokat elérjük a Partnereinken keresztül
- Negyedévente beszámolunk az elért eredményekről és célokról
- Törekszünk rá, hogy minél szélesebb körben megismertessük a Siemens Zrt. fenntarthatósági törekvéseit és eredményeit külső és belső kommunikációval



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