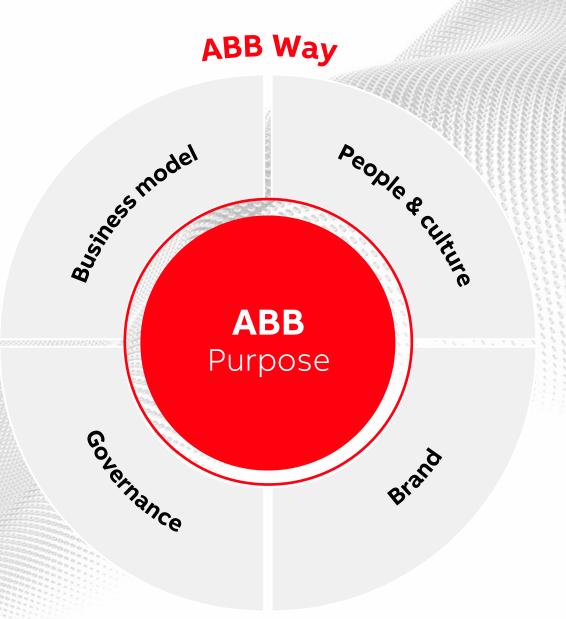


We enable a more sustainable and resource-efficient future with our technology leadership in electrification and automation







Climate change & resource scarcity

- CO₂e emissions
- Circular economy
- · Energy saving

Technological breakthroughs

- Robotization & automation
- Industrial automation
- Digitalization

Shifting economic power: global/local

- Local rules & regulations
- Community engagement
- Supply chain localization

Rapid urbanization

- Smarter buildings
- Smarter cities
- E-mobility

Demographic & social change

- Diversity and inclusion
- Human rights
- Labor rights





Smart cities



Smart buildings



Productivity



E-mobility



Energy efficiency



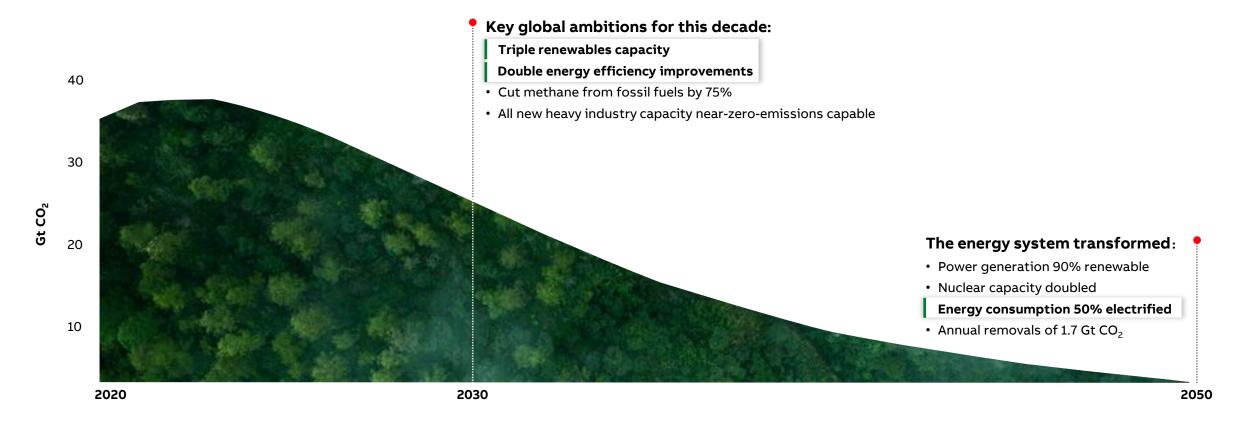
Smart robotization

Customers asking to engage on sustainability partnerships



Net Zero: available technologies can deliver 80% of 2030 emissions reduction Energy efficiency, renewables and electrification to play a key role

IEA Net Zero Roadmap: A Global Pathway to Keep the 1.5C Goal in reach













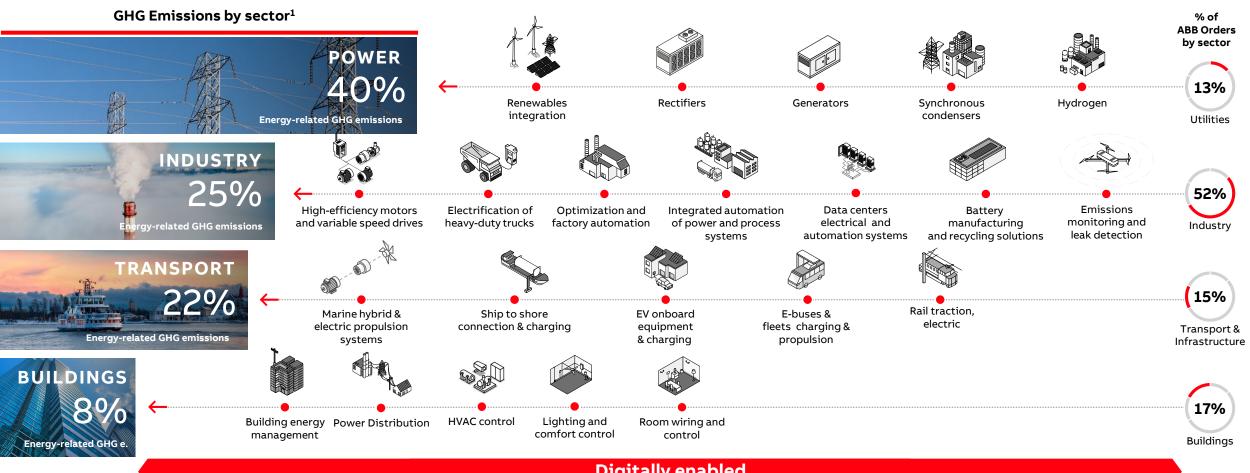


Supporting all relevant sectors to

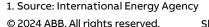
Optimize, Electrify and Decarbonize

ABB's technologies are at the core of accelerating the energy transition

Supporting all relevant sectors to optimize, electrify and decarbonize









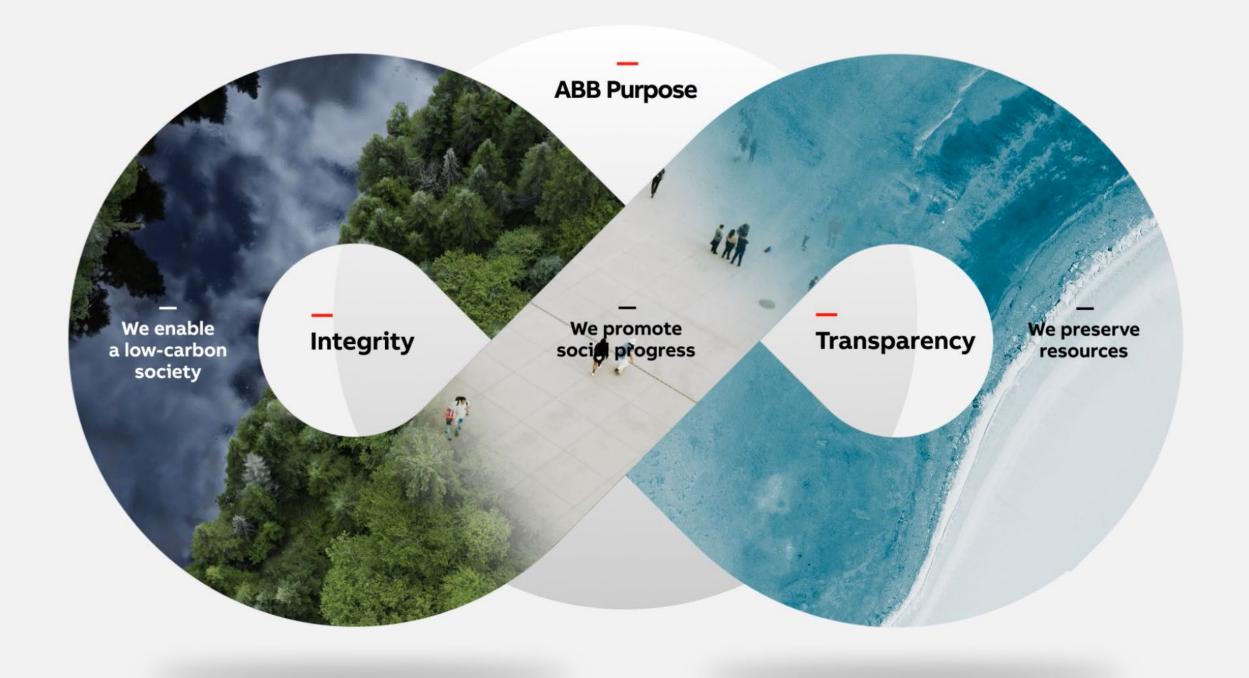


ABB purpose aligned with key market trends

Businesses exposed to several key market trends

Electrification - the world going electric



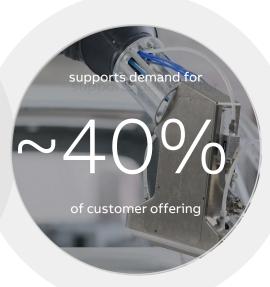
Energy security



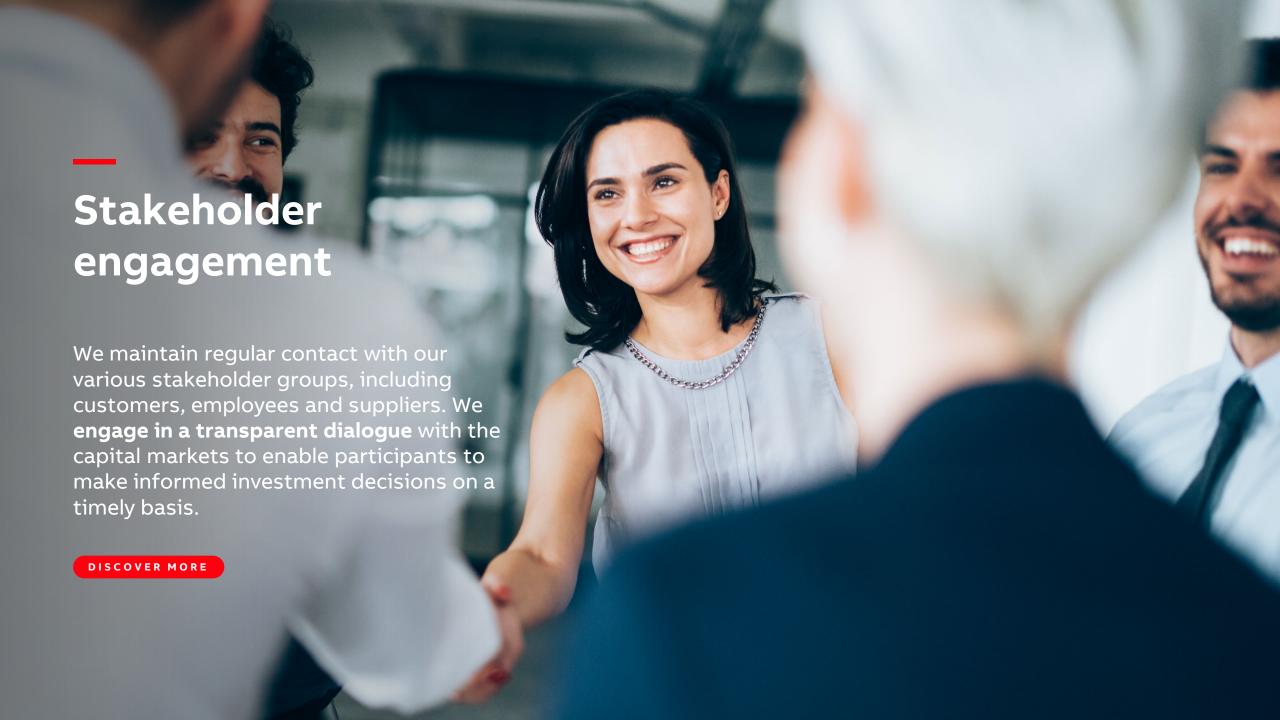
Emission reduction, energy efficiency



Automation







Material topics

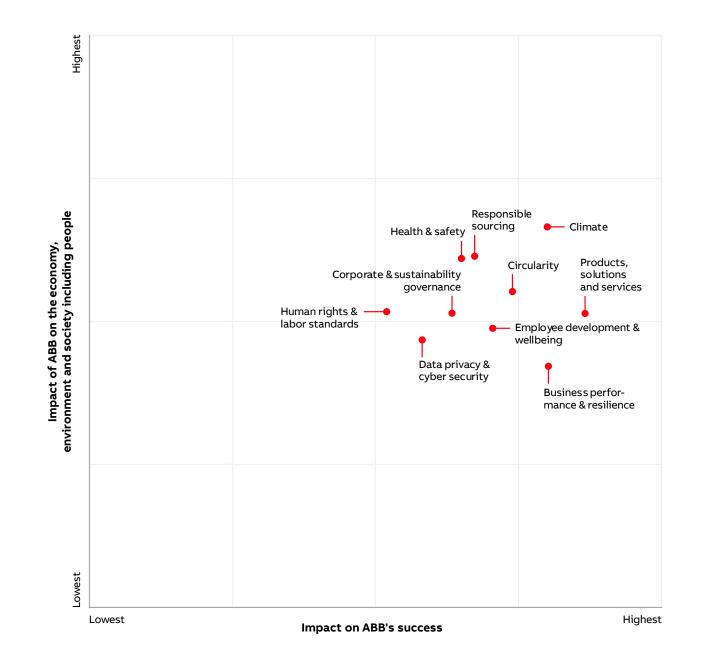
First double materiality assessment conducted in 2023.

Guided by recognized standards and frameworks.¹

10 material topics identified.

Stakeholders included customers, employees, governments and civil society, investment community, suppliers, and partners.

Swiss Code of Obligations related to transparency on non-financial matters (Art. 964b CO), the European Sustainability Reporting Standards (ESRS), Global Reporting Initiative (GRI), Integrated Reporting Framework (IR), IFRS Sustainability Disclosure Standards, SASB Standards and recommendations of the Task Force on Climate-related Financial Disclosures (TCFD



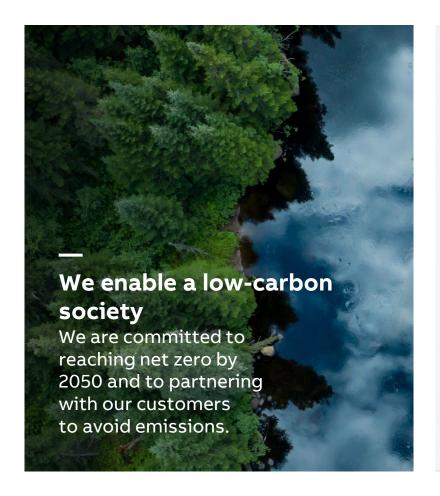


Water, Diversity & Inclusion, and Biodiversity remain core focus areas, though not material

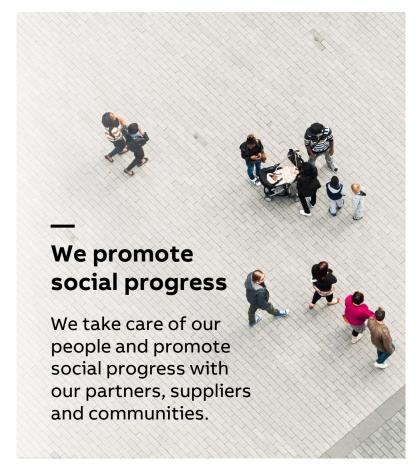


Our Sustainability Agenda is in line with this mission

Focus on a low-carbon society, resources and social progress













Reinforced and accelerated sustainability agenda

Upgraded targets and ambition under low-carbon society

UNCHANGED **UPGRADED IN 2023** We promote social progress We preserve resources We enable a low-carbon society **Net zero targets** 80% of ABB products Zero harm to our people & solutions covered and contractors Scope 1 and 2 CO₂e emissions by circularity approach reduction of 80% by 2030 25% women in senior versus 2019 baseline and Zero waste to landfill from management roles 100% by 2050 own operations wherever Top-tier employee engagement possible Scope 3 CO₂e emissions score in our industry reduction of 25% by 2030. Impactful support for 90% by 2050 Versus 2022 community-building initiatives baseline 600Mt avoided CO2e emissions ambition ABB Way: Sustainability embedded throughout the business Board of Directors | Executive Committee | Sustainability Council | Division-level implementation

Our sustainability targets and ambitions follow best-practice standards and guidance



NET ZERO

TARGETS

Net-zero target validated by Science-

Based Targets initiative

(SBTi)







ABB's methodology aligned with WBCSD guidance for avoided emissions

DOUBLE MATERIALITY

Inside out

Outside in

10 material topics identified through double materiality assessment









SUSTAINABLE DEVELOPMENT GOALS

Four SDGs identified as where ABB has the greatest impact



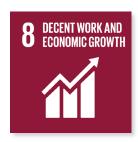
UN Sustainable Development Goals

ABB supports the United Nations' Sustainable Development Goals. We focus on specific areas where we can make the most impact.



AFFORDABLE AND CLEAN ENERGY

ABB enables access to affordable and sustainable energy through our portfolio of electrification, automation and energy-efficient solutions.



DECENT WORK AND ECONOMIC GROWTH

ABB contributes to decent work and economic growth by providing safe and fair employment, paying taxes and supporting local communities.



INDUSTRY, INNOVATION AND INFRASTRUCTURE

ABB's innovative technologies actively contribute to sustainable industrialization and give us, our business partners and our customers the ability to move, work and live more sustainably.



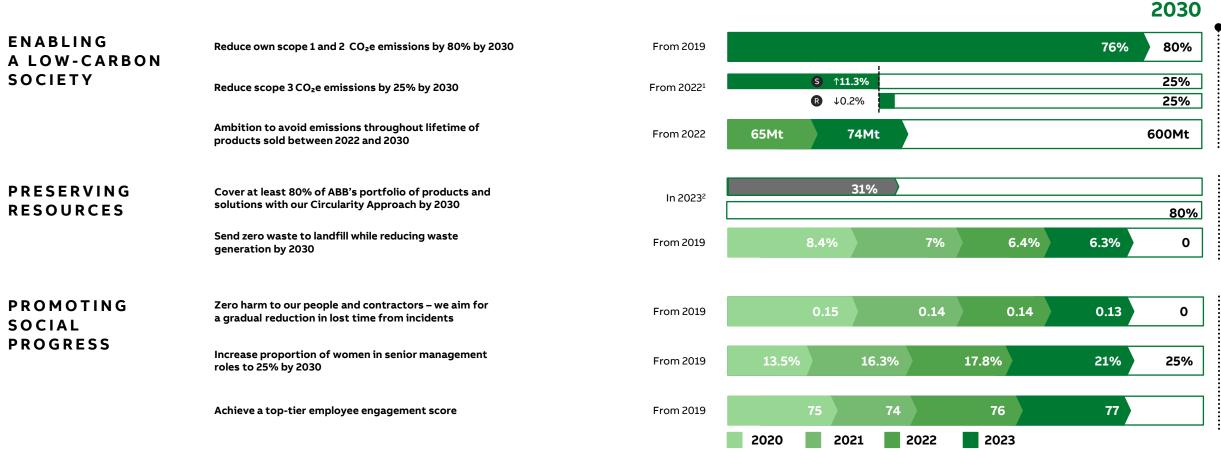
CLIMATE ACTION

By cutting our own GHG emissions, empowering customers to avoid emissions and integrate renewables, and working with suppliers and partners to reduce their carbon footprints, ABB is enabling decarbonization and climate action.



Reinforced and accelerated sustainability agenda

On track to deliver against 2030 targets



^{1.} Strict: Absolute emissions increase considering energy input. Strict scenario resulted in a 11.3% absolute increase versus the 2030 target of a 25% reduction. Representative: Absolute emissions decrease considering energy losses. Representative scenario resulted in a 0.2% absolute decrease versus the 2030 target of 25% reduction.



^{2.} Portfolio assessed through Circularity Approach





Reduction of own scope 1 and 2 GHG emissions

76%

compared to 2019 baseline



Reduce scope 3 CO₂e emissions by 25% by 2030

↓ 0.2%

"Representative" scenario

11.3%

"Strict" scenario



Avoided customer GHG emissions

74Mt

through lifetime of products sold from 2022 to 2030



Waste sent to landfill

6.3%

of total waste



Women in senior management roles

21%



Lost-time injury frequency rate (LTIFR)

0.13



Employee engagement score

77/100



Our impact

ABB technologies are shifting the way we produce, move, live and work

Here are just a few examples.

ENABLING A LOW-CARBON SOCIETY







PRESERVING RESOURCES







PROMOTING SOCIAL PROGRESS



















RATED BY









Sustainability disclosure dashboard



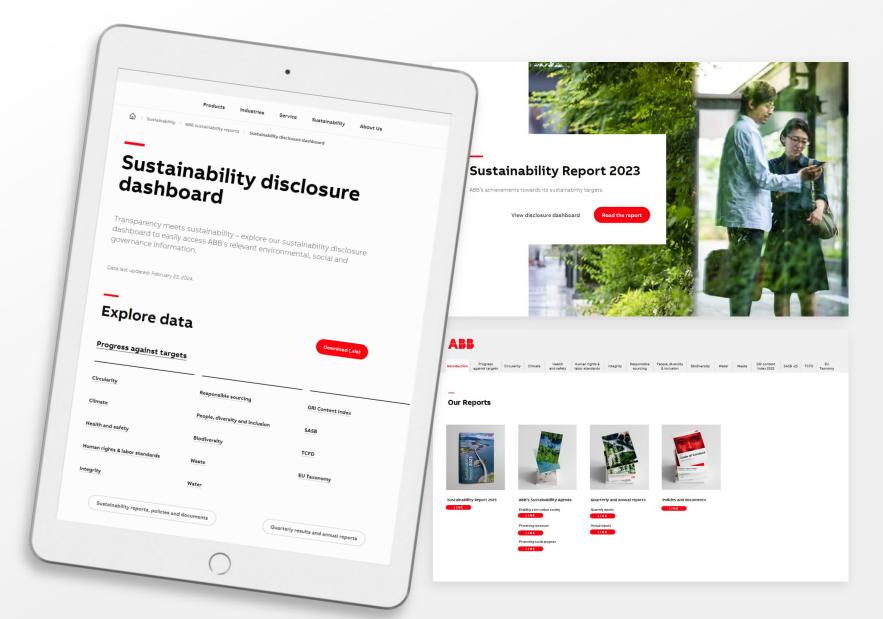
Explore the newest addition to our sustainability website



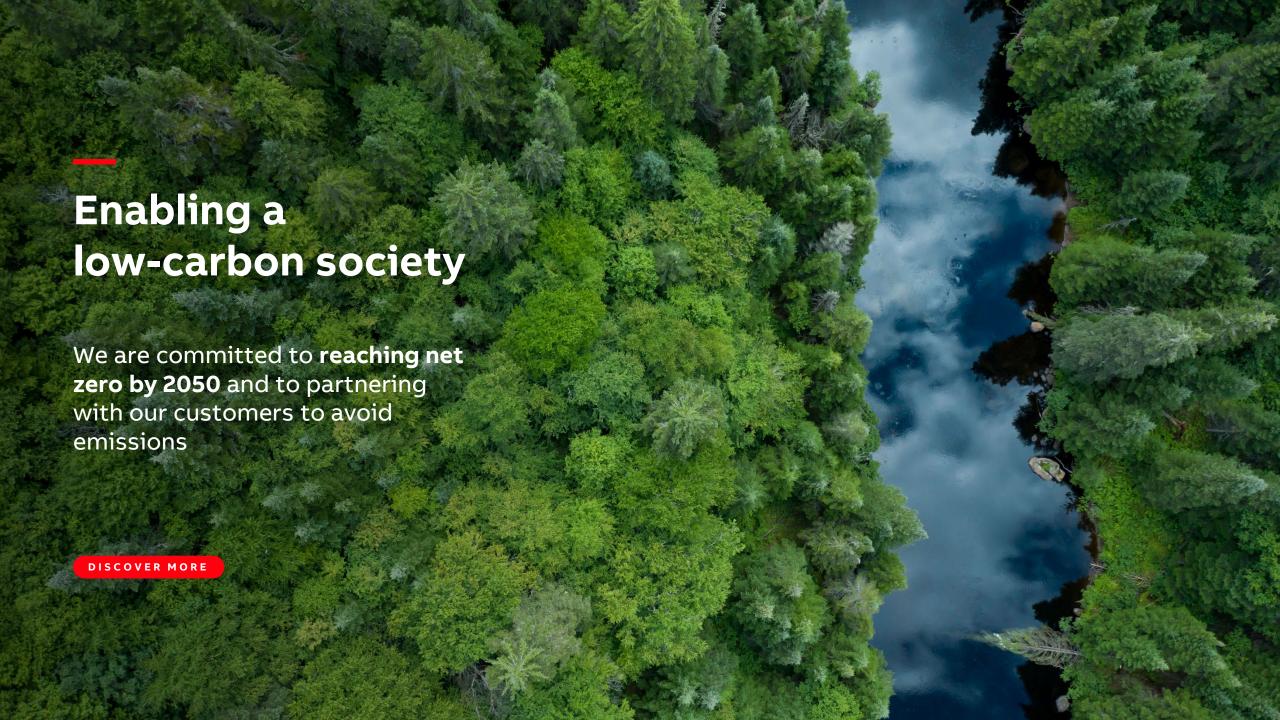
Making our ESG data easily accessible



In HTML and as a downloadable excel







Setting ambitious climate targets

Science-based net-zero target and avoided emissions



Reducing CO₂e emissions by at least 80% and achieving carbon neutrality in own operations by 2030

Ambition to enable our customers to reduce their annual CO_2 e emissions by more than 100 megatons by 2030



NOW Science-based targets

Scope 1 and 2

CO₂e emissions reduction of 80% by 2030 - 1.5°C-aligned versus 2019 baseline and 100% by 2050 - 1.5°C-aligned Scope 3

CO₂e emissions reduction of 25% by 2030 90% by 2050 - 1.5°C-aligned versus 2022 baseline

Overall Net-Zero Target approved by SBTi: Net-zero greenhouse gas emissions across the value chain by 2050.

Avoided emissions

Ambition to enable our customers to avoid

600 megatons of CO₂e emissions

throughout lifetime of products sold from 2022 to 2030





SCOPE 1 & 2 - TARGETS

2030

80%

reduction of scope 1 and 2 GHG emissions by 2030 (compared to 2019), 1.5°C-aligned 2050

100%

reduction of scope 1 and 2 GHG emissions by 2050, 1.5°C-aligned

SCOPE 3 - TARGETS

2030

25%

reduction of scope 3 GHG emissions by 2030 (compared to 2022) 2050

90%

reduction of scope 3 GHG emissions by 2050 (compared to 2022), 1.5°C-aligned

SCOPE 1 & 2 - PROGRESS

76%

reduction in scope 1 and 2 GHG emissions in 2022 versus our 2019 baseline

SCOPE 3 - PROGRESS

Reduce scope 3 CO₂e emissions by 25% by 2030

↓ 0.2%

11.3%

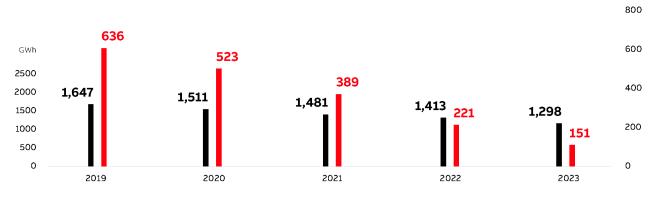
"Representative" scenario

"Strict" scenario

Note, the difference being energy loss versus energy input.

kilotons CO2e

TOTAL ENERGY USED AND TOTAL SCOPE 1 & 2 GHG EMISSIONS



Figures in the graphs are adjusted for portfolio changes

■ Total energy used (GWh)

■ Total Scope 1 and 2 GHG emissions (kilotons CO₂e)



Avoided emissions

emissions at our customer sites, we follow the latest guidelines of the World Business Council for Sustainable Development (WBCSD).

Our technologies enable emissions avoidance in industry, transport, buildings, data centers and more.

AMBITION

Enable customers to avoid 600 Mt of GHG emissions through ABB products sold from 2022-2030.

UPDATE

74 Mt avoided GHG emissions in 2023 across industry, transport, buildings, data centers and more.

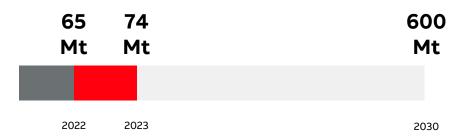




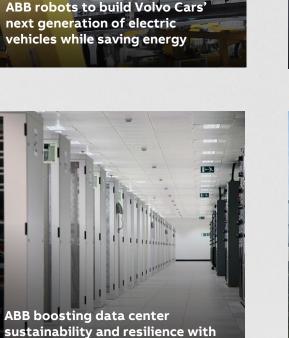
ABB in action





ABB boosting data center

nickel-zinc batteries









Preserving resources

We embed circularity in our products, reduce waste, protect water and biodiversity, and use land responsibly

DISCOVER MORE

Waste

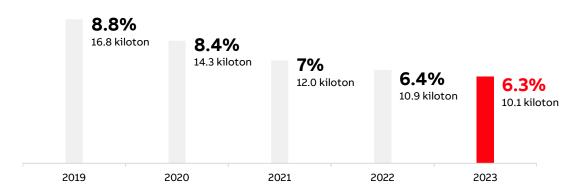
TARGET

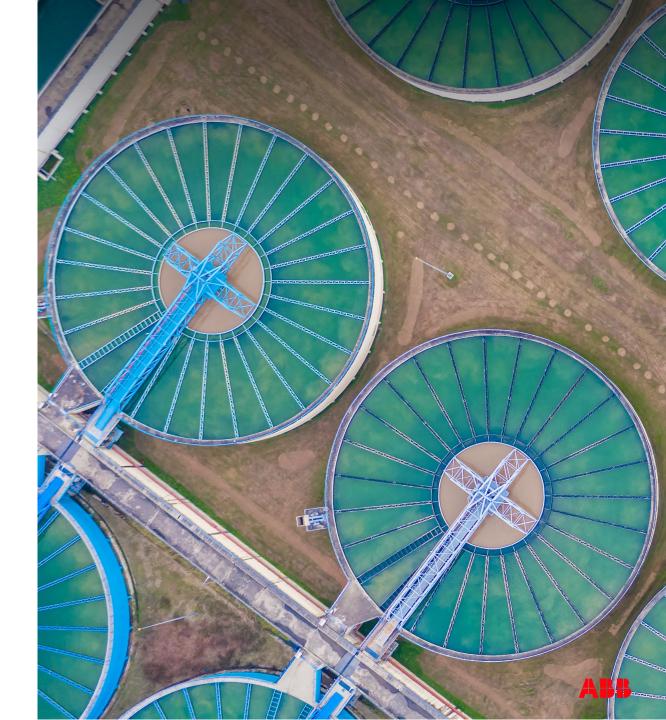
Send zero waste to landfill while reducing waste generation by 2030.

We aim to send zero waste from our own operations to landfill by 2030, wherever this is compatible with local conditions and regulations, while developing our capability to prevent waste generation.

PROGRESS

Non-hazardous waste to landfill







TARGET

Cover at least 80% of ABB's products and solutions with our Circularity Approach by 2030.

We are incorporating international standards into the ABB circularity framework to ensure it is robust, objective, quantifiable and auditable.

PROGRESS

31% of our products and solutions are assessed against the requirements of our Circularity Approach

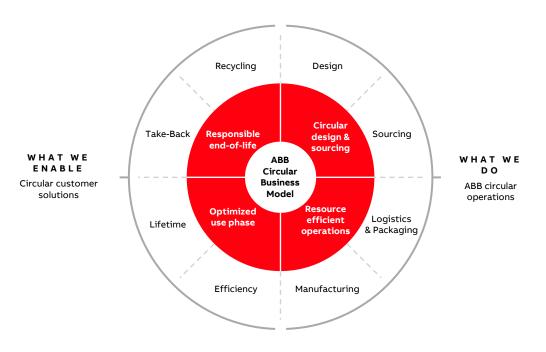
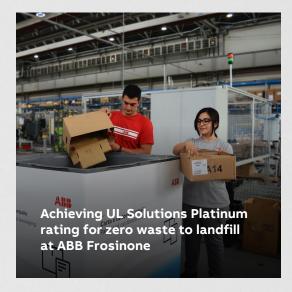
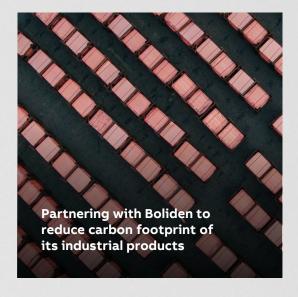


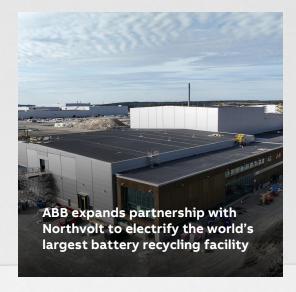


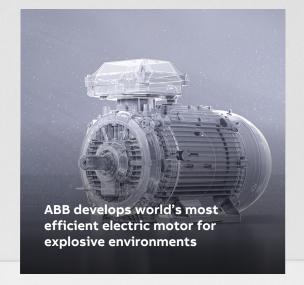
ABB in action













Promoting social progress

We take care of our people and promote social progress with our partners, suppliers and communities.

DISCOVER MORE



Occupational health and safety

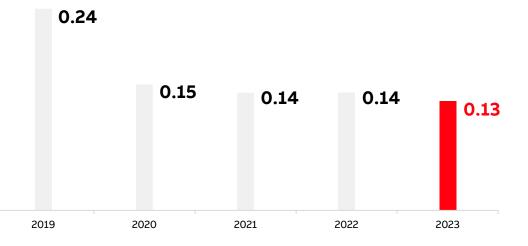
AMBITION

Zero harm to our people and contractors and a gradual reduction in lost time from incidents.

Our long-term success, reputation and standing as the preferred partner for our customers and other stakeholders depends on our ability to ensure the safety of our people and contractors.

UPDATE

Reduction of lost-time injury frequency rate (LTIFR) from 0.246 in 2019 to 0.13 in 2023.





Diversity and inclusion

TARGET

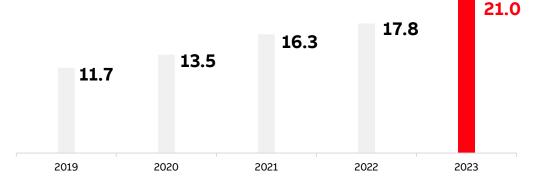
Increase proportion of women in senior management roles to 25% by 2030.

At ABB, we see diversity and inclusion as a core strength for a successful and sustainable business. We take care of our people, respect and value differences, and seek to create an inclusive environment where everyone can succeed.

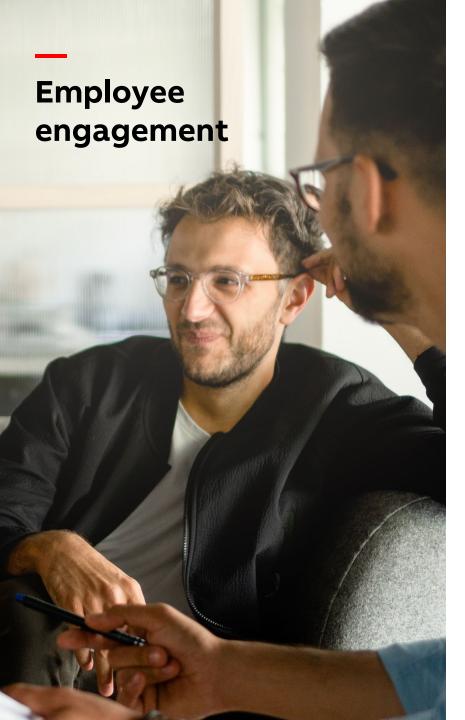
We are proud of our global gender-neutral parental leave program, which grants 12 weeks of paid leave for primary caregivers and four weeks for secondary caregivers.

PROGRESS

Women in senior management (by percent)







TARGET

Achieve a top-tier employee engagement score by 2030.

ABB is deeply interested in knowing what its people's on-the-job experiences are like. Our annual Engagement Survey helps us understand how our people feel and lets them voice their opinions on a broad set of topics.

PROGRESS

124,808



84%

response rate (=88,988 employees) in **2023**



is an improvement compared to

82% in **2022** and

65%

response rate in (baseline) 2019



Engagement score:

71	76	77	
			/100
2019 (baseline)	2022	2023	



Community engagement

AMBITION

Expand programs for community engagement.

- ABB's approach to community engagement combines strategic corporate partnerships with country-level projects to address local needs.
- We know that next-generation technologies and STEM disciplines will play a key role in making a net-zero future a reality. Our education and upskilling programs are helping current and future professionals succeed in a world where robotics, automation and innovative technologies will play an increasingly important role.

UPDATE

In 2023, our employees and business areas supported communities in a number of ways:

45

Countries engaged

4,800

person-days volunteered

\$11.5

million donated 500+

community projects and charities supported

We have defined the scope of our community engagement to cover four focus areas: education, emergency and disaster relief, community empowerment, and environment and conservation.





AMBITION

Our goal is for human rights to be well understood and managed along our entire value chain and integrated into ABB's daily business.

ABB's commitment to responsible business practices includes respecting and promoting human rights as expressed in the International Bill of Human Rights.

UPDATE

Enhanced our human rights due diligence in line with UN Guiding Principles. Our Human Rights Policy and Due Diligence Framework place human rights at the heart of ABB's expectations.

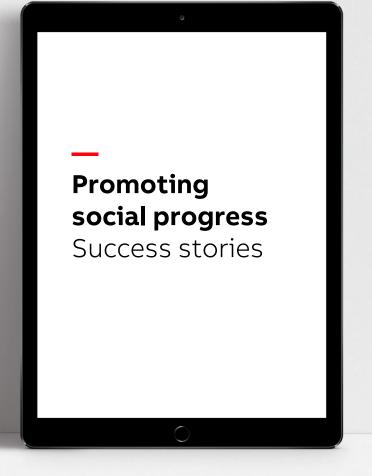
Human Rights Policy and Due Diligence Framework

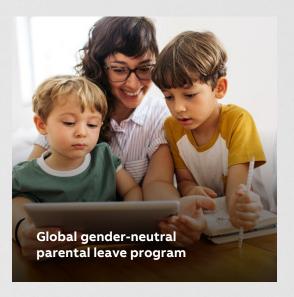
ABB Code of Conduct

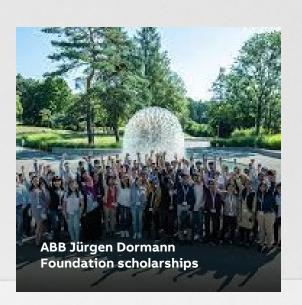
ABB Supplier Code of Conduct



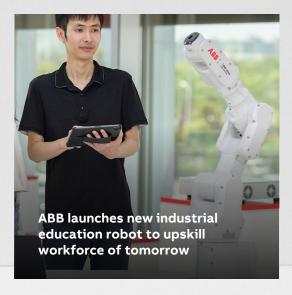
ABB in action















Integrity

Our commitment to integrity in everything we do is embedded in our ABB Code of Conduct, the Supplier Code of Conduct, and a wide range of policies and procedures.

We have an integrity training program that takes a hybrid approach, combining self-guided learning with bespoke, role-specific, mandatory training, to encourage individual ownership and accountability.

□ Integrity at ABB

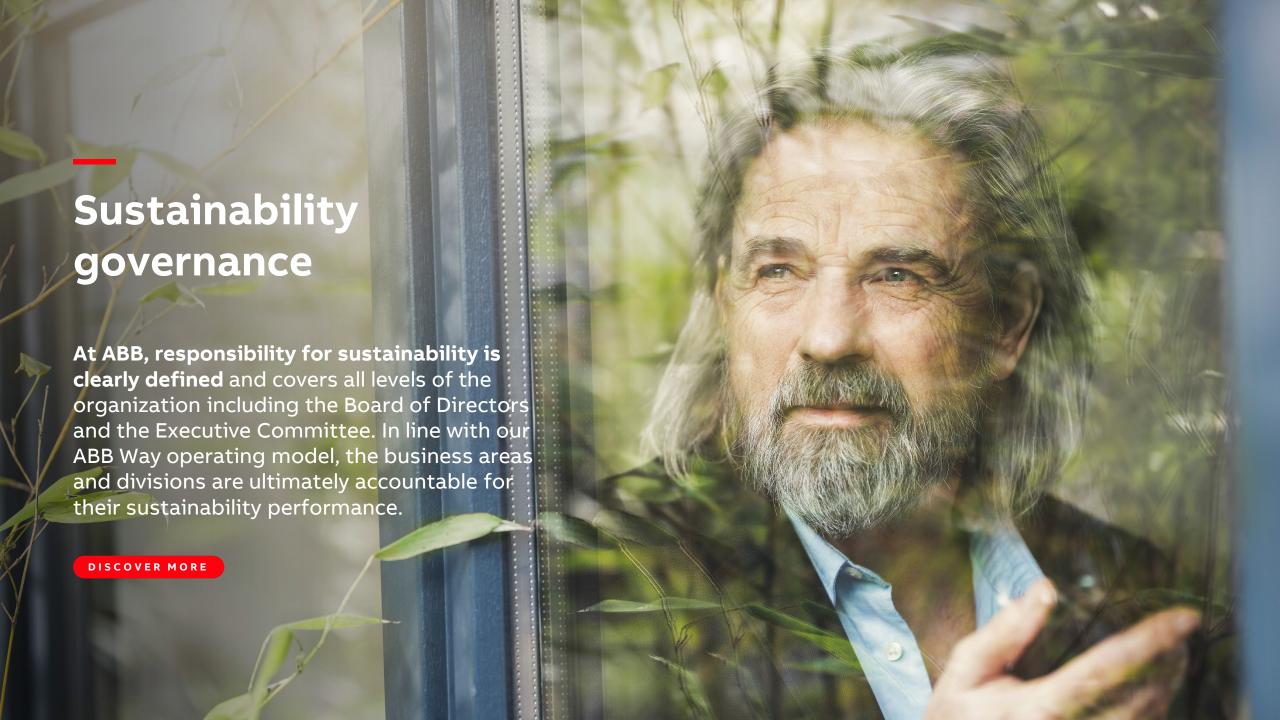
ABB Code of Conduct

Annual reporting suite

☐ Global ABB Integrity Program

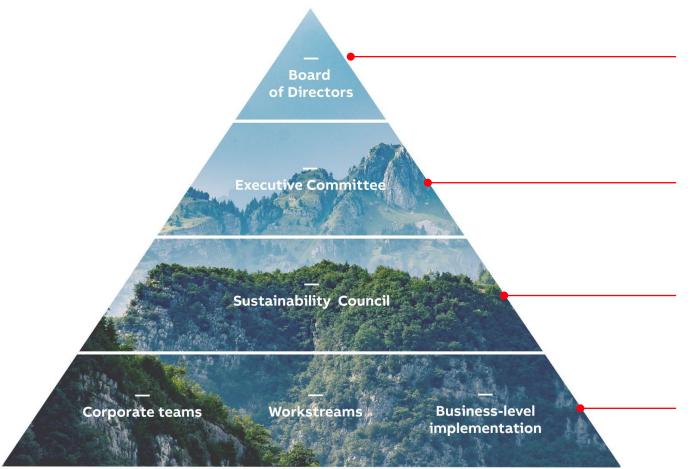
Supplier Code of Conduct





Sustainability governance

Embedded across the business



The Board of Directors reviews and approves the ABB's Sustainability Agenda and related targets. The Governance & Nomination Committee (GNC) is responsible for overseeing ABB's Sustainability Agenda while the Compensation Committee ensures that ABB's executive compensation policies are appropriately aligned with its Sustainability Agenda. The Finance, Audit and Compliance Committee (FACC) is responsible for the integrity of ABB's sustainability-related reporting.

The Executive Committee validates the Sustainability Agenda and its implementation. It is responsible for reviewing sustainability targets and ensuring that a sustainability culture is embedded in our business decisionmaking.

The Sustainability Council is the operational body that oversees the implementation of the Sustainability Agenda, reviews developments, and monitors progress toward targets. All business areas are represented in this Council by their heads of strategy as well as their respective sustainability leads

The Corporate teams shape ABB's Sustainability Agenda and ensure an accurate assessment of our and determine the sustainability performance. governance of their

The Workstreams establish targets and roadmaps respective topics.

The Business Areas and their **Divisions** are ultimately responsible for putting action plans in place and ensuring that appropriate resources are available.





At ABB, we have been enabling energy efficiency and electrification for over 140 years. Our solutions allow our customers to remain competitive while lowering their carbon footprint.

DISCOVER MORI

RECENT HIGHLIGHTS

2024

ABB's scope 1, 2 and 3 net-zero targets validated by SBTi

2020

Launch of ABB's sustainability targets for 2030

2000

ABB's first sustainability report, including environmental and social performance

#