

Ambitious Sustainability Development Goals (SDG's) have been set - Every business will become a Sustainable business

Sustainability and Technology driving the Twin Transformatin







8 DECENT WORK AND ECONOMIC GROWTH





10 REDUCED INEQUALITIES













13 CLIMATE ACTION









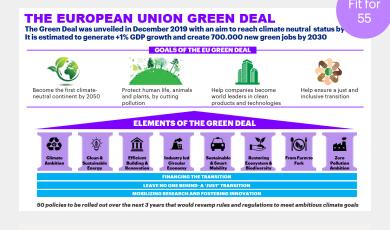




THE TIME

Sustainability is on top of the agenda of companies, governments. Europe is leading the way globally with massive transformation in the next decade.

Investments



- UK government to set in law world's most ambitious climate change target, cutting emissions by 78% by 2035 compared to 1990 levels
- for the first time, UK's sixth Carbon Budget will incorporate the UK's share of international aviation and shipping emissions
- this would bring the UK more than three-quarters of the way to net zero by 2050

Investors set the pace on corporate climate action

Concerned investors are starting to make corporate laggards take real action on climate change, but for some investors, they are not moving fast enough.

Major shifts

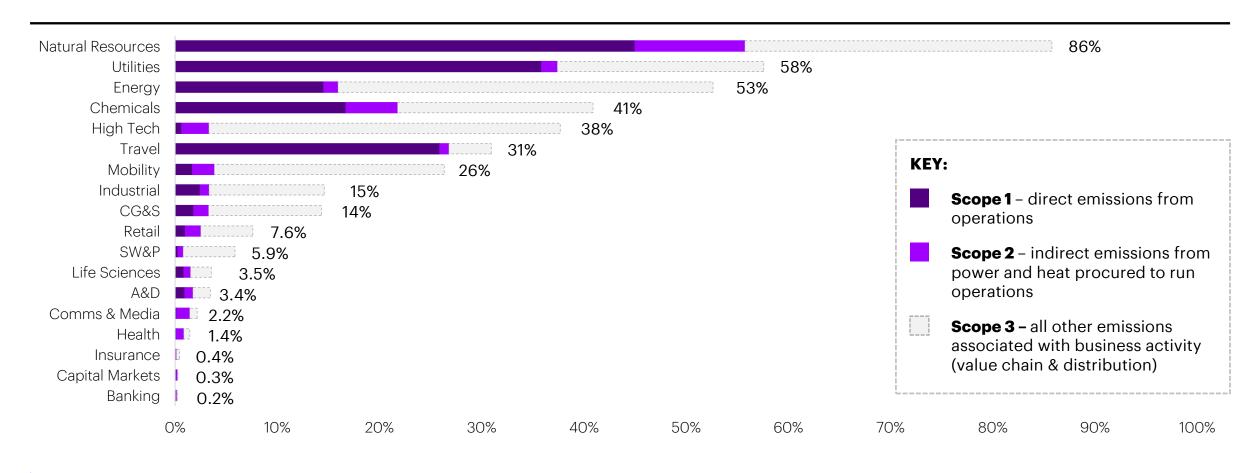
From	To (in 10 years)
Internal Combustion Engine (ICE)	eMobility
Coal & Gas	wind, solar & Nuclear power
Fossil based raw materials	Decarbonisation of Industries
Linear supply chains	Circular cradle to cradle
Grey Hydrogen	(blue), pink and green hydrogen
(partial) Free CO2 emissions	CO2 pricing (ETS) and 55% reduction
Centralized systems	Hybrid and decentralized systems
Fossil jet kerosine	Clean`bio jet fuels & electric
Mass agriculture	Bio & circular agribusiness

CO2 pricing/taxation will drive business re-invention

A moderate increase in the price of carbon would have a significant impact on operating margins for incumbents in many industries – thus changing the economics of sustainable alternatives

CARBON PRICE IMPACT¹

Proportion (%) of total industry operating margin that is at risk in the event of a \$40 average carbon price for Scope 1 and 2, and \$20 price for Scope 3



Many carbon-intensive companies have net-zero targets close to 2050, while many in services sectors aim for around 2035

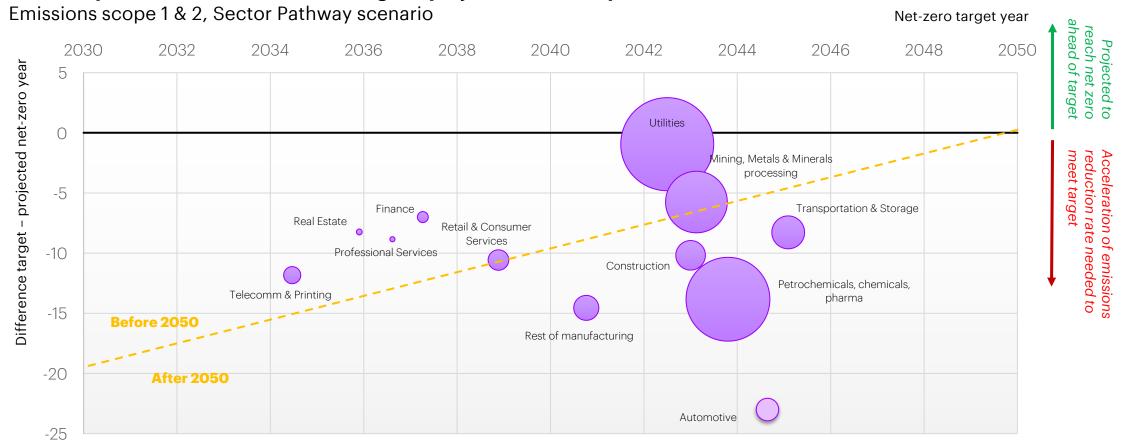
Within industries, between 31% to 53% of companies have set a net-zero target

Average years to net-zero target by industry % of companies Av. net-zero with net-zero target year 2030 2032 2034 2036 2040 2038 2042 2044 2046 target Telecom & printing 37% 2034 Real estate 44% 2036 2037 Finance 50% Professional services 28% 2037 Retail & consumer services 31% 2039 20 Manufacturing 34% 2041 22 Mining, metals & minerals 38% 2043 24 Construction 34% 2043 24 53% 2043 Utilities 24 2044 Petrochem., chem., pharma 46% 26 41% 2045 Transportation & storage 26 Automotive 47% 2045

...but some targets are not yet ambitious enough

The utilities sector would reach net-zero in line with their own net-zero targets in the sector pathway scenario, while other sectors will need to accelerate emissions reduction by more than a factor 2 to 3

Net-zero year vs difference between target & projected net-zero year



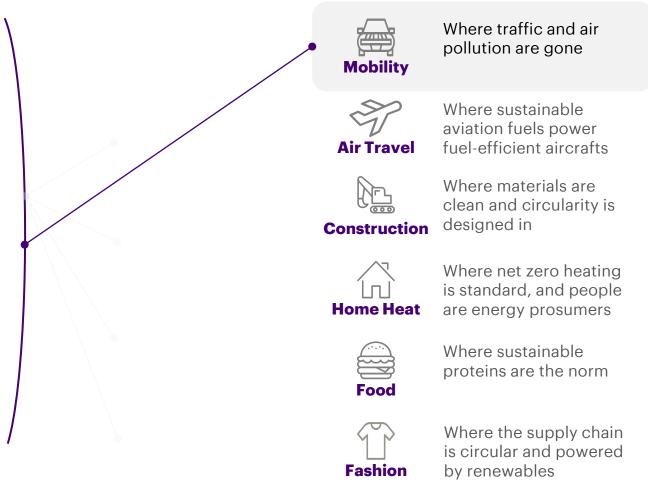


Entire markets and business models will be transformed

We envision the full transformative impact of sustainability on a set of markets,

Tomorrow's 'Sustainable Breakthrough Markets' are already emerging. ...

- Be close to achieving NET-ZERO EMISSIONS
- IMPROVE CONVENIENCE for consumers and businesses, by focusing on the delivery of human needs and wants
- Use radical **NEW TECHNOLOGIES** (digital, physical and biological) to address needs
- Be INHERENTLY COLLABORATIVE, demanding the convergence of traditionally distinct industries
- Result in NEW VALUE CREATION and a VALUE SHIFT away from legacy business models and modes of operation



'Sustainable Breakthrough Markets'...

A Global CEO perspective

The 2021 United Nations Global Compact-Accenture CEO study on Sustainability. 100 CEO interviews and surveys amongst 1200 CEO's, in 113 countries and 21 Industries are signaling a "call for Action" at COP 26



of CEOs think governments and policymakers have given them the clarity needed to meet their sustainability targets



of CEOs say they feel increasing pressure to act on sustainability over the next three years



of CEOs say supply chain interruptions due to extreme weather as a top risk, but only 7% are advanced in setting up early warning systems



57%

of CEOs say they are prioritizing climate action amid their recovery from the COVID-19 pandemic



71%

of CEOs say they are actively working to develop a net-zero emissions target for their company

Source: The United Nations Global Compact-Accepture CEO Study on Sustainability 2023

10 critical change levers

Climate leadership in the 11th hour

- 1. Align National Determined Contributions to a 1,5° warming trajectory
- 2. Enhance global cooperation on a Carbon Pricing mechanism
- 3. Meet an exceed 100 bn\$ Climate financing for the Global South
- 4. Establish common standards for biodiversity protection and circular economy
- 5. Stimulate, simplify and facilitate public/private collaboration
- 6. Implement ESG measurement & data standards
- 7. Acceleration & simplification of planning & permitting (<24 months)
- 8. Establish Sustainable procurement at all levels aligned with the 2030 goals
- 9. Increase investment, efforts and collaboration in Clean Technology R&D
- 10. Education and (re)-skilling



How can Technology help organizations meet their sustainability agenda?

accenture

The transition to a sustainable future is an interplay of Finance, Technology (Digital, Bio, Physical) and Human creativity

SUSTAINABLE BREAKTHROUGH MARKET

Supply scaling

Project finance, public co-funding & loans, IPOs, M&A, green bonds

- Manufacturing & distribution capacity (e.g., battery mega-factories, urban farming, labs for cultured meat)
- Upgrades of existing assets (e.g., CCUS installations, biofuel refineries, organic cotton farms)
- New business units to scale new business models (e.g., multi-modal mobility)

Innovation

Public R&D funding, corporate R&D investment, seed, private VC, corporate VC

- New materials (e.g., new concretes, new fabrics, new proteins, new battery types)
- Digital design solutions (e.g., digital twins, 3D printed products)
- · Biotech engineering (e.g., genetic/cellular engineering)
- Service design (e.g., user experience, as-a-service business models)

TODAY'S **MARKET**

Demand enablement & Customer Adoption

Government subsidies, tax incentives, public procurement

- CO2 pricing mechanism
- Public procurement schemes (e.g., bio-preferred programme, public fleet electrification, low-embodied carbon construction procurement)
- Subsidies and fiscal benefits for sustainable products (e.g., EV purchase grants, enhanced capital allowances)
- Bans and taxation of unsustainable products (meat tax. textile waste bans, urban low-emission zones)

Infrastructure development

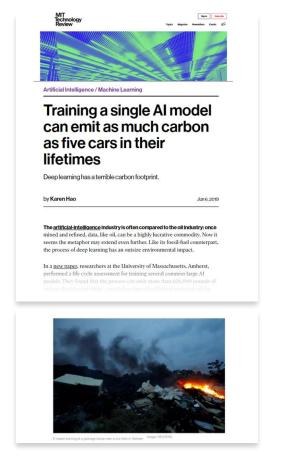
Project finance, government subsidies, public investment, development finance, global funds

- Distribution infrastructure (e.g., EV charging network, CCUS pipeline and storage, district heating, Power arids, Hydrogen)
- Waste processing, recycling facilities and reverse logistics infrastructure (e.g., robotic disassembly facilities, chemical recycling plants, secondary material marketplaces)

Digital Technology as key enabler

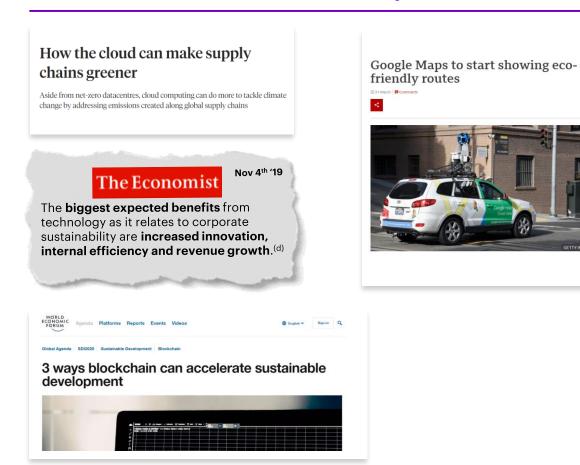
Businesses will need to use technology as a vehicle for being more sustainable

Sustainability in Technology...





... but also unlocks sustainability use cases



Sustainable Cloud

As a key lever of decarbonization, cloud migrations can deliver a double helix effect of shareholder & stakeholder value

Shifting from on-prem to public cloud can reduce carbon emissions by more than 84% and energy usage by 65%

Migrations to public cloud can reduce CO2 emissions by 59 million tons per year, the same as taking 22 million cars off the road

98% carbon reduction potential from optimizing apps for cloud architecture

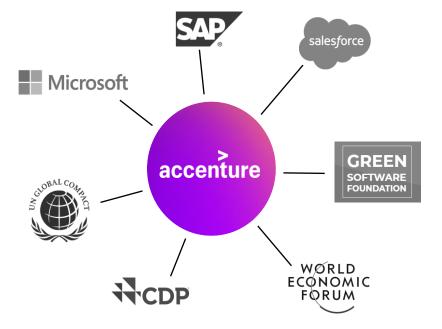


22 million



Sustainability at Scale

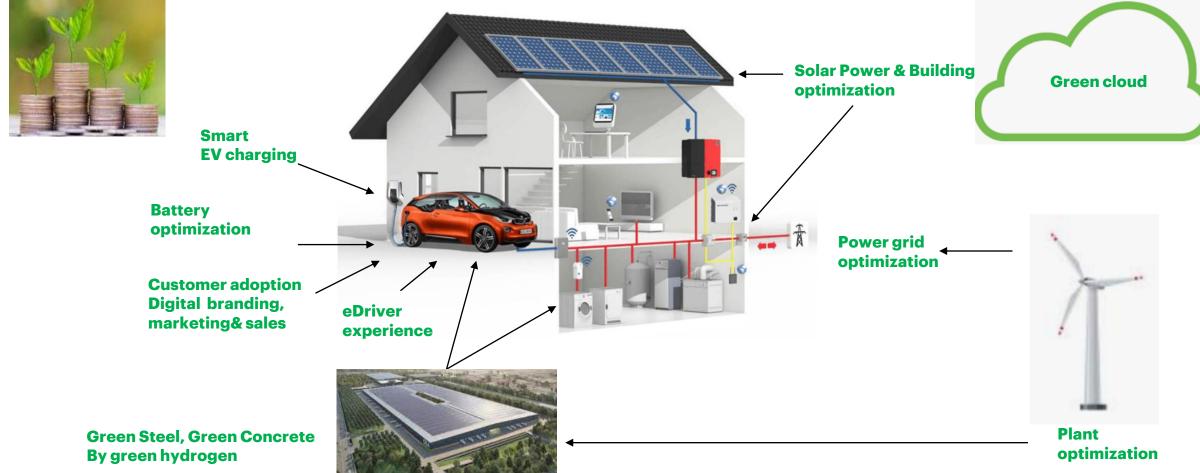
We help our clients collaborate with strategic partners to raise the bar and support market demand for responsible economies



Digital & Data enabling Sustainability growth and reinvention – eMobility case

ESG and Carbon regulatory framework (Global, EU)

Green Finance



Supply chain CO2 Track & Trace

