



Connecting regional innovation valleys through circular industries

Green Deal Industrial Plan for the Net-Zero Age



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The EUROPEAN GREEN DEAL



The EU will:



Become climate-neutral by 2050



Protect human life, animals and plants, by cutting pollution



Help companies become world leaders in clean products and technologies



Help ensure a just and inclusive transition

EU Industrial Strategy (2020)



GREEN TRANSITION

The European Green Deal is Europe's new growth strategy. At the heart of it is the goal of becoming the world's **first climate-neutral continent** by 2050.



GLOBAL COMPETITIVENESS

The right conditions are needed for entrepreneurs to turn their ideas into products and services and for companies of all sizes to thrive and grow.

The EU must leverage the impact, the size and the integration of its single market to make its voice count in the world and **set global standards**.



DIGITAL TRANSITION

Digital technologies are changing the face of industry and the way we do business.

They allow **economic players** to be more proactive, provide workers with new skills and support the decarbonisation of our economy.



Updated EU Industrial Strategy (2021)

Strengthening the resilience of Single Market



Single Market Emergency Instrument



Deepening the Single Market



Monitoring the Single Market

EU Open Strategic Autonomy



Diversified International Partnerships



Industrial Alliances



Monitoring of Strategic Dependencies

Accelerating the twin green & digital transition



Transition Pathways



Multi-Country projects



Analysis of the steel sector



Horizon Europe Partnerships



Abundant, accessible and affordable decarbonised energy



LONG-TERM COMPETITIVENESS OF THE EU: LOOKING BEYOND 2030

30TH ANNIVERSARY OF THE SINGLE MARKET
 #SingleMarket30

Based on 4 PILLARS



NINE DRIVERS FOR COMPETITIVENESS



The Green Deal Industrial Plan (2023)

The Green Deal Industrial Plan

Build the industrial capacity for the clean technologies that make up the Green Deal

REPowerEU

Respond to energy market disruption with affordable, secure and sustainable energy for Europe

The Recovery and Resilience Facility

Recover from the pandemic better prepared for the green and digital transitions

Based on 4

PILLARS



A predictable and simplified regulatory environment



Faster access to funding



Enhanced skills



Open trade for resilient supply chains

The Green Deal

Make Europe the first climate-neutral continent by 2050



Global trends

- The International Energy Agency estimates that the global market for key mass-manufactured clean energy technologies will be worth around USD 650 billion a year by 2030 – more than three times today's level
- The related energy manufacturing jobs could more than double in the same time period



EU's net-zero growth

- EU's net-zero start-ups ecosystem is worth over EUR 100 billion in 2021, doubling in value since 2020
- In 2022 wind and solar renewable energy production capacity in the EU exceeded 400 GW, an increase of over 25% compared to 2020



EU funding for the green transition

- EUR 250 billion for green measures already available under the RFF
- InvestEU can mobilise EUR 372 billion, including for net-zero investments
- EUR 40 billion under the Innovation Fund in the next decade



Green jobs

- The productivity in the clean energy sector is about 20% higher than on average across the economy
- The European economy counted 4.5 million green jobs in 2019 up from 3.2 million in 2000

The Green Deal Industrial Plan: 4 pillars

A predictable and simplified regulatory environment

Net-Zero Industry Act

- ❑ A Critical Raw Materials Act
- ❑ A reform of the electricity market design
- ❑ Use of harmonised sustainability and circularity requirements in public procurement

Faster access to funding

- Simplification of aid for renewable energy deployments
- Simplification of aid for decarbonising industrial processes
- Enhanced investment support schemes for production of strategic net-zero technologies, including via tax benefits
- More targeted aid for major new production projects in strategic net-zero value chains, taking into account global funding gaps

Enhanced skills

- Monitor supply and demand in skills and jobs in the sectors relevant for the green transition
- Opening new pathways for international STEM students and researchers
- Skills partnerships for onshore renewable energy, heat pumps and energy efficiency
- Establish Net-Zero Industry Academies to roll out up-skilling and re-skilling programmes in strategic industries
- Facilitate recognition of qualifications

Open trade for resilient supply

- ❖ develop the EU's network of Free Trade Agreements while making the most of those already in place
- ❖ cooperate with partners to support the green transition, like the EU-US Task Force on the Inflation Reduction Act
- ❖ explore raw materials partnerships with like-minded partners to establish a Critical Raw Materials Club
- ❖ explore Clean Tech/Net-Zero Industrial Partnerships promoting the adoption of clean technologies globally
- ❖ working on an EU export credits strategy
- ❖ deploy the International Procurement Instrument

Strategic projects at the heart of GDIP

CRITICAL RAW MATERIALS ACT

Identifying **Strategic projects** across the whole SRM value chain: extraction - processing - recycling

Selected by the Commission upon advice from the European Critical Raw Materials Board based on:

- Contribution to security of supply
- Sustainability
- Technical feasibility
- Cross-border benefits in EU/ Economic and social benefits in third countries

SUPPORT FROM AN EU-WIDE GOVERNING STRUCTURE

A European Critical Raw Materials Board will advise the Commission and facilitate EU-wide coordination and implementation of actions on exploration, monitoring, strategic stocks, strategic projects with third countries and provide advice for Strategic Projects' access to finance.

The Board will be chaired by the Commission and comprises Member States and the Commission with representatives from the European Parliament as observers.

It will maintain regular contact with relevant stakeholders to properly perform its functions.



NET ZERO INDUSTRY ACT

Regulatory sandboxes to help develop and test innovative net-zero technologies and create a level-playing field for innovation

Strategic Net-Zero Technology projects

Priority projects essential for reinforcing the resilience and competitiveness of the EU net-zero industry

- Priority status and obligations for Member States to process the permitting process faster via shorter time-limits.
- Shorter permitting deadlines (9-12 months)
- Overriding public interest
- MS and COM to support through crowd-in private investments in net-zero strategic projects to accelerate their implementation
- Benefit from finance coordination through Net-Zero Europe Platform



Solar photovoltaic and solar thermal



Electrolyzers and fuel cells



Onshore wind and offshore renewables



Sustainable biogas/ biomethane



Batteries and storage



Carbon capture and storage



Heat pumps and geothermal energy



Grid technologies

Thank you



https://ec.europa.eu/growth/industry/policy/cluster_en
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