



*How IoT and Edge Computing enables achieving **Green Deal** targets: Circular Economy/Green IoT*

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Delivering the European Green Deal – Fit for 55 package

The European Climate Law Regulation binding (!) from July 2021:

- Union-wide climate-neutrality objective 2050
- New 2030 target of at least 55% net greenhouse gas emissions reduction
- Recognition of the need to enhance the EU's carbon sink

13 interconnected legislative proposals to deliver on the ambitious target.

The package aims to make the EU 'fit for 55' in a

- fair,
- cost-efficient and
- competitive manner



Policy mix at a glance

Pricing	Targets	Rules
<ul style="list-style-type: none">• Stronger ETS including in aviation• Extending the ETS to maritime, road transport, and buildings• Updated Energy Taxation Directive• Carbon Border Adjustment Mechanism	<ul style="list-style-type: none">• Updated Effort Sharing Regulation• Updated LULUCF Regulation• Updated Renewable Energy Directive• Updated Energy Efficiency Directive	<ul style="list-style-type: none">• Stricter CO₂ performance for cars & vans• New infrastructure for alternative fuels• ReFuelEU: More sustainable aviation fuels• FuelEU: Cleaner maritime fuels
Support measures		
Using revenues and regulations to promote innovation, build solidarity and mitigate impacts for the vulnerable, notably through the new Social Climate Fund and enhanced Modernisation and Innovation Funds		

The Fit for 55 Package consists of a set of **inter-connected proposals that strike a careful balance** between pricing, targets, standards and support measures.

New EU commitments at COP26

- €1 billion in funding for the **Global Forests Finance Pledge** to protect, restore and sustainably manage forests worldwide;
- **Just Energy Transition Partnership with South Africa**, which will mobilise an initial commitment of \$8.5 billion for the first phase of financing;
- Official launch of the **Global Methane Pledge**, a joint EU-US initiative which has mobilised over 100 countries to cut their collective methane emissions by at least 30% by 2030, compared to 2020 levels;
- **EU-Catalyst** partnership with Bill Gates and EIB President Werner Hoyer to boost investments in critical climate technologies;
- New pledge of €100 million in finance for the **Climate Adaptation Fund**, by far the biggest pledge for the Adaptation Fund made by donors at COP26.



EU initiatives for IoT technology to contribute to climate goals

- Digital Europe Programme (co-funding by Recovery and Resilience Facility and Regional Funds)
- Green Deal initiatives:
 - Revised Energy Performance in Buildings Directive (Dec. 14)
 - Digitalisation of energy sector – EU action plan: consultation OPEN till 24/01!
 - Farm to Fork Strategy->EU Soil Strategy (for instance: FaST soil data platform)
 - Zero Pollution Action Plan
- Horizon Europe research – pillar II: Global Challenges and EU Industrial Competitiveness, Cluster 5 Climate, Energy and Mobility, missions:
 - Climate-neutral and smart cities
 - Adaptation to climate change including societal transformation
 - 'A Soil Deal for Europe', policy: disaster resilient societies; private-public partnerships
- Innovation fund – projects for climate mitigation/adaptation



Thank you



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