

Internet Energy Action Plan



AI Overview

The Energy Internet Action Plan is the EU's strategic framework to digitalize the energy system, integrating smart grids, AI, and data-driven solutions to enhance efficiency, sustainability, and consumer empowerment.

Overview The Energy Internet Action Plan, formally known as the Digitalising the Energy System EU Action Plan, was adopted in October 2022 to accelerate the digital transformation of Europe's energy sector. Its main goal is to create a sustainable, secure, and transparent energy system that leverages digital technologies to optimize energy generation, distribution, and consumption while supporting the EU's climate and energy objectives, including the European Green Deal.

Key Objectives

- Smart Grid Development:** Establish a digital twin of the European electricity grid to improve management, resilience, and operational efficiency.
- Consumer Empowerment:** Enable consumers to access and share their energy consumption and generation data securely, promoting participation in demand response and energy-saving programs.
- AI Integration:** Deploy AI solutions for grid optimization, energy efficiency in buildings and industry, and demand-side flexibility, while addressing energy consumption of data centers and ensuring trustworthy AI deployment.
- Data Governance:** Develop a common European energy data space to facilitate interoperability, data sharing, and coordinated development of digital energy services.
- Sustainability and Affordability:** Support the Affordable Energy Action Plan by reducing energy costs, promoting renewable energy, and enhancing market integration.

Key Actions and Implementation The plan initially outlined 24 key actions across six thematic areas, including:

- Adoption of interoperability rules for metering and consumption data (Q3 2022)
- Establishment of the Smart Energy Expert Group and the Data for Energy (D4E) working group to advise on smart energy solutions and cybersecurity (Q1 2023)
- Promotion of a code of conduct for energy-smart appliances to enable interoperability...

Article Content

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European Commission include the following key elements in its upcoming Electrification Action Plan: 2 Set an EU-wide mandatory electrification target of at least 32 per cent as indicated in the Clean Industrial

Digitalisation of the energy system EU action plan for digitalising energy

The action plan aims to ensure that the digitalisation of energy is fully part of the green energy transition, consistent with the digital targets for 2030.

UN Decade of Sustainable Energy for All to 2030:

Updated Global Plan of Action Clean and affordable energy is a cornerstone of the 2030 Agenda for Sustainable Development and essential to achieving the Paris Agreement on climate change.

Digitalisation

Several countries and regions have recently put forward strategies and action plans to facilitate the digital transformation of their energy systems, while others are

AI's Energy Demands Are Out of Control. Welcome to

Keeping that in mind, AI's energy consumption footprint could continue to grow in the near future, as generative AI tools are integrated into more corners

EU Strategic Roadmap for Digitalisation and AI in the Energy Sector ...

The Commission further commits to advancing implementation of the G7 Energy and AI Work Plan (see also G7 Leaders' Statement on AI for Prosperity). Flagship Action 7 – Tracking

JOINT VIEWS ON THE PROPOSAL FOR AN ACTION PLAN

To achieve a major link among EU's Digital Strategy and the Fit for 55 Package, the Action Plan should guide digitalisation of energy on matters such as security, consumer protection and security of supply.

ENER ad-hoc Working Group Digitalisation of Energy Action Plan

EU funding to accelerate the development and deployment of innovative digital energy solutions. Structured high-level dialogue on digitalisation of energy. Platform for cooperation between digital

Paris Climate Action Plan: Plan Climat 2024-2030

Paris' plan to reduce greenhouse gas (GHG) emissions, improve air quality, and adapt the city and its economy to the impacts of climate change. This is Paris'

Action Plan for Affordable Energy

The Commission's Action Plan for Affordable Energy puts forward a number of measures and actions to lower energy costs for European citizens and businesses.

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Energy union

As announced in the Action plan for affordable energy and the 2025 European Commission's Work Programme, the European Commission plans to present a

Day 60 of Middle East conflict

The United Arab Emirates will withdraw from the Organization of the Petroleum Exporting Countries (OPEC) this week, the UAE's state news agency

EU Action Plan Drives Digitalisation in Energy Sector with New ...

The plan outlines a clear vision and actionable measures to digitalise energy, aiming to improve energy market integration, decarbonisation efforts, and system resilience.

Digitalisation of the energy systems

Digitalisation can help integrate the (growing) share of renewable energy in the energy system by delivering flexible electricity systems.

Homepage | Global Platform for Action | Global Platform

How to get involved? The GPA offers you a platform to connect and collaborate with partners in bringing clean energy solutions to displacement settings. Becoming a

Israel hits Iran nuclear site and kills October 7

LIVE UPDATES: Israel has killed an October 7 mastermind in its latest wave of strikes against Iran, a day after Tehran said it would not negotiate

EU Action Plan for the Digitalisation of the Energy System

A European framework for sharing data to support innovative energy services Priority high-level use cases: (a) flexibility services, (b) smart charging of electric vehicles, and (c) buildings

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Energy Strategy Action Plan 2026 and Action Plan Report 2025

The Department for the Economy (DfE) has published the Energy Strategy Action Plan 2026, setting out a targeted programme of actions to accelerate delivery and progress towards the 2030 targets.

| IT News Archive | ComputerWeekly

Read all of the IT news from ComputerWeekly in this archive. Access all of our IT news articles and features published in the current month.

The EU #NatureRestoration Law

The Nature Restoration Regulation is the first continent-wide, comprehensive law of its kind. It is a key element of the EU Biodiversity Strategy,

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