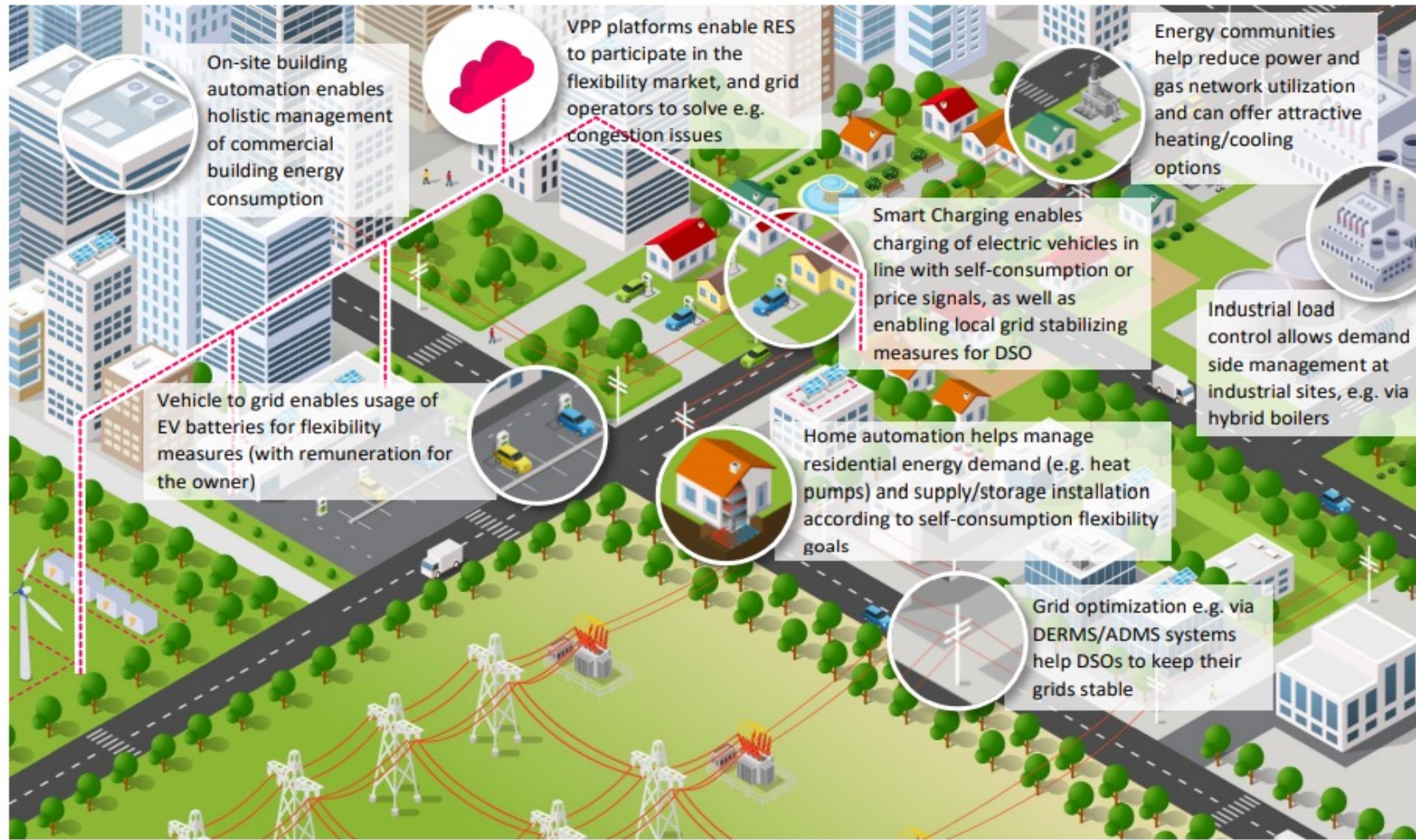


EU Action Plan for the Digitalisation of the Energy System



Smart Energy Management Webinar
26.03.2024
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Our goal: reaping the benefits of digitalisation



Main areas of the Digitalisation Action Plan





A European framework for sharing data to support innovative energy services



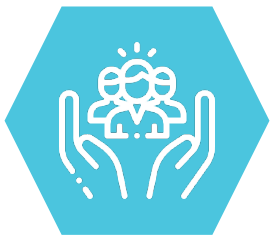
- Priority **high-level use cases**: (a) flexibility services, (b) smart charging of electric vehicles, and (c) buildings
- Developing a **Common European Energy Data Space** (interoperable framework of common standards and practices)
- Building on the energy and digital regulatory framework, including the **Implementing Act on smart metering and consumption data**
- Creating an EU **Smart Energy Expert Group** with a ‘Data for Energy’ working group



Increasing investments in digital energy infrastructure

- Creating a **digital twin** of the electricity grid with ENTSO-E and EU DSO Entity
- Supporting National Regulatory Authorities and ACER in defining common **smart grid indicators and objectives**





Empowering citizens



- Fitness Check of EU consumer law on digital fairness
- **Strategies to engage consumers** in the design and use of digital tools
- A **common reference framework for an app** helping consumers reduce their energy use, especially during peak hours
- Tools, guidance and a first-of-a-kind platform that facilitate the use of digital solutions in **energy communities**
- Large-scale partnership on the digitalisation of the energy value chain as part of the **EU's Pact for Skills**



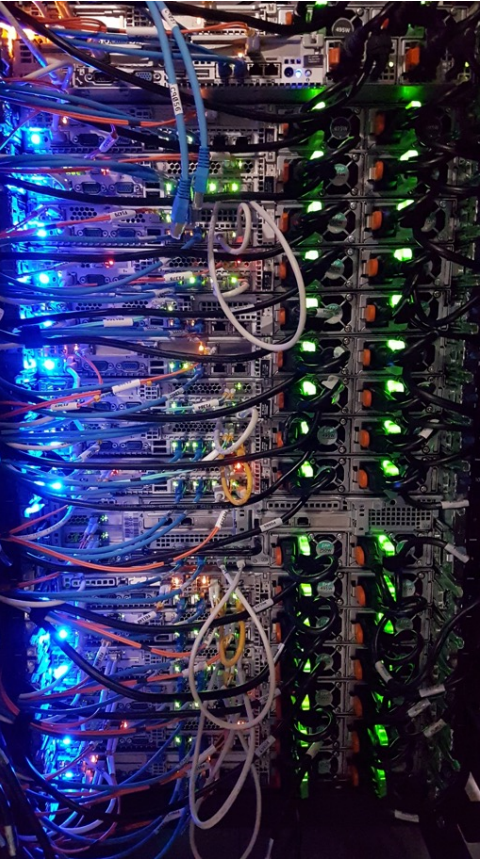
Ensuring cybersecurity



- Complement **cross-sector legislation**, such as the NIS 2 Directive, the Cyber-resilience Act, and the proposed Council Recommendation on critical infrastructure
- With a **network code for cybersecurity aspects of cross-border electricity flows**
- And later a **delegated act on the cybersecurity of gas and hydrogen networks**



Greening the ICT sector



- **Eco-design and labelling of products**
e.g. energy-label for computers
- Measures targeting **communication networks**
e.g. EU code of conduct for their sustainability
- Measures targeting **Data Centres**
e.g. environmental labelling scheme
- Measures targeting **crypto-assets**
e.g. energy-efficiency label for blockchains



An EU-wide coordinated approach



- Increasing investments in digital solutions in **National Energy and Climate Plans, Digital Decade roadmaps, and Recovery and Resilience Plans**
- **EU funding** to accelerate the **development and deployment** of innovative digital energy solutions
- Structured **high-level dialogue** on digitalisation
- **Platform for cooperation** between digital and energy innovators
- Reinforcing **international collaboration**

Thank you

Stay informed: https://energy.ec.europa.eu/topics/energy-system-integration/digitalisation-energy-sector_en