

## Green digital sector

Europe's digital transition goes hand in hand with the European Green Deal.



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During the Digital Decade, Europe faces two important challenges: the green transition and the digital transition.

These might seem like two distinct issues, but really, they are twin challenges: neither can succeed without the other. And, they are both equally important for Europe's future.

Bringing digital into our lives is helping us reduce our carbon footprint. We can join videoconferences rather than traveling to meetings, monitor how much energy our homes are consuming, and even boost sustainability in farming.

However, we need to ensure that digital technologies do not consume more energy than they save. At present, digital technologies account for between 8-10% of our energy consumption, and 2-4% of our greenhouse gas emissions – small percentages but big numbers.

We can make a number of changes in our digital lives to reduce our environmental impact in this area. For example, increasing the lifetime of a smartphone by just 1 year is equivalent to removing 1 million cars from our roads. Switching from 4G to 5G networks reduces energy consumption by 90%. And, if 40% of the workforce teleworks for two days a week we can reduce CO2 emissions by 5.2 million tonnes.

The EU is researching these opportunities and more. It will update existing laws and introduce new measures to achieve our green and digital goals for the next decade. One such measure is ensuring data centres are climate neutral, energy-efficient and sustainable by 2030 at the latest.

The EU is also exploring voluntary and binding measures to help the private sector become climate neutral and use more renewable resources, such as the European Green Digital Coalition.

Follow the latest progress and learn more about getting involved.

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## Latest

PRESS RELEASE | 30 September 2021

Trade and Technology Council: Inaugural meeting  
agrees on important deliverables and outlines  
areas for future EU-US cooperation

At the first meeting of the Trade and Technology  
Council (TTC) in Pittsburgh, the EU and the US  
agreed on concrete deliverables and outlined the

future scope of work. Notably, the EU and the US committed to cooperating closely on shared priorities such as export controls, foreign investment screening, critical and emerging technology standards including Artificial Intelligence, and secure supply chains including on semiconductors. They also agreed to work together on important global trade issues, such as the challenges posed by non-market economies and trade-related climate and environment

CALL FOR TENDERS | 05 July 2021 to 03 September 2021

The Economic Potential of Far Edge Computing in the Future Smart Internet of Things

The European Commission has launched a call for tenders to study the economic potential of Edge and Far Edge Computing in the Next-Generation Internet of Things.

NEWS ARTICLE | 29 June 2021

Call for tenders open: new Polish pre-commercial procurement on storage of heat and cold

The Polish National Center for Research and Development invites interested bidders to submit offers for its new pre-commercial procurements. Aim is the development of innovative, energy-efficient and economically efficient systems for the production and supply of heat and cold to single-family houses and office buildings, in which the storage system would make the supply of heat and / or cold independent of the instantaneous supply of electricity. Deadline for submission of offers: 26 July 2021

REPORT / STUDY | 25 June 2021

4th B2G data sharing workshop - A private sector perspective

For years, cities and communities have been raising their voices about the importance of privately held data for their city management; to

know where traffic flows are, where tourists come from or what consumer purchasing patterns are in certain parts of town. These data are regularly collected by companies, but for various reasons, are often not shared or not shared in a format useful for policy-making. Research shows that some approaches already exist to tap into such data, but they are often sub-optimal and do not scale up. A series of business-to-government (B2G) workshops are organised to

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### Dig deeper

European Green Digital Coalition

The European Green Digital Coalition is a group of companies committed to supporting the Green and Digital Transformation of the EU.

### Explore this site

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## Green cloud and green data centres

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