

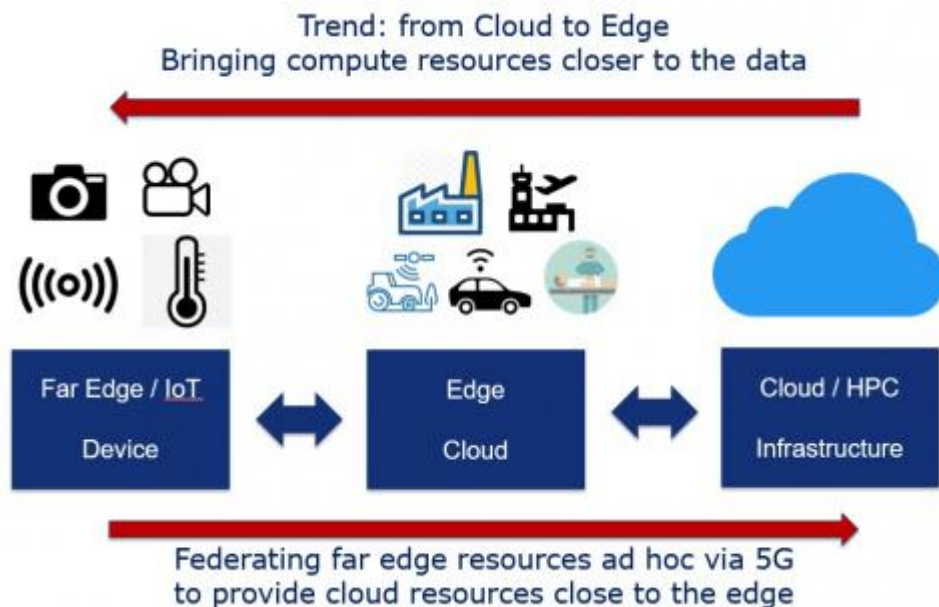
## The next generation Internet of Things

The future Internet of Things and Edge Computing can revolutionise the way production and processes are organised and monitored across strategic value chains.



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Along with artificial intelligence (AI) and big data, the Internet of Things (IoT) is at the centre of the digitisation of the world economy. Data collected from sensors can be monitored and fed back to instigate an action, gain insights or respond to another connected object hundreds of miles away. With processing moving to the edge, we can avoid unnecessary communication and storage costs whilst applying machine learning and AI to identify data patterns that have an impact on physical processes or businesses.



Advanced Research &

Technology for Embedded Intelligent Systems Industry Association (ARTEMIS-IA) represents members in European industry, SMEs, universities and research institutes in the Electronic Components & Systems for European Leadership Joint Undertaking (ECSEL-JU). ARTEMIS-IA promotes the research and innovation interests of its members to the Commission as well as to the governments of participating Member States.

## Latest

NEWS ARTICLE | 29 June 2021

Call for tenders open: Andalusian pre-commercial procurement on digital agri-food inspection

The Andalusian Agricultural and Fisheries Management Agency invites potentially interested bidders to submit offers for its pre-commercial procurement. Aim is to develop innovative analytical methods that enable in-situ agri-food inspection via portable devices for two purposes: (lot 1) on-the-spot detection of tampering with the pureness / consistency of olive oils, enabling to differentiate between different categories of olive oils, as well as detecting mixtures between categories.

(lot 2) on-the-spot detection of toxic substances (biotoxins) in different types of seafood, enabling to

NEWS ARTICLE | 21 May 2021

Smart IoT solutions cut costs and increase efficiency of building management

Pre-commercial procurement propelled the business of the Irish start-up Safecility to commercialise innovative IoT solutions that enable public authorities to implement automated remote building management. Customers also use Safecility's solution successfully today to overcome the challenges of manual building inspections due to COVID-19 restrictions. Since this project, the company increased revenues, doubled its workforce and is working together with large electronics companies to commercialise its solutions more widely.

NEWS ARTICLE | 22 March 2021

Call for tenders open: Spanish national cybersecurity institute launches pre-commercial procurement

The Institute for Business Competitiveness and the Spanish national cybersecurity competence center (INCIBE) invite interested bidders to submit offers for their first pre-commercial procurement in the cybersecurity field. The aim is to develop tools that can discover and eliminate websites or domains where hidden illegal activities happen, not only on the regular Internet but also on the Deep Web. The procurement receives funding from the European Union's European Regional Development Fund. Check out the video presentation of the tender scope. Deadline for submission of offers: 14 May 2021

REPORT / STUDY | 10 March 2021

Digitranscope project key findings

The final report of the Digitranscope project examines the role of governments and the EU in distributing the value generated from data more equitably in society. The report highlights the need for the EU and its Member States to intensify and accelerate the development of a European way of governing digitization.

Browse Internet of Things

## **Related Content**

### **Big Picture**

Europe's Internet of Things Policy

The EU actively cooperates with industry, organisations and academia to unleash the potential of the Internet of Things across the EU and beyond.

### **Dig deeper**

The Internet of Things in European healthcare

The Commission has contracted numerous large-scale innovation pilots to help drive the digitisation of industry, including the healthcare sector.

Large-scale pilots in smart cities and rural smart communities

In recent years, the Commission has established numerous large-scale pilots (LSPs) to help drive the digitisation of industry across Europe and beyond.

The Digitisation of the European Agricultural Sector

The digital transformation of agriculture will facilitate cooperation across the value chain, support farmers, and offer opportunities for innovative SMEs.

## **See Also**

Mapping Internet of Things innovation clusters in Europe

A study carried out on Internet of Things (IoT) clusters in Europe provides a deeper understanding of dynamics, drivers and success factors in this area.

Secure solutions for the Internet of Things

The Commission is working to ensure more robust and resilient security frameworks for IoT devices and the networks of which they are a part.

## **Find out more**

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