

Advanced Technologies for Industry Product Watch Reports

The Product Watch

The **Product Watch** analyses novel products that are based on advanced technologies (AT). Promising AT-based products can be defined as “enabling products for the development of goods and services enhancing their overall commercial and social value, embedded by constituent parts that are based on Augmented and Virtual Reality, Big Data and Analytics, Blockchain, Cloud, Artificial Intelligence, the Internet of Things, Mobility, Robotics, Security, Connectivity, Nanotechnology, Micro and Nanoelectronics, Industrial Biotechnology, Advanced Materials and/or Photonics and, but not limited to, produced by Advanced Manufacturing Technologies”.

What information to expect in the Product Watch reports:



Background and objectives

The background and objectives of the report include a sketch of the market that the product moves in and the relevance of the product.



Value Chain Analysis

The Value Chain Analysis provides an overview of the key actors, alongside the current state of play of the linkages across the value chain, providing useful insights in the structure and characterisation of the value chain.



Analysis of EU competitive position

The analysis of the EU competitive positions is based on the strengths, weaknesses, opportunities and threats (SWOT). The SWOT analysis exposes the risks and challenges of the competitive positioning.



Conclusions and Outlook

All reports conclude with the pros and cons of AT-based products with regards to helping the EU industry to stay ahead of global competition, divided into a conclusions and outlook section, as well as the impact of Covid-19 pandemic on the specific product.



Solid-state-lithium-ion batteries for electric vehicles (SSBs)

Available at:

<https://ati.ec.europa.eu/reports/product-watch/solid-state-lithium-ion-batteries-electric-vehicles>



3D printing of hybrid components

Available at:

<https://ati.ec.europa.eu/reports/product-watch/3d-printing-hybrid-components>



Sensors for farm management of livestock value chain

Available at:

<https://ati.ec.europa.eu/reports/product-watch/product-watch-sensors-farm-management-livestock-value-chain>



Bio-based flavours and fragrances

Available at:

<https://ati.ec.europa.eu/reports/product-watch/bio-based-flavours-and-fragrances>



Artificial Intelligence-based software as a medical device

Available at:

<https://ati.ec.europa.eu/reports/product-watch/artificial-intelligence-based-software-medical-device>



IoT components in connected and autonomous vehicles

Available at:

<https://ati.ec.europa.eu/reports/product-watch/iot-components-connected-and-autonomous-vehicles>



Synthetic fuels

Available at:

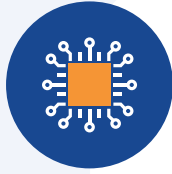
<https://ati.ec.europa.eu/reports/product-watch/synthetic-fuels>



Photonics for high intensity farming

Available at:

<https://ati.ec.europa.eu/reports/product-watch/photonics-technology-high-intensity-farming>



Flexible and printed electronics

Available at:

<https://ati.ec.europa.eu/reports/product-watch/flexible-and-printed-electronics>



3D printing for the machine tool industry

Available at:

<https://ati.ec.europa.eu/reports/product-watch/3d-printing-machine-tool-industry>



Satellites and drones for less intensive farming and arable crops

Available at:

<https://ati.ec.europa.eu/reports/product-watch/satellites-and-drones-less-intensive-farming-and-arable-crops>



Advanced Manufacturing and Robotics for ICT Manufacturing

Available at:

<https://ati.ec.europa.eu/reports/product-watch/advanced-manufacturing-and-robotics-ict-manufacturing>



Lightweight materials

Available at:

<https://ati.ec.europa.eu/reports/product-watch/lightweight-materials>



Robotics for food processing and preparation

Available at:

<https://ati.ec.europa.eu/reports/product-watch/robotics-food-processing-and-preparation>



Nano-enabled microsystems for bio analysis

Available at:

<https://ati.ec.europa.eu/reports/product-watch/nano-enabled-microsystems-bio-analysis>

About the Advanced Technologies for Industry (ATI) project

The ATI project – funded by the European Commission – supports the **implementation** of Europe's new growth strategy with a systematic monitoring of **technological trends** and reliable, **up-to-date data** on advanced technologies.



The **Product Watch** analyses novel products that are based on advanced technologies for the development of goods and services – enhancing their overall commercial and social value. It supports cluster organisations and S3 partnerships, providing intelligence on innovation areas where European regions could team up and invest together.

For more information, read the Product Watch reports here:

<https://ati.ec.europa.eu/reports/product-watch>



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