Alliance for AI, IoT and Edge Continuum Innovation

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AIOTI Feedback on the Industrial Accelerator Act

Introduction

AIOTI welcomes the European Commission's adoption of the Industrial Accelerator Act aimed at accelerating industrial decarbonisation and strengthening Europe's competitiveness.

AIOTI believes that digital technologies such as IoT, edge computing, AI, connectivity, and digital twins are essential enablers of the green transition.

The Industrial Accelerator Act should therefore ensure that digital innovation is fully integrated into Europe's decarbonisation strategy.

Some aspects related to "Made in Europe" criteria or public procurement for vehicle could create difficulties or, even disruptions, in the context of the Automobile supply chain.

Key Recommendations

Recognise digital technologies as decarbonisation enablers

The Act should explicitly recognise the role of:

IoT and smart sensors, edge and cloud computing, AI-driven optimization, digital twins; Industrial data spaces, automation and advanced connectivity.

These technologies help industries reduce emissions, improve energy efficiency, optimise resource use, and strengthen operational resilience.

Promote interoperability and industrial data sharing

AIOTI encourages the Commission to support, trusted industrial data spaces, open standards and interoperability, secure cross-border data sharing, common European digital infrastructures.

Interoperability is essential to scale industrial decarbonisation solutions across sectors and value chains.

Support SMEs and innovation deployment

SMEs play a critical role in Europe's industrial ecosystem.

The Industrial Accelerator Act should facilitate:

- Easier access to EU funding;

- Innovation and testing facilities;
- Digital skills and reskilling programmes;
- Deployment support for digital and green technologies.

Strengthen secure and resilient digital infrastructure

Industrial decarbonization relies deeply on secure, resilient digital infrastructure. Advanced technologies like the Industrial Internet of Things (IIoT), artificial intelligence, and digital twins optimize energy use, track emissions, and integrate renewable power. Without robust digital networks, managing these complex systems is impossible. In this sense AIOTI recommends investments in:

- Edge-to-cloud infrastructure;
- 5G and future connectivity networks;
- Industrial cybersecurity;
- Energy-efficient digital systems.
- Open, souvereign APIs

Keep pace on Smart Mobility innovation and market

Significant innovations are expected on Smart Mobility, targeting Mobility emission impacts, safety, Autonomous Driving and also User experience. Smart Mobility transformation will mainly result from Digital Transformation of Mobility services, infrastructure and mainly vehicle (i.e. SW Defined Vehicle, Autonomous Driving).

EU Vehicle Manufacturers are companies with global value chain and market, needing to keep track on innovation and design competitive products. Competition requires EU Vehicle manufacturers and their suppliers to have freedom to select their suppliers and their partners across all their market regions, in the context of very complex and SW defined products.

EU Vehicle manufacturers have established design centres in Asia (China, Korea …) or America (Mexico, USA …) and use supply chain components from these countries, not only to adapt their vehicle to external markets, but also to contribute to the developments of vehicles targeted for the EU market.

One interesting example with the VW ID.4 in America: "…The vehicle includes materials and components assembled in 11 U.S. states, from steel in Alabama and Ohio, to interior parts in Indiana and South Carolina, and electronics components in Kentucky and North Carolina. The EV battery will be supplied by SK Innovation located in Georgia" [1]

Renault is another example with its Ampere China Development Centre: "*Launched in 2024, ACDC is designed to plug directly into China's fast-moving EV ecosystem, accelerating time-to-market, scouting innovation, and building strategic partnerships. It's about acting local to*

[1] https://www.volkswagen-newsroom.com/en/press-releases/volkswagen-starts-us-assembly-of-all-electric-id4-flagship-in-chattanooga-tennessee-15079

deliver global impact. Take the soon to be unveiled Twingo as an example. Born in France, developed in China, produced in Europe—and delivered in under two years. This is a car that brings together the right technologies at the right price for European customers" [2]

Stellantis has a similar use case with the Citroen C3 Aircross developments to accelerate market penetration in India, Indonesia and South America: "… all-New C3 Aircross has been developed with direct input from regional teams and local consumers and will be produced in Porto Real, Brazil and Thiruvallur, India with around 90% of local integration". [3]

While creating new barriers in the global supply chain, the IAA may negatively impact the supply chain and thus the business model of EU vehicle industries. Instead of creating restriction in the global development, supply chain and market, regulations should support initiative to strengthen EU industries by increasing their competitiveness and Research & Innovation capacities, which will result in reducing supply chain dependencies on other continents (mitigating risks) and ensure technology governance.

Supporting transformation of Smart Mobility and also decarbonisation, needs to ensure access to essential technologies or components designed and produced by non-EU countries.

Conclusion

AIOTI supports the objectives of the Industrial Accelerator Act and encourages the European Commission to ensure strong alignment between industrial, digital, and sustainability policies.

Digital technologies will be fundamental to achieving Europe's climate neutrality objectives while maintaining industrial competitiveness and resilience.

AIOTI raises potential impacts on Smart Mobility, with regards to objectives of Safe, Climate Neutral and efficient Mobility, due to disruptive impacts on the Automotive Supply chain, e.g., EV or Autonomous Driving System.

AIOTI remains available to contribute to future stakeholder discussions and implementation activities.

[2] https://www.renaultgroup.com/en/magazine/technology/futurgen-insight-driving-the-electric-revolution-together-with-our-partners-in-china

[3] https://www.media.stellantis.com/em-en/citroen/press/citroen-accelerates-growth-in-india-south-east-asia-and-south-america-locally-engineered-and-built-all-new-c3-aircross-suv-is-tough-outside-and-caring-inside?adobe_mc_ref=