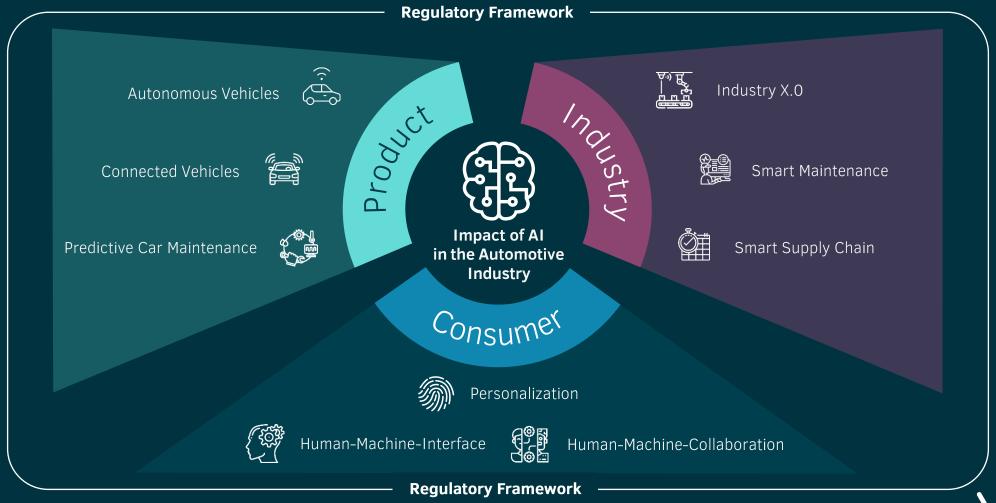


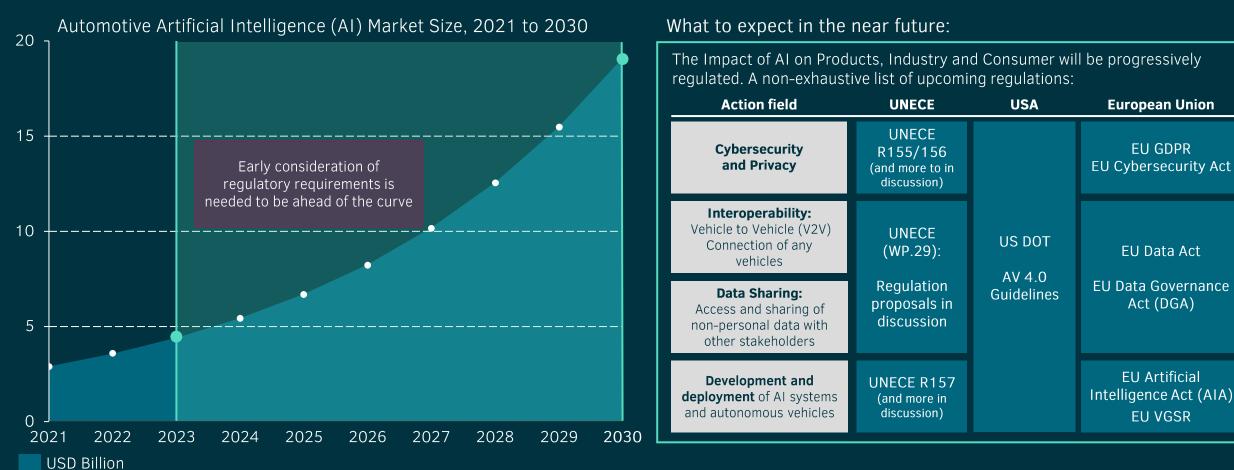
accilium

The rapid digitization and the introduction of Artificial Intelligence (AI) in the automotive industry have far-reaching implications for safety and bring along new regulatory requirements



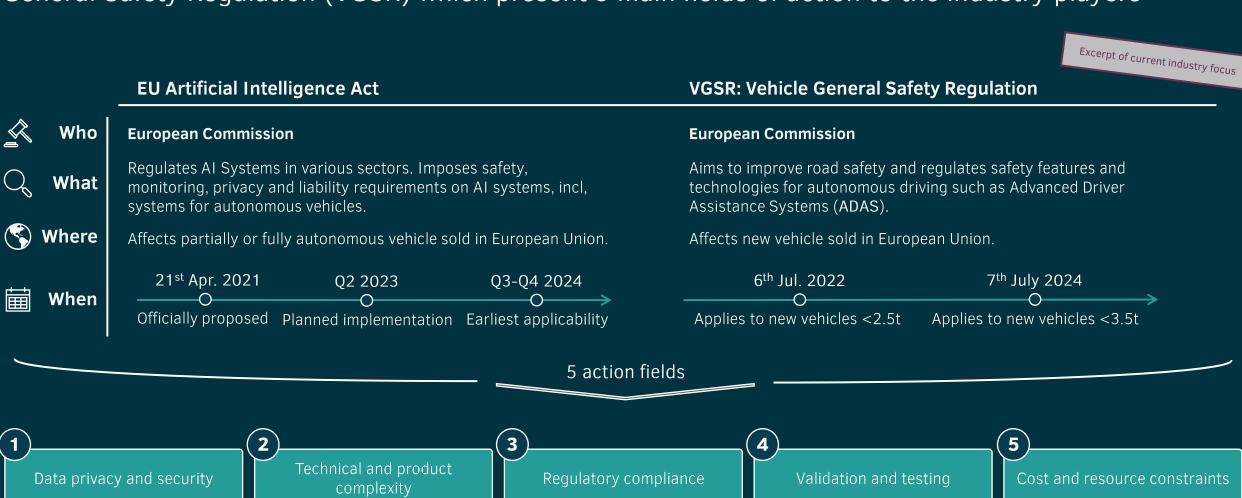


The successful incorporation of AI in the automotive industry depends on the early consideration of regulatory requirements





The current focus in the automotive industry is the EU Artificial Intelligence Act and the Vehicle General Safety Regulation (VGSR) which present 5 main fields of action to the industry players





The 5 fields of action have a massive impact on various processes of the automotive players and the homologation of the OEMs and result in 4 challenges

homologation of the OEMs and result in 4 challenges

(1) (2) (3) (4) (5)

Regulatory compliance

Impact

Technical and product complexity

Data privacy and security

Validation and testing

Cost and resource constraints

Manufacturers / OEMs

- Reconfiguration of audit and homologation process to ensure legal conformity
- 2 Extensive assessment of existing processes and IT landscape with strong interdependence between various departments
- Cross boundary knowledge transfer for stronger interaction between stakeholders (OEM & suppliers) while increasing overall safety
- Knowledge elaboration within the company and fight for knowledge leadership within the market
- New regulations affects the technology choices of manufacturers, potentially resulting in a reduction of available product options

Suppliers

- Meeting the new requirements from OEMs to map the regulations by reevaluating the existing supply-chain
- (2) Adaption of existing product strategy to meet legal requirements
- (3) Respond to increasing security and safety requirements
- (4) Reevaluation of the existing validation process and extension of testing
- Cost effective positioning of company and product / service portfolio with consideration to new innovative market players

Challenges

Impact



Changed cost & pricing structures



Increased process and system adaption



Cross organizational stakeholder management



Newly formed market conditions





In order to future-proof existing processes and systems and to safely integrate AI technology into vehicles, action must be taken at an early stage



Why you should act now

- The use of AI in the automotive industry is **growing rapidly** and more and **more vehicles are being equipped with AI systems**.
- Therefore, regulators are increasingly looking at the **use of AI technology** and have **already issued standards** for their use.
- By addressing AI regulations, automotive players ensure that they comply with the necessary regulations and standards and minimize potential risks, which ultimately increases consumer adaption of AI-based vehicle systems.



What's in it for you

- **1. Improved safety:** By complying with AI regulations such as UNECE No. 157 and VGSR the overall safety of vehicles increases.
- **2. Enhanced trust:** Complying with AI regulations helps building trust with customers and stakeholders, as it demonstrates a commitment to ethical and responsible use of AI technology.
- **3. Secured market position:** Acting at an early stage ensures the company's competitive position against new players and future-proofs the product portfolio.



accilium serves as a sparring partner and supports clients through the entire process with strong focus on strategy and IT transformation within projects affected by AI regulations.



Contact our team for more insights



Michael Weingärtner

Senior Manager +43 676 770 074 0 michael.weingaertner@accilium.com



Dr. Christina F. Edye

Associate +49 173 4384 549 Christina.edye@accilium.com



CONTACT

office@accilium.com +43 1 934 68 05

accilium.com

















