

Trends in the Automotive-Mobility Sector

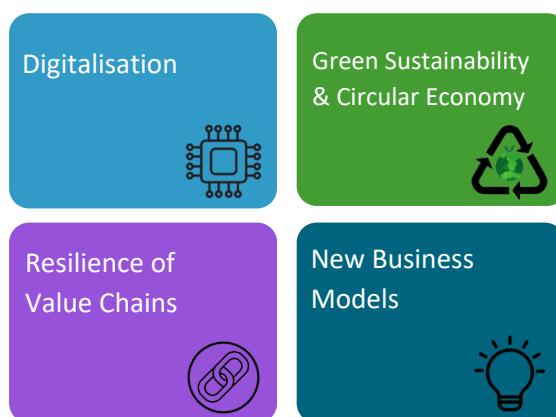


Sectoral Skills Intelligence Reactive Response (D2.1)

Deliverable 2.1 is composed of a Desk Research Report (1) a Survey Report (2) and a Workshops Report (3).

1 Sectoral Skills Intelligence Reactive Response - DESK RESEARCH

The **Desk Research Report** is a study delivering an overview of the state-of-the-art of the automotive-mobility sector by providing a quantitative and qualitative evaluation of its main sectoral trends for 2030-2050. It will feed into TRIREME future work, which, in return, will enrich the initial research. Ultimately, TRIREME will deliver a final overview of the skills intelligence and occupations and consequent need for training in the sector.

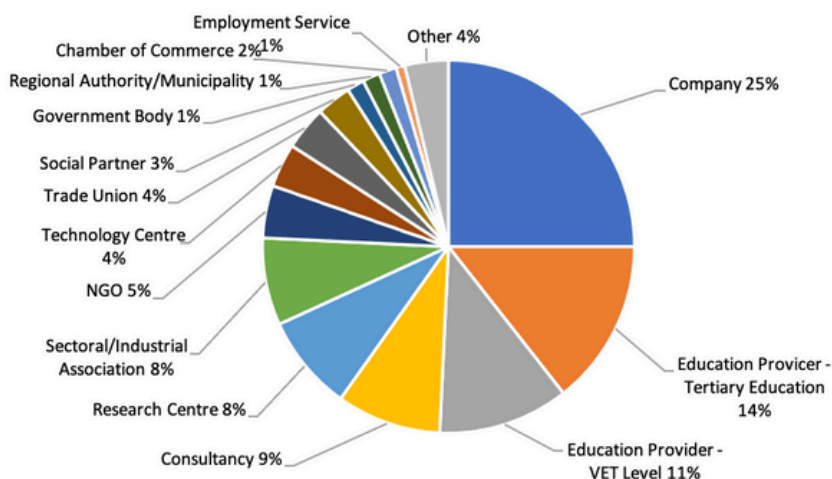


Four macro topics identified as the key trends to research

2 Sectoral Skills Intelligence Reactive Response - SURVEY

The **Survey Report** analyses the survey conducted by TRIREME between July and September 2024. The study targeted key stakeholders within the Automotive-Mobility ecosystem with the purpose of gathering insights on the four key trends. It was the first of a series of surveys that will be carried out throughout the project duration.

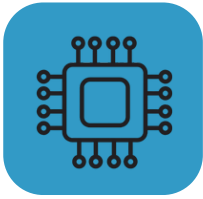
A total of 105 stakeholders replied to the survey.



Respondents by type of organisation

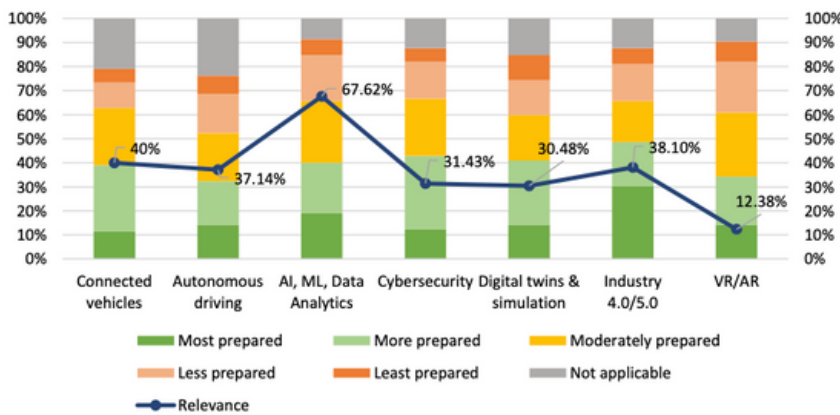
Complete details on the respondents can be found in the **Survey Report** (pages 5 to 10).

The **Survey Report** provides an in-depth analysis on the four macro-topics, and related sub-categories, that were identified as the main **sectoral trends**.



Digitalisation is transforming the automotive industry by enhancing digital services and connectivity, using technologies such as digital twins, simulation, virtual and augmented reality, and autonomous driving.

DIGITALISATION – RELEVANCE & PREPAREDNESS



Comparison of relevance and preparedness for digitalisation trends

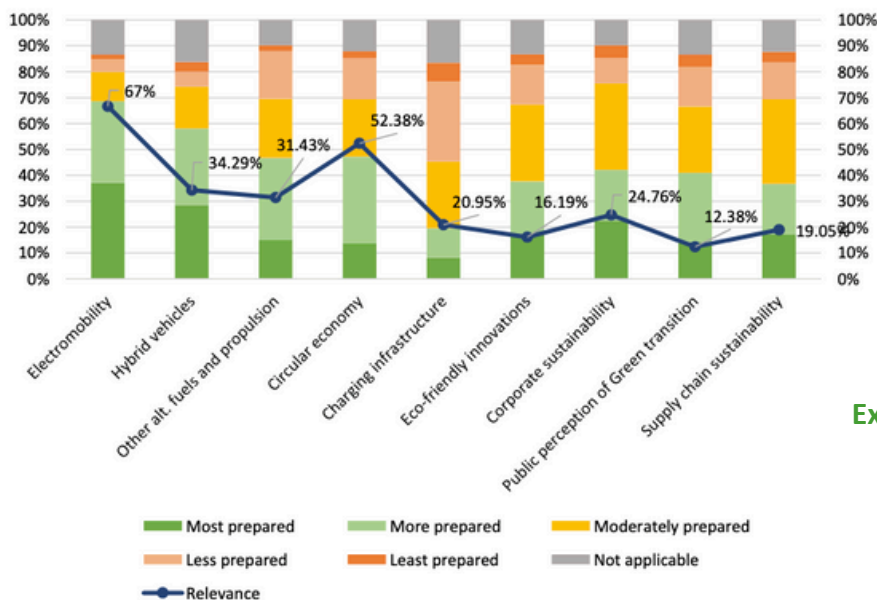


[Explore all Digitalisation-related findings](#)



The automotive industry is increasingly embracing the principles of **green practices, sustainability, and a circular economy**. This trend focuses on electromobility, the adoption of alternative fuels, and innovative approaches to resource management, aiming to create a more sustainable future.

GREEN TRENDS – RELEVANCE & PREPAREDNESS



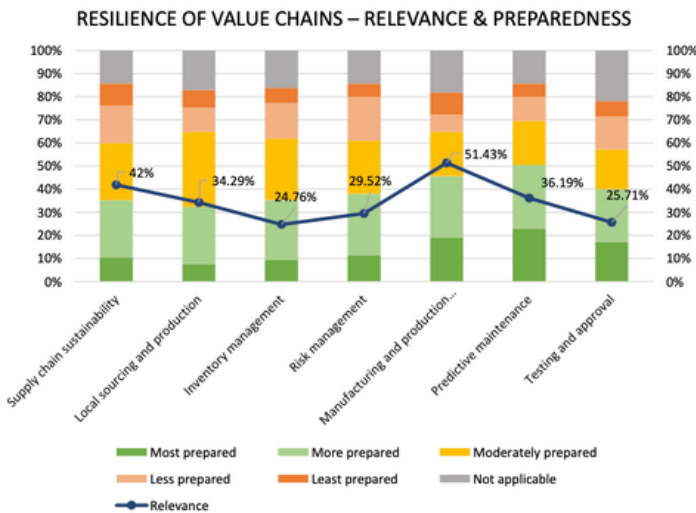
Comparison of relevance and preparedness for green sustainability and circular economy trends



[Explore all Sustainability-related findings](#)



The **resilience of value chains** is becoming increasingly vital in the automotive industry as companies navigate complex global landscapes and respond to ever-changing market demands. This trend emphasises the importance of robust logistics, material and software resiliency, repair and maintenance capabilities, and effective manufacturing processes.

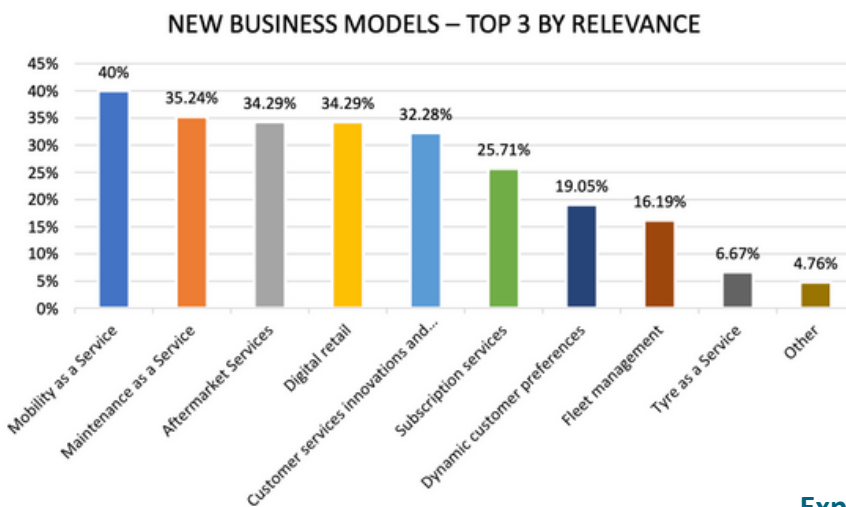


[Explore all Resilience-related findings](#)

Comparison of relevance and preparedness for resilience of value chain trends



The emergence of **new business models** is reshaping the automotive-mobility landscape, driven by innovations such as Mobility as a Service (MaaS), Tire as a Service, Maintenance as a Service, and evolving customer preferences.



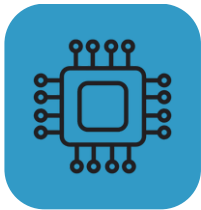
[Explore all New Business Models-related findings](#)

Relevance of new business models trends in the near future

3

Sectoral Skills Intelligence Reactive Response - **WORKSHOPS**

The **Workshops Report** provides the outcomes of the initial series of workshops organised with the purpose of gathering insights from - and engaging with - stakeholders within the Automotive-Mobility ecosystem: companies, VET providers, sectoral/industrial associations and academia. It summarises the key results obtained for each of the four trends. Some of the results are highlighted below.



The digitalisation trend is characterised by several key strengths that can drive the industry forward.

There are noticeable skill gaps in the workforce, as many employees may not possess the necessary training to navigate the complexities of digital tools.

From page 10



The development of innovative solutions that incorporate sustainable practices can lead to breakthroughs in vehicle design, manufacturing processes, and energy efficiency.

High costs associated with the development and implementation of alternative fuels and sustainable technologies can be a significant barrier.

From page 14



The wealth of experience and expertise within the industry positions companies to effectively address challenges and seize opportunities.

One critical issue is the failure to leverage existing know-how effectively.

From page 17



One of the key strengths of this trend is the enhancement of infrastructure.

A conservative mindset prevalent in many established organisations can hinder the adoption of innovative approaches.

From page 21

Explore all the key results of the [Workshops Report](#).