

Next-level data processing for automotive manufacturers

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Companies in the automotive industry have always been at the forefront of innovative manufacturing practices. However, to remain there, they must continue to adapt and adopt the latest developments in technology. This approach equips them to face evolving market demands as well as supply chain challenges. For automotive manufacturers, the next step to becoming more competitive and more profitable is to integrate real-time data generation and management across all aspects of car and part production.

This is the view outlined by Lucas Majewski, Global Director of Automotive/EV Industry, Factory Automation, at Mitsubishi Electric, in the videocast “[Trends in Automotive – Data means Energy](#)”.



[Source: Mitsubishi Electric Europe, Germany]

The combined effects of a shifting regulatory landscape, evolving customer requirements as well as ongoing supply chain issues are testing conventional automotive manufacturing. However, the industry has proven itself to be agile and as a result, resilient.

For example, it is one of the most automated sectors, with manufacturers having invested heavily in digital technologies over the years. Thanks to this future-focussed approach, the automotive value chain can benefit from a privileged position when it comes to upgrading its capabilities to support a changing marketplace.



Image Caption: Lucas Majewski, Global Director of Automotive / EV Industry, Factory Automation at Mitsubishi Electric

[Source: Mitsubishi Electric Europe, Germany]

Already featuring a wide variety of state-of-the-art industrial automation solutions, car manufacturing and assembly plants can incorporate additional innovative digital technologies to further enhance performance, flexibility and sustainability.

Real-time data is key, as explained by Lucas Majewski, who identifies its potential to advance nearly every aspect of automotive production. In effect, industry players can use data to gain intelligence on machines and

manufacturing lines, to support more effective decision making as well as automated responses through predictive maintenance and process adjustments.

The ability to generate and analyse data in real-time can also help companies achieve a comprehensive overview of energy use and carbon footprint. This insight, in turn, can support the implementation of activities aimed at reducing electricity costs as well as emissions, unlocking more effective and sustainable operations, in line with both business and customer demands as well as new regulations.

To watch the full interview with Lucas Majewski about “Trends in Automotive – Data means Energy” Videocast and learn more about data-driven automotive production, visit:

<https://emea.mitsubishielectric.com/fa/service/podcasts/trends-in-automotive-production>

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For more information, please visit www.MitsubishiElectric.com

**U.S. dollar amounts are translated from yen at the rate of ¥134=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2023.*

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