

STELLANTIS SUCCESS STORY

Discover how TIM Smart Gloves enhance Stellantis' operations and automate processes.



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INTRODUCTION



The automotive industry is one of the rapidly changing and developing sectors of the 21st century. This change is evident not only in the technical features and designs of vehicles but also in production processes and consumer expectations. The increasing customer demands for quality and safety, as well as the demand for innovations such as environmentally friendly vehicles and smart technologies, are driving the need for adopting more efficient and innovative approaches within the industry.



TIM, as an important part of this transformation process, is one of the pioneering companies supporting the automotive industry. The strategic partnership with a globally recognized car manufacturer like Stellantis has enabled Stellantis to make significant progress in digital transformation and process management. This partnership has particularly helped Stellantis increase its efficiency in critical operational areas such as the production line.

BARCODE SCANNING PROCESS WITH VEGA



It is critical to accurately track every component for production efficiency and quality control in automotive manufacturing processes.

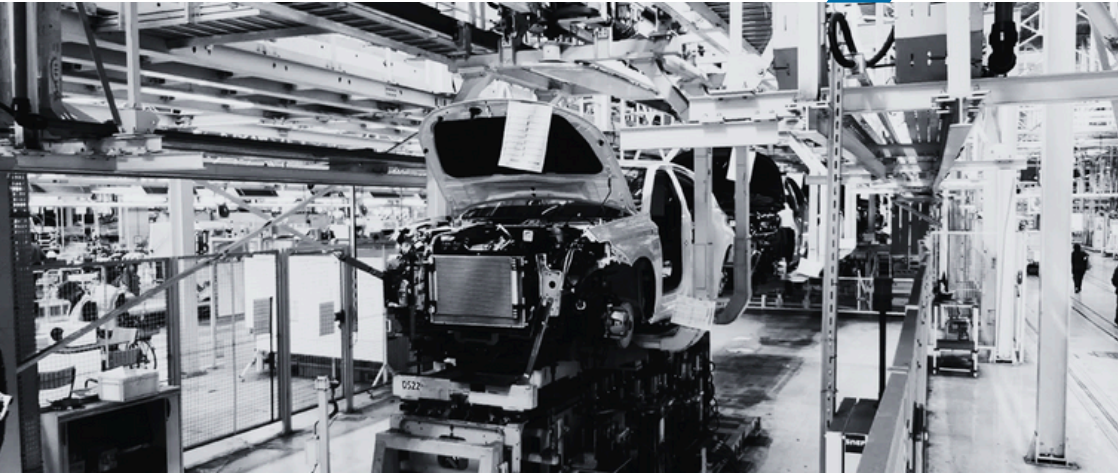
Incorrect or missing parts can lead to disruptions on the production line, resulting in significant costs.

In this project we carried out with Stellantis TOFAŞ, we utilized Vega's advanced barcode scanning systems to prevent this issue.

This allowed us to instantly verify the accuracy of the parts used on the production line and provide operators with real-time feedback.



SEAMLESS INTEGRATION ON THE PRODUCTION LINE



01 Speed and accuracy in automotive production lines are critical factors for meeting quality standards and increasing efficiency. Through the integration we implemented with Stellantis, Vega's barcode scanning process on the production line has contributed significantly.

03 This integration completely eliminates manual verification processes on the production line, significantly enhancing labor efficiency.

02 The accuracy of the seat belts installed in the vehicle is checked in real-time, minimizing the margin of error. Thanks to the 4-second fast scanning time, the assembly process progresses smoothly and efficiently.

04 This solution minimizes assembly errors, strengthening quality control processes. Implemented with Stellantis, this solution is an innovative step that combines speed, accuracy, and safety in automotive manufacturing.

BARCODE SCANNING FOR SEAT BELTS

Seat belt assembly in automotive production processes is of great importance in terms of safety and quality standards. In the project we implemented with Stellantis, Vega barcode reading technology was integrated to ensure efficiency and accuracy in this critical process.

Vega quickly and accurately reads the barcodes of seat belts on the production line, confirming that the assembly is done correctly. The system speeds up the assembly process 4 seconds per scan, minimizes human error, and makes quality control easier.

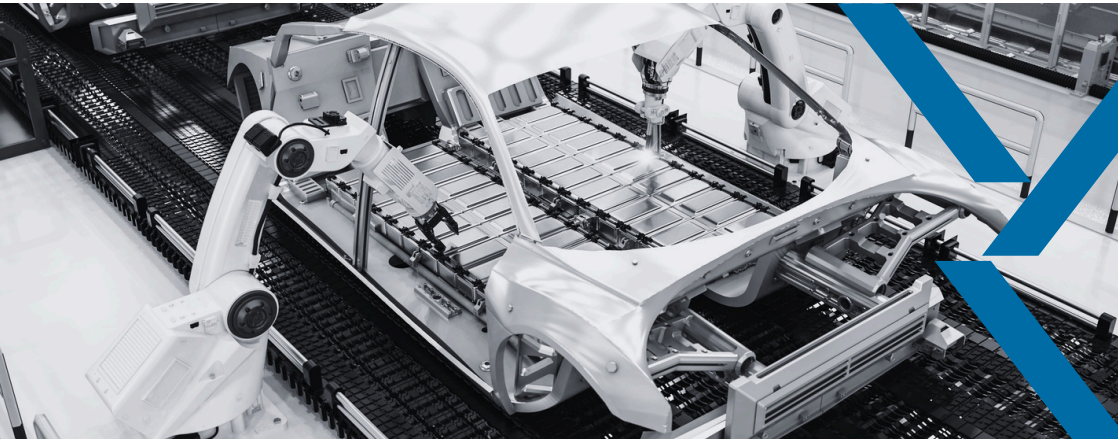
Costs arising from production errors are reduced, while safety standards are raised to the highest level with this integration. The solution implemented with Stellantis has enhanced efficiency and safety in automotive production.

PERFORMANCE AND SPEED

Speed and accuracy are critical factors in terms of efficiency and quality on automotive production lines. The Vega integration we implemented with Stellantis has optimized barcode reading processes, significantly reducing error rates on the production line.

Vega scans each barcode in 4 seconds, eliminating the time loss caused by manual checks. This increase in speed ensures the smooth flow of the production process, preventing faulty assemblies and raising quality standards.

Additionally, this integration made a significant contribution to Stellantis' digital transformation process. The automation of barcode reading and data processing increased traceability on the production line, enabling operations to progress more efficiently and seamlessly.



VISION FOR THE FUTURE



This success story demonstrates how Thread in Motion technologies make a difference in automotive production processes. Our collaboration with Stellantis has contributed to digital transformation by increasing efficiency on the production line and has laid a strong foundation for future innovations.

The rapidly evolving technology and growing competition in the automotive industry make smart and error-free production processes essential. As TIM, we will continue to be a leader in this transformation and provide innovative solutions to the industry.



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