

How a Global Leader in Automotive Manufacturing Achieved 50% Faster Assessments & Industry-Leading Injury Reduction



Executive Summary

- 1 The **world's largest automotive seat supplier**, adopted TuMeke Ergonomics in 2019 to modernize its global ergonomics program.
- 2 **Ergonomic assessment time dropped by more than 50%**, enabling faster problem-solving and continuous improvement.
- 3 Easy-to-understand visuals help communicate risks across all levels of the organization.
- 4 The manufacturer's musculoskeletal disorder (MSD) injury rate is **40% below industry average**, with steady improvements year-over-year.
- 5 TuMeke is now a core component of this manufacturer's proactive safety strategy and global AI innovation efforts.

Ergonomics Program Evolution

When the senior ergonomics manager of this global automotive manufacturer joined the team in 2012, they set out to revamp the company's ergonomics program with a structured, incident-reduction focus.

Initially, the team relied on a spreadsheet-based internal tool for risk assessments. While effective to a point, it struggled to keep pace with the fast-moving automotive industry.

By 2018, they began evaluating new technologies—ranging from sensors to camera-based solutions—that could improve speed and accuracy. After piloting and reviewing options, the automotive manufacturer implemented TuMeke Ergonomics in 2019 as the best-fit solution for scalability and usability.

BUSINESS CONTEXT

Why Ergonomics Matters

This automotive manufacturer operates in one of the most fast-paced and competitive industries in the world.



90-minute order-to-delivery cycle: Automotive seats must be designed, assembled, and delivered in record time.



Driven by efficiency: Even 2–3 seconds saved per workstation translates into massive operational gains across 200+ plants.



Global scale: With manufacturing in 29 countries, a standardized, efficient ergonomics process is critical.

TuMeke Implementation & Benefits

Since adopting TuMeke, the automotive manufacturer has realized measurable improvements across its ergonomics program:

>50% reduction in assessment time	accelerating risk identification and leaving more time to design solutions.
Improved employee engagement	workers respond to TuMeke’s scoring system with “gamification,” naturally adjusting postures for higher scores.
Clearer communication of risks	TuMeke’s visuals make it simple to explain ergonomic issues to leadership, supervisors, and frontline workers.
Proactive safety strategy	teams use TuMeke for high-risk station reviews, onboarding new hires, and post-injury investigations.

Injury Reduction & Safety Performance

The automotive manufacturer is consistently ranked among the safest companies in the automotive sector.

MSD injury rate:	accelerating risk identification and leaving more time to design solutions.
40% below industry benchmarks	workers respond to TuMeke’s scoring system with “gamification,” naturally adjusting postures for higher scores.
Top quartile safety performance	TuMeke’s visuals make it simple to explain ergonomic issues to leadership, supervisors, and frontline workers.

TuMeke has played a key role in driving this downward trend in injuries, reinforcing the manufacturer’s reputation as a safety leader.

Results at a Glance

50%	faster assessments
40%	lower MSD injury rate vs. industry average
200+	sites supported with scalable ergonomics tools
Top Quartile	global safety performance

LOOKING AHEAD

Scaling AI and Ergonomics

Currently, TuMeke is deployed in North America, parts of Europe, and the Middle East, with expansion plans based on regional business needs.

Notably, the automotive manufacturer adopted TuMeke before launching its broader AI initiatives. Today, company leadership strongly supports AI adoption across functions—from manufacturing to ergonomics—positioning TuMeke as a foundational part of its innovation strategy.