

# Embotech Receives TÜV SÜD Safety Certification: Autonomous Tractor Solution Now CE-Marked

*EC-Type Examination Certificate issued for Embotech's second Level4 autonomous system, confirming approval for production deployment*

ZURICH, ZH, SWITZERLAND, January 15, 2026 /EINPresswire.com/ -- Embotech has received the TÜV SÜD EC-Type Examination Certificate for its Autonomous Tractor Solution (ATS) and issued the CE marking. This confirms the system is approved for autonomous operations in industrial logistics and enables deployment of driverless tractors in gated industrial environments across Europe. The milestone marks Embotech's second TÜV-certified SAE Level-4 system.



CE Marking Plate ATS

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This certification confirms the safety and robustness of our Autonomous Tractor Solution architecture.”

*Dr. Alexander Domahidi,  
Embotech's CTO & Founder*

The EC-Type Examination Certificate covers functional safety, electrical safety, electro-magnetic compatibility (EMC), and cybersecurity. The certification is also recognized in the UK, and alignment with ISO 13849 supports future deployment pathways in North America. Embotech's ATS architecture supports fully autonomous operation without reliance on external sensing systems or server infrastructure. All safety-critical functions are

integrated on board.

The system builds on more than a decade of Embotech's autonomous driving experience, with over 500,000 vehicles operated autonomously in industrial deployments. Certification-relevant testing, focused on compliance with machine safety standards, including redundant perception,

real-time detection and reaction, failsafe mechanisms, hardware redundancy, and validation of Embotech's safety architecture. ATS brings these elements together in a production system based on multi-modal perception, robust trajectory planning, and TÜV-certified redundant compute hardware.

The solution meets industrial safety requirements and can be deployed in ports, OEM production plants, logistics hubs, distribution centers, and large industrial yards. It supports continuous operation in challenging mixed traffic environments.

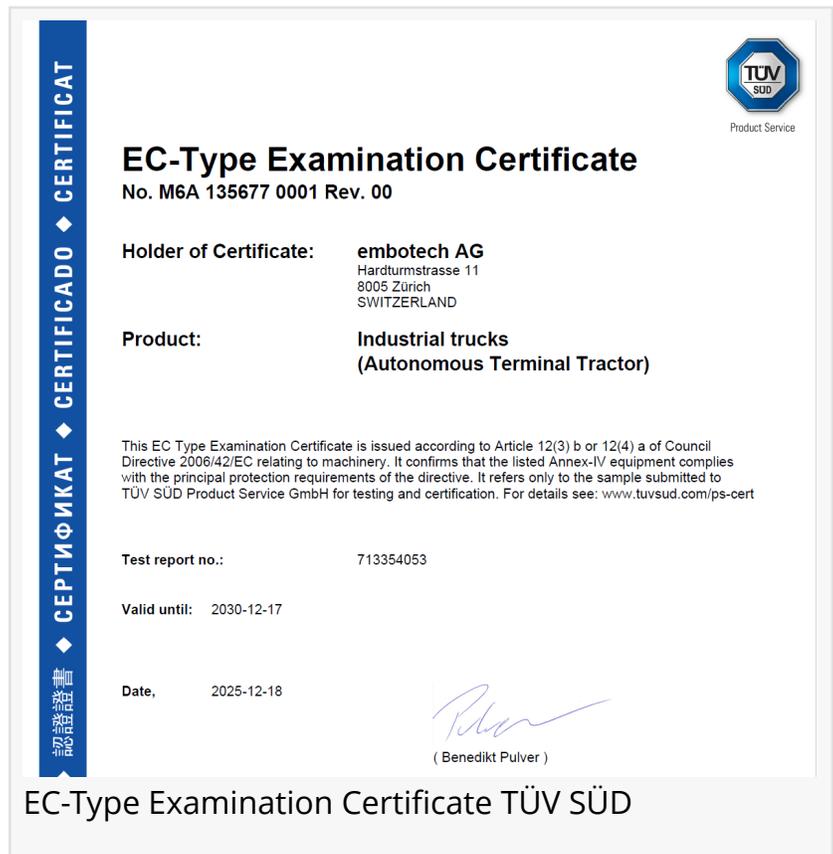
"This certification confirms the safety and robustness of our Autonomous Tractor Solution architecture", said Embotech's CTO and Founder Dr. Alexander Domahidi. "Our system combines a dual-path software architecture: an AI stack that enables human-like driving in mixed-traffic scenarios, and a deterministic safety path that safeguards the AI. This allows us to deliver high-performance autonomy without compromising on safety. Running on commercially available sensing and compute hardware, the system is highly scalable and cost-efficient."

With ATS, Embotech now holds two independently certified Level-4 systems, making it the first company worldwide with multiple TÜV-certified Level-4 autonomous driving solutions. For context, while the first certification covered Embotech's infrastructure-based Automated Vehicle Marshalling (AVM) system, this milestone enables ongoing customer deployments, including autonomous terminal tractor operations at APM Terminals Maasvlakte II, and demonstrates that large-scale, certified autonomous logistics is now safe and proven in production.

#### About Embotech

Embotech is a Swiss deep-tech company delivering safety-certified autonomous driving solutions approved for industrial logistics operations. Founded in 2013 as a spin-off from ETH Zurich, the company has developed Level-4 autonomous driving solutions designed for complex and demanding logistics environments. Its Automated Vehicle Marshalling (AVM) and Autonomous Tractor Solution (ATS) are deployed in automotive factories, vehicle distribution centers, ports, and logistics yards. The two solutions run on a shared, AI-powered autonomy platform that delivers high-precision and reliable performance in mixed-traffic operations.

Embotech is the first company worldwide with two certified Level-4 autonomous solutions in



commercial operation. Its systems move more than 2,500 vehicles autonomously each day, improving safety, productivity, resilience, and sustainability across logistics operations. For more info, visit [embotech.com](https://embotech.com)

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