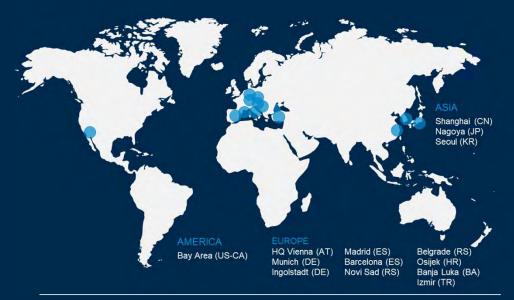


TTTech Auto at a glance

Safety innovation leader – from groundbreaking academic research to series production



International footprint with 14 locations and a selection of global customers













2m+

Vehicles on street equipped with MotionWise



1,100+

Highly-skilled software engineers



60+

Network of OEMs, Tier 1s and technology partners



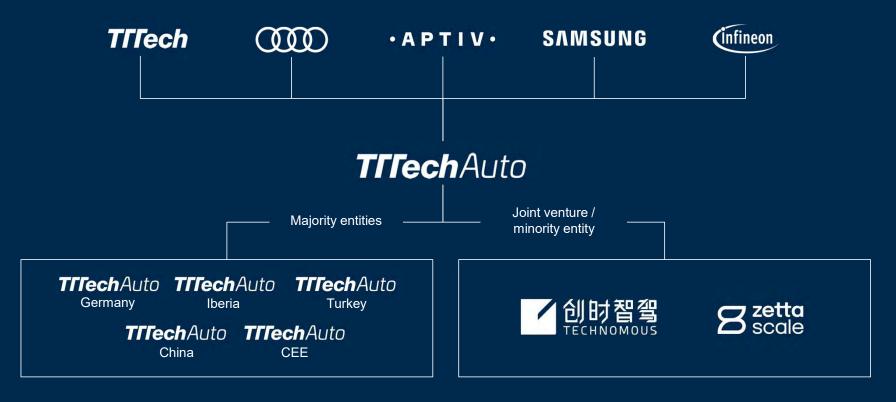
20+

Years of experience in dev. of safety-critical systems



TTTech Auto shareholder structure

Privately held joint Austrian stock company with solid equity from blue-chip shareholders



TTTech Auto Executive Board



CEODr. Dirk Linzmeier

Dr. Dirk Linzmeier has more than 20 years of experience in various management positions and in development in the automotive industry.

Before joining TTTech Auto, Dirk Linzmeier was CEO of OSRAM Continental, a joint venture between OSRAM GmbH and Continental AG with 1,500 employees, which he successfully established in the market.

He began his career as a development engineer in research at Daimler-Chrysler, where he earned his doctorate in the field of radar- and infrared-based assistance systems.



CTODr. Stefan Poledna

As Chief Technology Officer, Dr. Stefan Poledna is responsible for the company's technology roadmap, all scientific topics and quality management. He has over 30 years of international industry experience in innovative embedded systems development and has authored and co-authored several patents.

He received his M.Sc. and Ph.D. degree in computer science with distinction from Vienna University of Technology, where he also lectures on Dependable Computer Systems.



CFOHarald Triplat

Harald Triplat is the Chief Financial Officer and responsible for the finance, legal, global operations, human resources and strategic alliances. He started his professional career in auditing and has over 20 years of experience in the international banking industry in various management roles, including 6 years on the executive board of a payment service provider.

He holds a master's degree from the Vienna University of Economics and Business.



CGOFriedhelm Pickhard

As Chief Growth & Performance Officer (CGO), Friedhelm Pickhard is responsible for engineering performance, quality, growth strategy and execution. He has over 30 years of experience in automotive and defense industry in various engineering and management roles. He has several years of experience in business and R&D management in Asia.

He received his degree (Dipl.-Ing.) in Electrical Engineering from the Ruhr University Bochum and in Communication Engineering from the University of Paderborn.

TTTech Auto's DNA: Safe system design





Development and deployment of safety-critical avionics networks, e.g. Boeing 787, Airbus A220 (fly by wire), NASA Orion spacecraft, ESA Ariane 6

>1 billion flight hours23 different aircraft types700 million passengers

First series-proven ASIL D safety software platform for ADAS Domain ECUs in the market

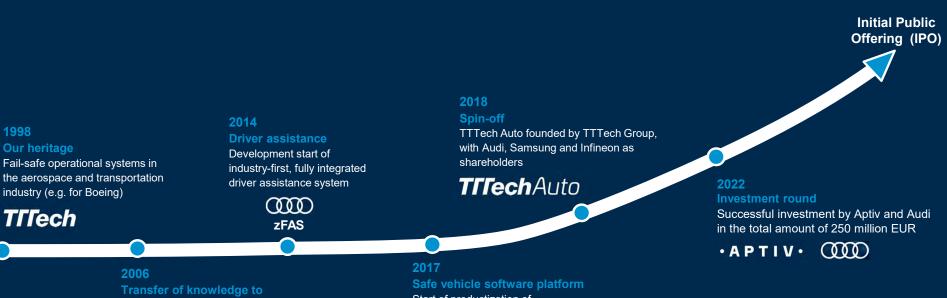


>2 million vehicles

Transforming leading research into marketshaping, safety-critical aviation products and advanced driver assistance system (ADAS) platforms.

TTTech Auto MotionWise – the safe vehicle software platform for automated driving, based on experience in the development and deployment of safe and reliable critical avionics systems/networks.

20+ years in cross-industry experience provides the foundation for automotive safety challenges



automotive sector

First customized products high-speed, deterministic in-vehicle networks



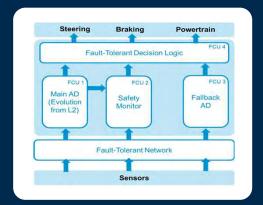
Start of productization of



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Safety is the grand challenge to introduce SAE Level 4 autonomous driving

TTTech Auto hereby is recognized as a leading global expert in and provider of fail-operational safety software architecture solutions (24 safety technology patents, safety-critical supplier for Audi's zFAS)



Conceptual architecture

- Defining a robust safety architecture that ensures the necessary level of redundancy and prevents common cause failures
- "Innovation friendly" architecture allowing to introduce feature upgrades quickly, while ensuring rigorous safety claims

L4 reliability challenge in number



Approx. **0.0000001**

system failures per hour in critical mode

≈ once every 10,000 years*

OEMs are facing an exponential growth in complexity with the increase in SW functionalities



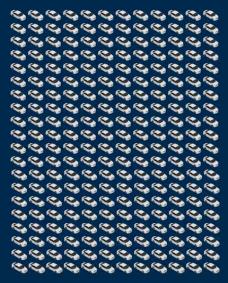
ENGINE TYPE

Gasoline1 North
Gasoline2 Soutl

Diesel Hybrid EV TARGET AREA

North America South America EU China India Japan Etc. OPTIONAL SYSTEM

Traffic Sign Recognition Blind Spot Detection Front light control Lane change Etc.



The OEM provided rough order of magnitude estimates for encountered complexity, leads to the need of 200* different versions every month.

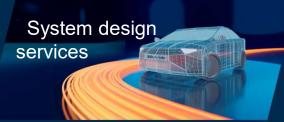
*Based on management assumption, only 10% out of those 200 releases are subject to a full release cycle and thus applicable when measuring the time/cost advantage of MotionWise

TTTech Auto product & service portfolio



Safe vehicle software platform

- Service Oriented Architecture (SOA)
- Open standards
- Compliant with safety and security standards
- Part of a growing ecosystem



- Electronic Controls Design House: from "A" sample to industrialized ECUs
- General safety consulting services
- Security consulting services
- Autonomous driving SAE Level 4 system and safety consulting services



- ECUs, GWs and displays
- "Power to log" testing tools
- Time-Sensitive Networking (TSN)
- Pre-series development platforms



MotionWise, the safe vehicle software platform (VSP) is a modular solution for software-defined vehicles

MotionWise consists of ...



Safe workload (applications) orchestration at the system level

MotionWise ensures the **safe** and **efficient** distribution, **execution** and **communication** of mixed-criticality applications within and across SoCs.

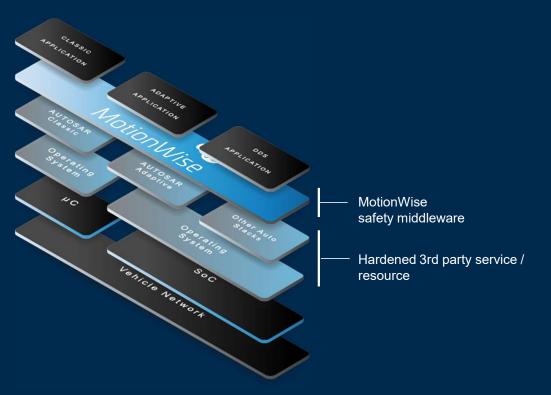
A development framework during development

Accelerated software integration with predictable outcomes

MotionWise enables **rapid**, **secure** and **repeatable** software development with **a predictable integration** result.



MotionWise VSP features are unmatched in the market and provide essential benefits



Key benefits

SAFE ASIL D system certification for highest safety requirements including fail-operational designs

FAST Reduces time to market by reducing integration cycles down to a single day

INDEPENDENT Interoperable with a diverse selection of HW, OS and middleware SW

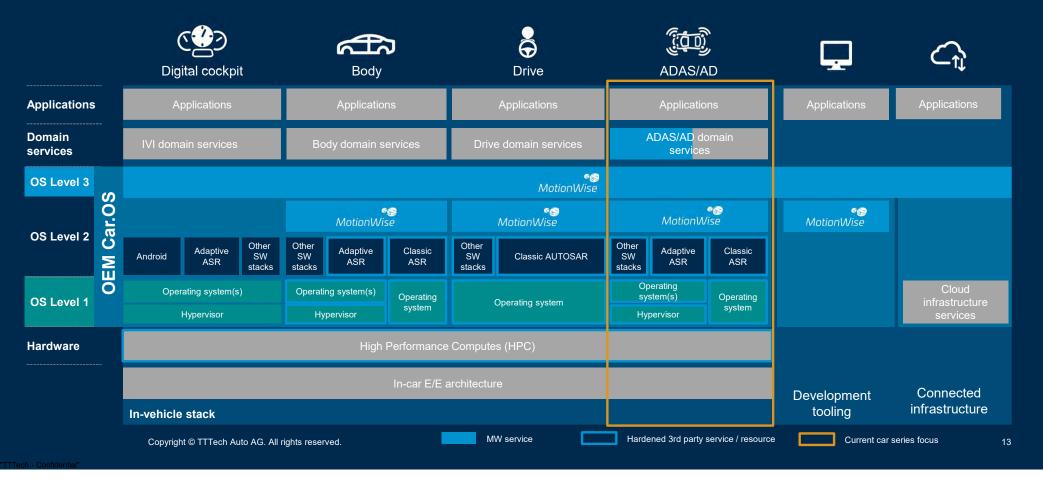
EFFICIENT Reduces dev. cost by maximizing the utilization of HW resources across the car & shortening integration efforts

SEAMLESS Integrates modularly into OEM toolchains, providing a fun user experience to end users

And more ...



MotionWise VSP footprint Example of usage within an OEM Car.OS



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