

TTTechAuto

Marc Lang

EVP Business Development and Sales

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Development and deployment of safety-critical avionics networks, e.g., Boeing 787, NASA Orion spacecraft

> **1 Billion**

flight hours

23

different aircraft types

70 Million

passengers



101 granted patent families across all legal entities.

OUR DNA

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

Dr. Hermann Hauser, a member of TTTech's Advisory Board, has founded or co-founded companies in a range of technology sectors, such as ARM.

Professor Hermann Kopetz is one of the key architects of Time-Triggered Architecture and co-founder of TTTech

Wilfried Steiner is the Director of TTTech Labs, focused in designing Algorithms and network protocols for dependable cyber-physical systems.



TTTech has won the **Living Standards Award 2021** and the **Emerging Technologies Best Paper Award**



Real-Time Systems Design Principles for Distributed Embedded Applications by Kopetz and Steiner is a widely used and practical textbook on real-time embedded systems.

2 mio.+

Vehicles on street equipped with MotionWise

9.5 mio.+

Cars in the pipeline

THE NUMBERS

1,100 +

Highly-skilled software engineers

60+

Network of OEMs, Tier 1s
and technology partners

20+

Years of experience in the development
of safety-critical systems

WHERE ARE WE?

13 locations worldwide

EUROPE

HQ Vienna (AT)
Munich (DE)
Ingolstadt (DE)
Madrid (ES)
Barcelona (ES)
Novi Sad (RS)
Belgrade (RS)
Osijek (HR)
Banja Luka (BA)
Izmir (TR)

ASIA

Shanghai (CN)
Nagoya (JP)
Seoul (KR)

dSPACE

HYUNDAI
AutoEver



SAMSUNG



NXP

Qualcomm

ECOSYSTEM AND CUSTOMERS

• APTIV •

RENESAS

BlackBerry

QNX



ASTON MARTIN

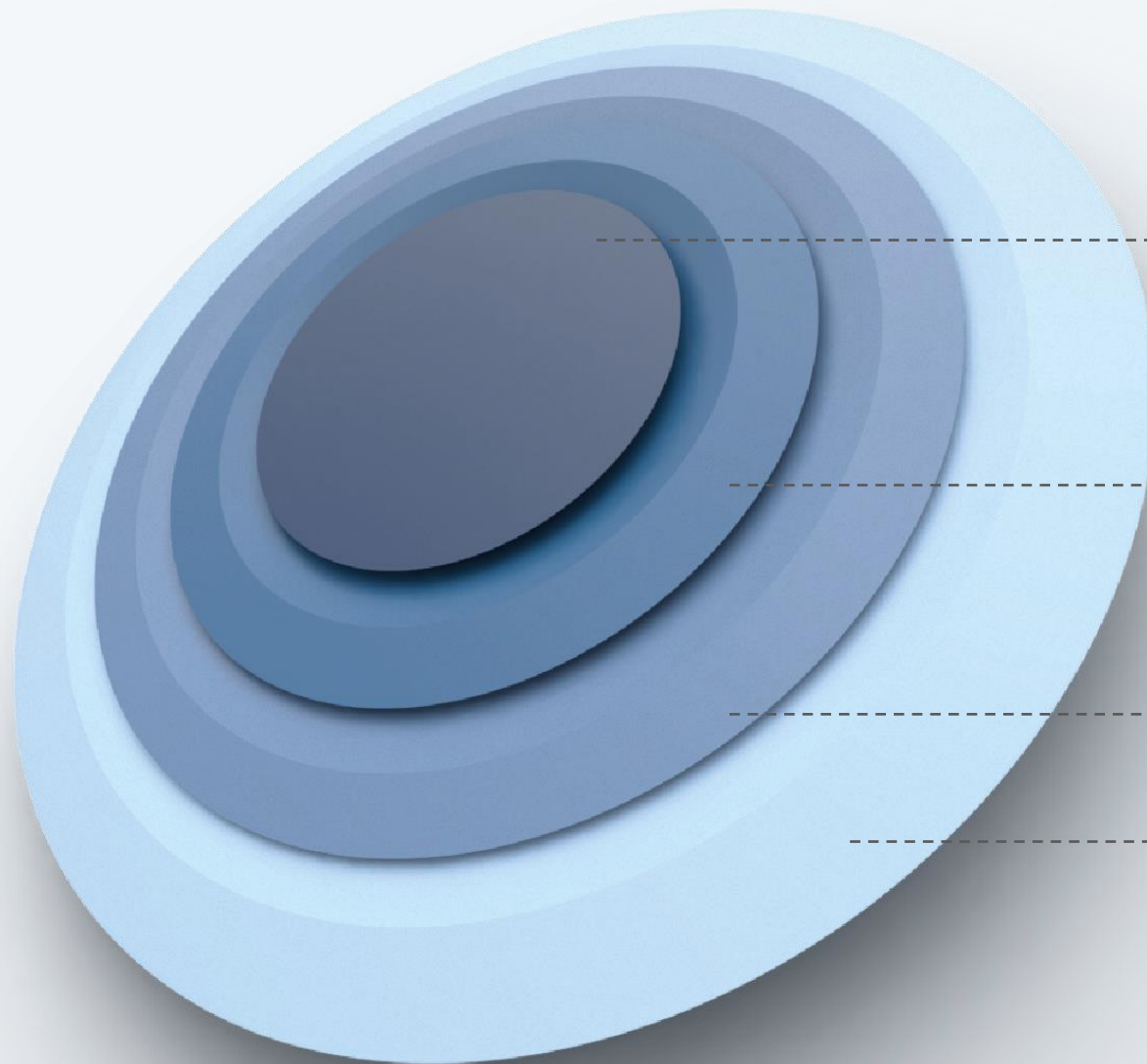
MAGNA

Continental
The Future in Motion



TEXAS
INSTRUMENTS

PRODUCT & SERVICE PORTFOLIO



SOFTWARE

- // MotionWise
- // Zetta Auto

HARDWARE

- // Electronic Controls Design House
- // Testing Tools

SERVICE & CONSULTANCY

- // Safety Consultancy

ENGINEERING

- // TCM

With our products

we make SVDs a reality

Software defined vehicles

From SDV to 4SDV

It takes a combination of a

- **S**ystems,
- **S**afety,
- **S**ecurity
- **S**oftware

4SDV

Summary: Benefits of 4SDV

Thinking in Systems

Together with Safety, Security and Software, thinking in systems is key to enable ADAS/AD functionality and modern E/E architectures

Development Acceleration

Enabling fast development while keeping the system integretable

Industrializing Software

Software integration process, fully assisted via tool process, covering the different stacks in the Vehicle Software Platform (OS, BSW, Middleware)

