

# Company Presentation

2025





## *Reimagining Motion*

“We are driven by a **passion** to examine the science, mechanics and philosophy of movement. To help create a world that is climate-neutral and one that makes **safe, comfortable, green mobility** a reality for everyone.”

### **Helmut O. List**

Chairman and CEO  
AVL List GmbH



# About Us

We are one of the world's leading mobility technology companies for development, simulation and testing in the automotive industry, and in other sectors such as rail, marine, and energy.

Based on extensive in-house research activities, we deliver concepts, technology solutions, methodologies, and development tools for a greener, safer, better world of mobility and beyond.



# AVL at a Glance



**1948**

Founded



**29**

Countries  
Represented



**12,200**

Employees Worldwide



**11 %**

Of Turnover Invested  
in Inhouse R&D

**75+**

Years of Experience

**50+**

Global Tech and  
Engineering Centers

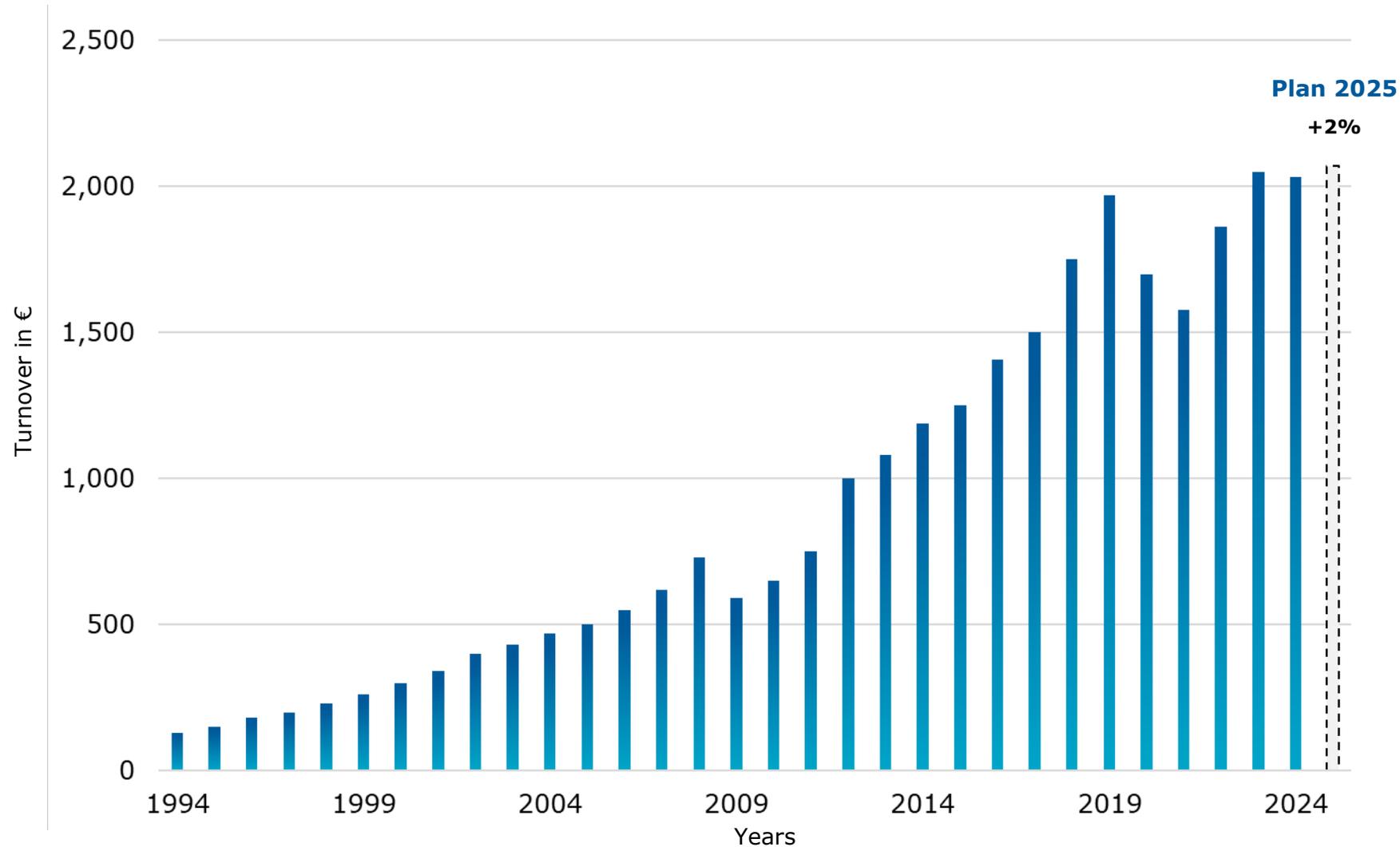
**67 %**

Engineers and  
Scientists

**2,300**

Granted Patents  
in Force

# Our Turnover



**2.03 Bn €**

Turnover in 2024

**96 %**

Export Quota



Mobility technologies  
are at the center  
of everything we do.



Our Mission and Vision

# Clean. Affordable. Connected. Intelligent.

We provide leading technologies and superior services to our customers for a greener, safer, better world of mobility and beyond.



# Our Core Values

Our values are the guiding force behind our everyday work.

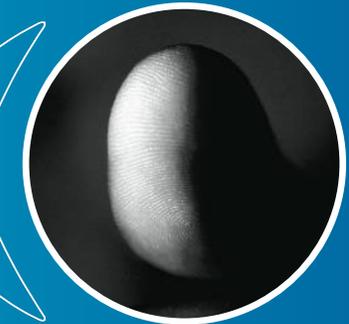
They have shaped our corporate culture since the very beginning.



**Pioneering Spirit**



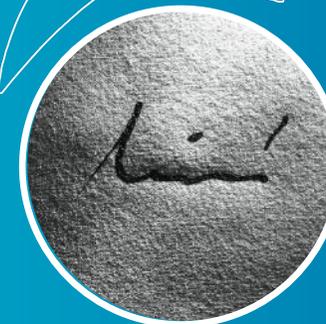
**Customer Orientation**



**Problem-Solving Competence**



**Responsibility**



**Independence**



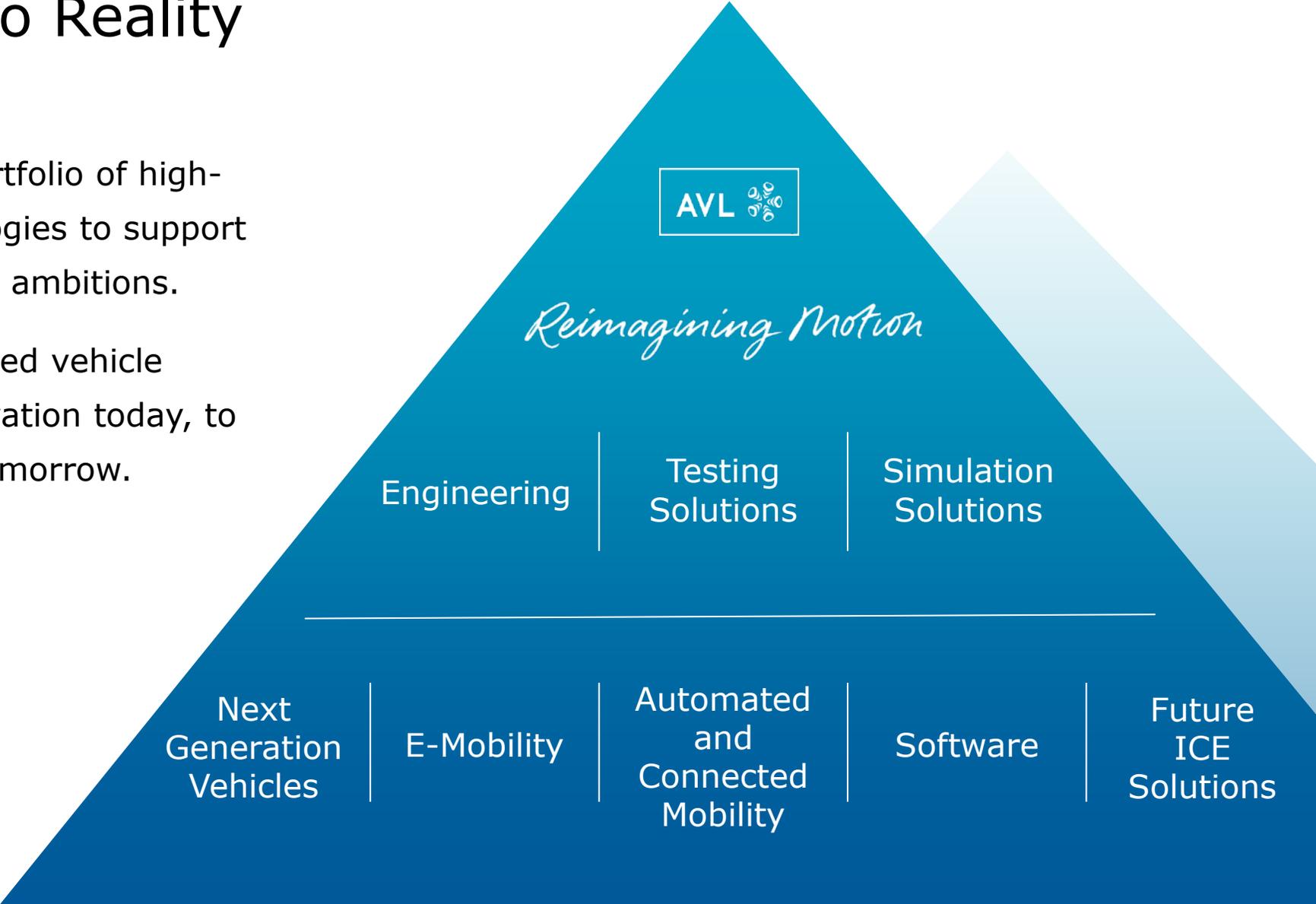
# Why Customers Choose Us

- Agility and speed in adapting to a changing industry
- Combined engineering, testing and simulation know-how
- Reliable partner from ideation to serial production
- Long-term experience applied across different industries
- Global footprint and expert network
- Our passion for innovation

# Turning Visions Into Reality

We constantly transform our portfolio of high-end methodologies and technologies to support our customers in achieving their ambitions.

From future fuels to the connected vehicle ecosystem, we are driving innovation today, to build the mobility concepts of tomorrow.



# Industry-Wide Value Creation

With future-proven tools, products and systems, augmented by our global network of experts and facilities, we support OEMs and Tier1s to shape current and future technologies for all industries.



Passenger Cars



Commercial Vehicles



Racing



Agriculture



2 and 3-Wheelers



Marine



Rail



Aviation



Industrial Energy



# Engineering



- Design and development services for electric vehicle propulsion systems
- Functional development and electrical and electronics for the whole vehicle
- Electrolysis, e-fuel production, power generation for industrial energy, marine and aviation
- Support of future technologies such as ADAS and Automated Driving

# Testing Solutions



- Advanced tools and methodologies for energy-efficient, fast, and reliable development, testing and validation
- Great variety of application solutions connecting different development environments
- Seamless integration of AVL and third-party products, system and software solutions tailored to the user workflow

# Simulation Solutions



- Proven partner in delivering efficiency gains through virtualization

- Wide range of simulation solutions for all propulsion systems and phases of the vehicle development process

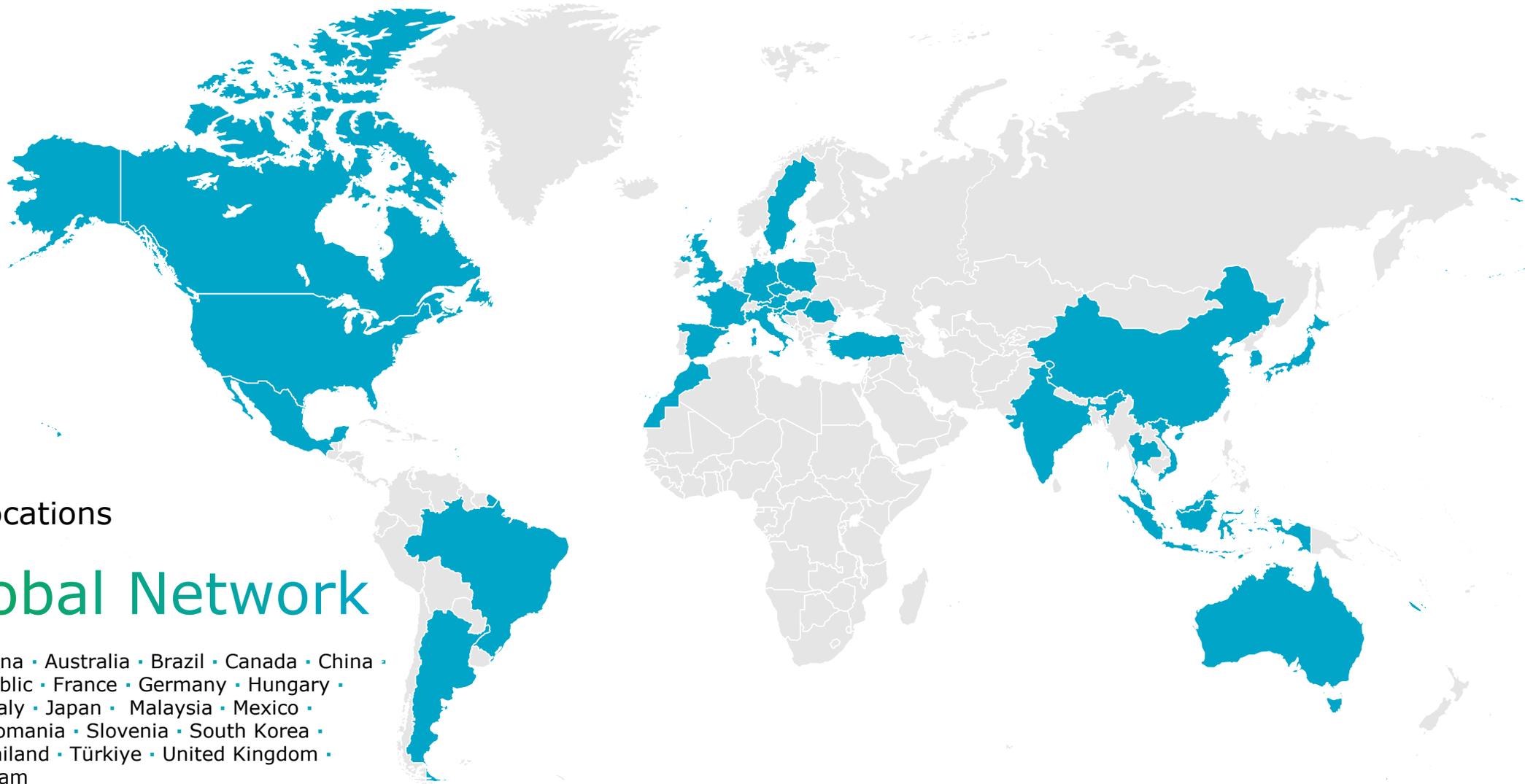
- High-definition insights into the behavior and interactions of components, systems and entire vehicles

# Our Global Footprint

Strong global presence through a worldwide network of affiliates that allows us to work with our customers locally, from project start to a long-term partnership.

- Global structure and organization
- Global project execution
- Local engineers as part of a global team
- Global pool of expertise
- Global supply chain management





Worldwide Locations

## Our Global Network

Austria, HQ | Argentina · Australia · Brazil · Canada · China · Croatia · Czech Republic · France · Germany · Hungary · India · Indonesia · Italy · Japan · Malaysia · Mexico · Morocco · Poland · Romania · Slovenia · South Korea · Spain · Sweden · Thailand · Türkiye · United Kingdom · United States · Vietnam

# Environmental Sustainability

**We have already taken numerous actions to reach GHG neutrality at our headquarters.**

- Global energy consumption and GHG monitoring
- 100 % renewable electricity
- Solar facility (>3,300 m<sup>2</sup>)
- System for infrastructure waste heat recovery
- >50 % electric or hybrid vehicles in our carpool
- Use of a heat pump to replace fossil fuel heating

## Certificates



ISO 14001 | ISO 9001 | ISO 27001 | ISO 45001 | ISO 21434  
ISO 17025 | ECOPROFIT® | Ford Q1 Award



# Next Generation Vehicles



## Engineering a Better Future

With our comprehensive technological know-how in all vehicle systems and functions, and our many years of experience in the implementation and use of virtual development methods, we support our customers in managing complexity.

- Development, engineering, services and products
- Vehicle and vehicle systems
- Vehicle functions
- Vehicle development targets and attributes

# E-Mobility



## Redrawing the Lines of Electrification

We are relentlessly striving towards climate-neutral mobility. Not just by increasing the efficiency of multiple propulsion systems, but also by pioneering energy from green resources.

**20+**

Years of Experience

**5,700+**

E-Mobility Experts

**900+**

Executed Battery Projects

**6**

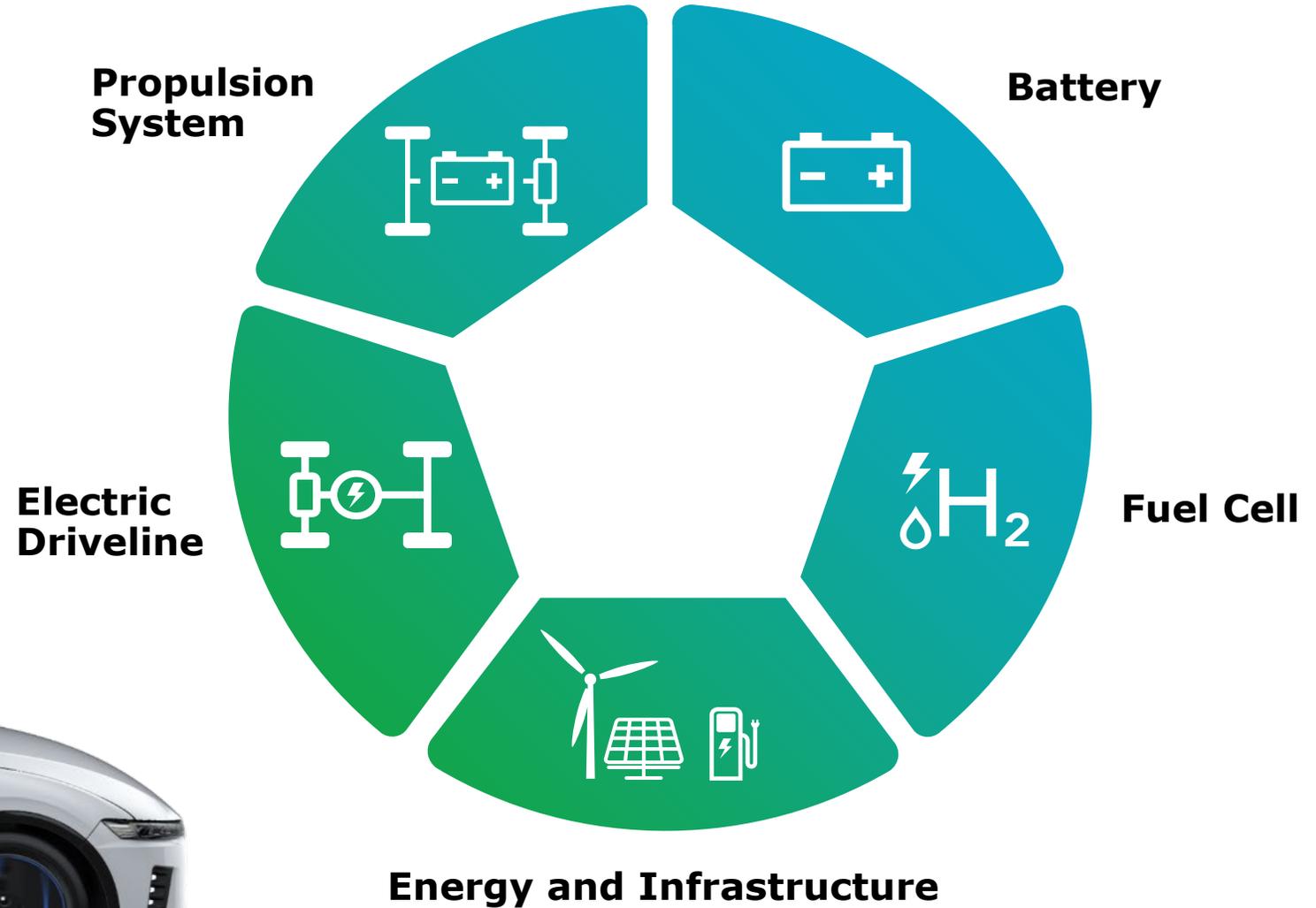
Fuel Cell Tech Centers

**650+**

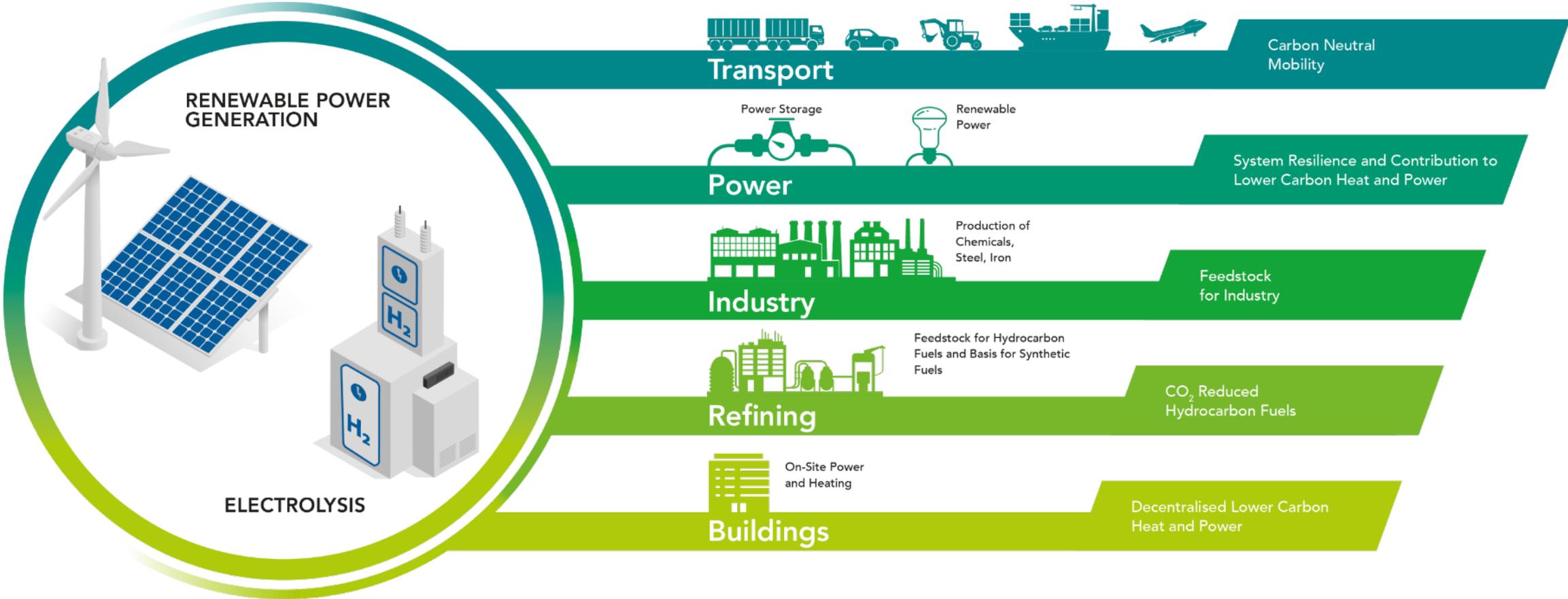
Fuel Cell Engineers

# E-Mobility

From battery to fuel cell technologies, we are paving the way for e-mobility by driving innovative and affordable solutions.



# The Hydrogen Journey



# E-Mobility - Highlights



## Battery Innovation Center

Our center of excellence at our headquarters in Graz focuses on the development, implementation and validation of new, highly efficient battery production processes.



## Hydrogen and Fuel Cell Test Center

The new center in Graz is one of the largest and most advanced test sites for fuel cells and electrolysis systems in the world.

# Automated and Connected Mobility



## Technology Designed for the Human Journey

Mobility is changing. As technologies such as assisted and automated concepts gain focus, we face a paradigm shift in the way vehicles are designed, built and used. We are your professional and reliable partner for high demanding technology solutions within ADAS/AD system development.

**15+**

Years of Experience

**400+**

Customer Projects

**90+**

Automotive Customers

**19**

Competence Centers

**450+**

ADAS/AD Experts Worldwide

Comprehensive and constantly evolving partner ecosystem

# Automated and Connected Mobility - Highlights



## AVL ZalaZONE Proving Ground

250-hectar vehicle proving ground specifically designed for development and validation tests of autonomous and electric vehicles. The smart city allows numerous traffic, technical (NCAP/GSR/V2X), and dynamic test scenarios.



## Mobility and Sensor Center Roding

In the new indoor sensor center in Germany, sensors for driver assistance systems can be verified and validated. For example, weather effects can be tested independently of real outdoor conditions.

# Software, AI and Data Intelligence



## Driving the Now, Defining the Next

At AVL we place innovation at the heart of development. Our software is both ready for today and designed for tomorrow's challenges. Our solutions range from simulation, virtualization, and test automation (for vehicle development) to ADAS/AD and car software. We are pioneering advancements in the realm of software-defined vehicles to ensure readiness for the future of automotive innovation.

**3,000+**

Software Experts and Engineers

**100+**

Data Engineers and Scientists

**20+**

Software Development and Support Centers

**6,500+**

Test Automation Systems

**40+**

Software Products and Solution Suites

**20+**

Mio. Vehicles Using AVL Technologies

# Software, AI and Data Intelligence

## Application Know-How

Propulsion systems

Next generation vehicles

Automated and connected mobility

Electrification of functions

### Embedded Software Development

- E/E platforms and integration
- Advanced Driver Assistance Systems (ADAS) and Automated Driving (AD)
- Functional safety and cybersecurity
- ASPICE compliant development

### Cloud Software Development

- Customized data pipelines
- Scalable analytics
- Automated CI/CD pipelines

### Simulation, Test Software and Methodology

- Design and simulation solutions
- Functional testing (MiL, HiL, SiL)
- Lab and process management
- Test automation and virtualization

### Artificial Intelligence Solutions

- LLM utilization for Requirements
- Data analytics for development and fleet data
- Anomaly Detection
- Failure prediction
- Root Cause Analysis

**All software solutions contain our innovation, engineering legacy and application insight.**

# Software, AI and Data Intelligence - Highlights



## Advanced Simulation Technologies

Innovation for efficient development



## Software for All Phases of Product Lifecycle

Long history of proven solutions

## Cloudification Program

Experience enhanced:  
Accessibility, efficiency,  
capability



## Easy Access and Knowledge Sharing

Application know-how  
is the key



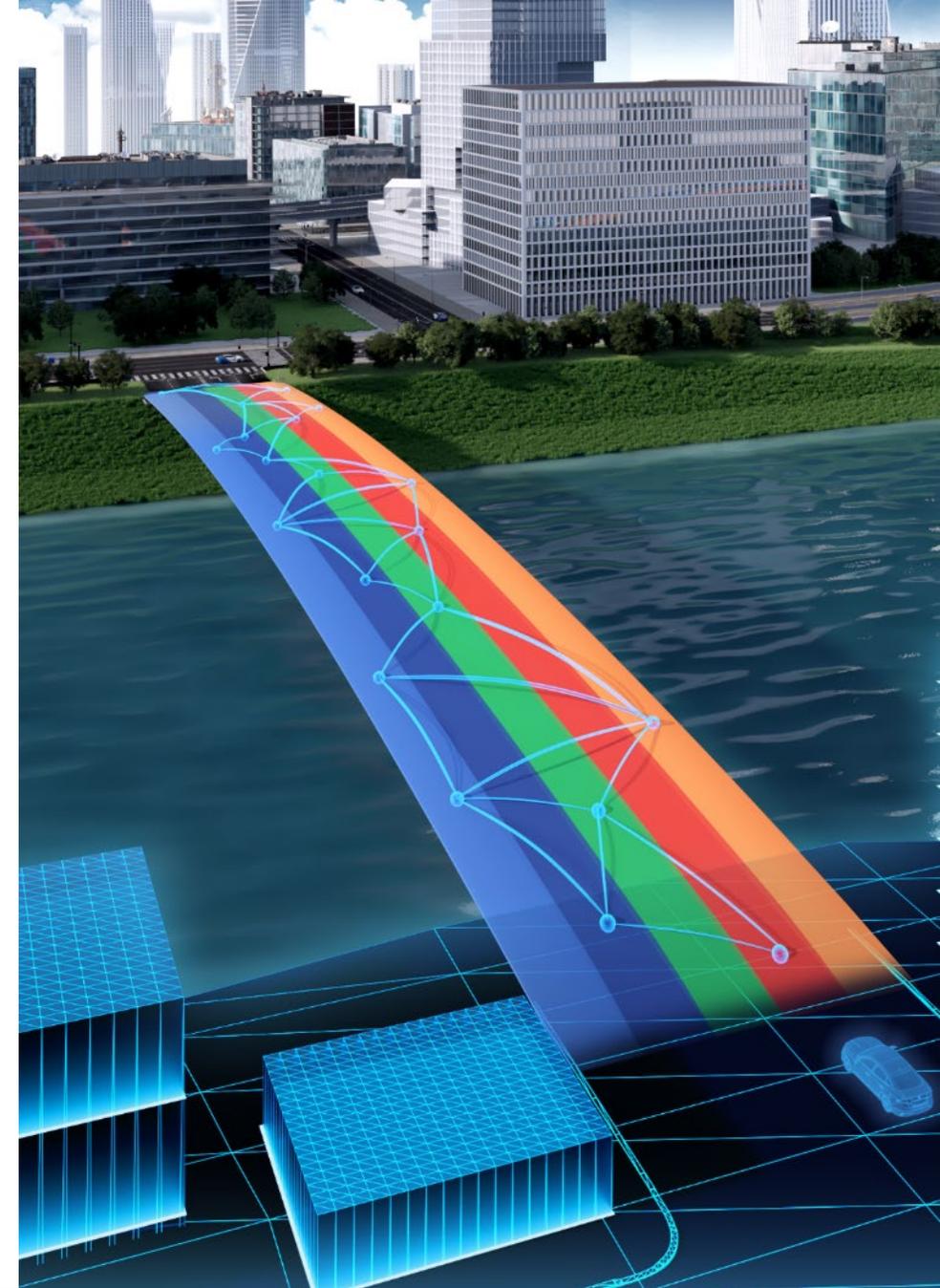
# Integrated and Open Development Platform (IODP)

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## Orchestrating Development Excellence

We bridge the gap between the virtual and the real world, connecting simulation and testing for a continuous and functional view of your product throughout the development process.

We pursue our vision of an integrated and open development platform that seamlessly integrates into your development ecosystem and is open to third-party tools.



# Future ICE Solutions



## Creating a Cleaner and Greener Future

To achieve climate-neutrality, we are committed to support OEMs with mobility solutions that help to improve the performance and efficiency of traditional powertrains, as well as their electrification.

- ICE-based powertrains
- Hybrid-based powertrains
- RDE / ISC and WLTP
- Alternative fuels
- Emission legislation

# AVL RACETECH

## Innovate. Accelerate. Lead.

Our global motorsport division provides state-of-the-art technology and services in the fields of engineering, testing, simulation, and manufacturing. We are a key supplier for teams, series and drivers. From Formula 1, as well as NASCAR or MotoGP. We believe in and utilize motorsport as the platform for innovation.

**20+**

Years of  
Experience

**110**

Employees Across  
Business Units

**17**

Race Series Worldwide  
with AVL RACETECH  
Involvement





Looking Beyond the Limits of Technology

# Passion for Innovation

Together with an international network of experts and with more than 50 Tech and Engineering Centers worldwide, we drive sustainable mobility trends for a greener future.

**11 %**

Of Turnover Invested  
in Inhouse R&D

**100+**

University  
Cooperations

**2,300**

Granted Patents  
in Force

**200+**

Projects within  
European Programs  
for R&D

# CREATORS EXPEDITION

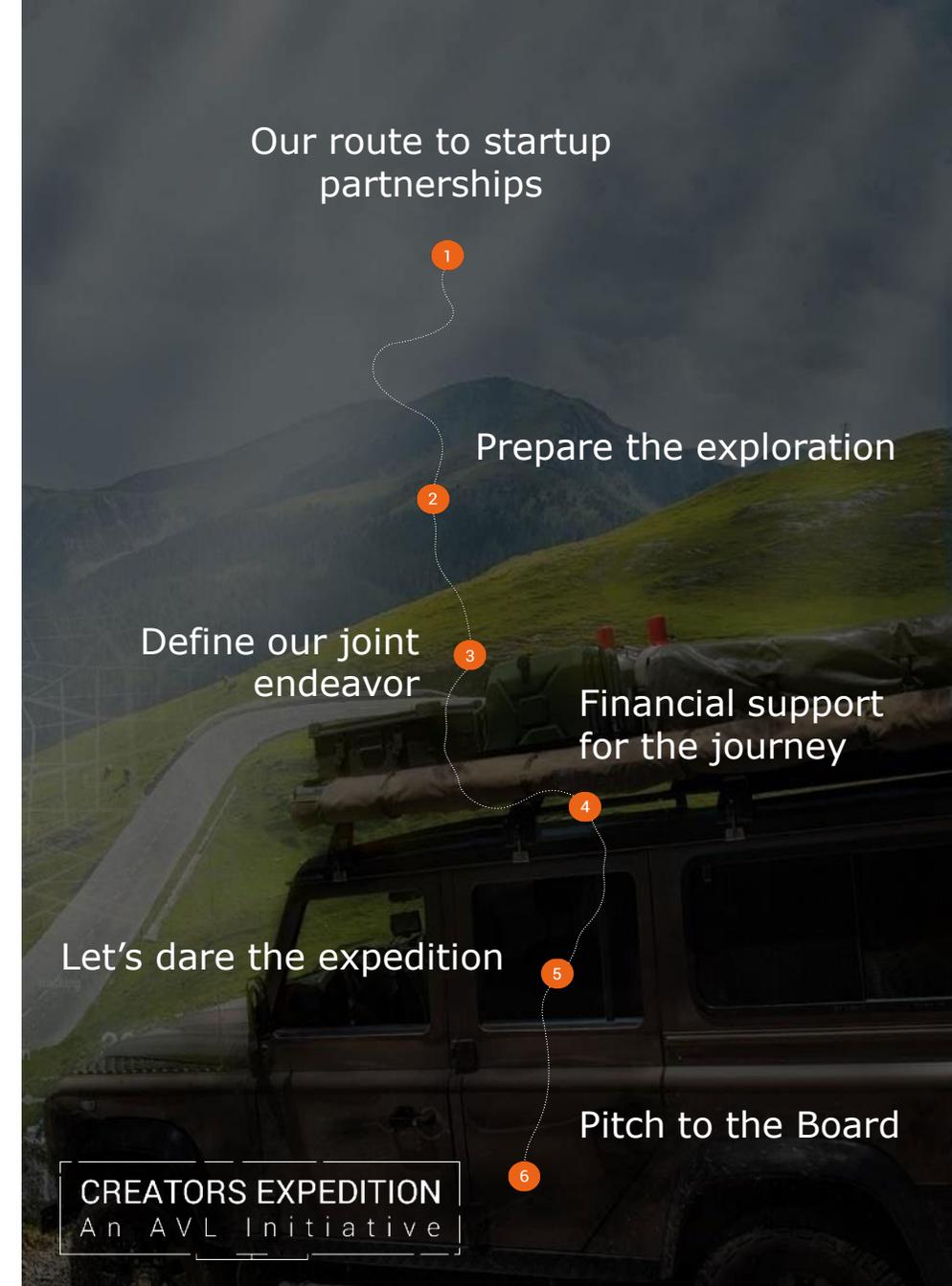
## An AVL Initiative

The Creators Expedition is an accelerator program funded by AVL that supports auto-tech startups in the areas of e-mobility, AI, autonomous driving and many more.

With our startup program we co-innovate and build sustainable partnerships with deep tech startups to drive innovation for our customers.

The open approach enables us to operate in a broad network and jointly solve complex challenges of our time.

[www.creators-expedition.com](http://www.creators-expedition.com)



# Our Global Tech and Engineering Centers

We run best-in-class test facilities across the globe. By offering leading solutions and methodologies, we meet customer's demands while ensuring highest quality and robust results throughout the entire development process.

**300+**

Testbeds Operated  
Worldwide

95 ICE-based powertrains  
81 Electrified powertrains  
82 Vehicle and transmission systems  
57 HiL and virtual testbeds

**50+**

Locations in 21  
Countries

**2**

Test Tracks including  
ADAS Infrastructure



# Our Global Tech and Engineering Centers

## EUROPE

### TECH CENTERS

HQ Graz **AUT**

Steyr **AUT**

Bietigheim-

Bissingen **GER**

Munich **GER**

Neuenstadt **GER**

Regensburg **GER**

Remscheid **GER**

Roding **GER**

Stuttgart **GER**

Wolfsburg **GER**

Paris **FRA**

Reggio Emilia **ITA**

Torino **ITA**

Budapest/Erd **HUN**

Zalaegerszeg **HUN**

Coventry **GBR**

Gothenburg **SWE**

Haninge **SWE**

Södertälje **SWE**

Trollhättan **SWE**

Zagreb **CRO**

### ENGINEERING CENTERS

Berlin **GER**

Heilbronn **GER**

Ingolstadt **GER**

Leonberg **GER**

Neuss **GER**

Roding **GER**

Mataro **ESP**

Valladolid **ESP**

Kecskemét **HUN**

Basildon **GBR**

Liljeholmen **SWE**

Maribor **SLO**



# Our Global Tech and Engineering Centers

## NORTH AND SOUTH AMERICA

### TECH CENTERS

Ann Arbor **USA**

Lake Forest **USA**

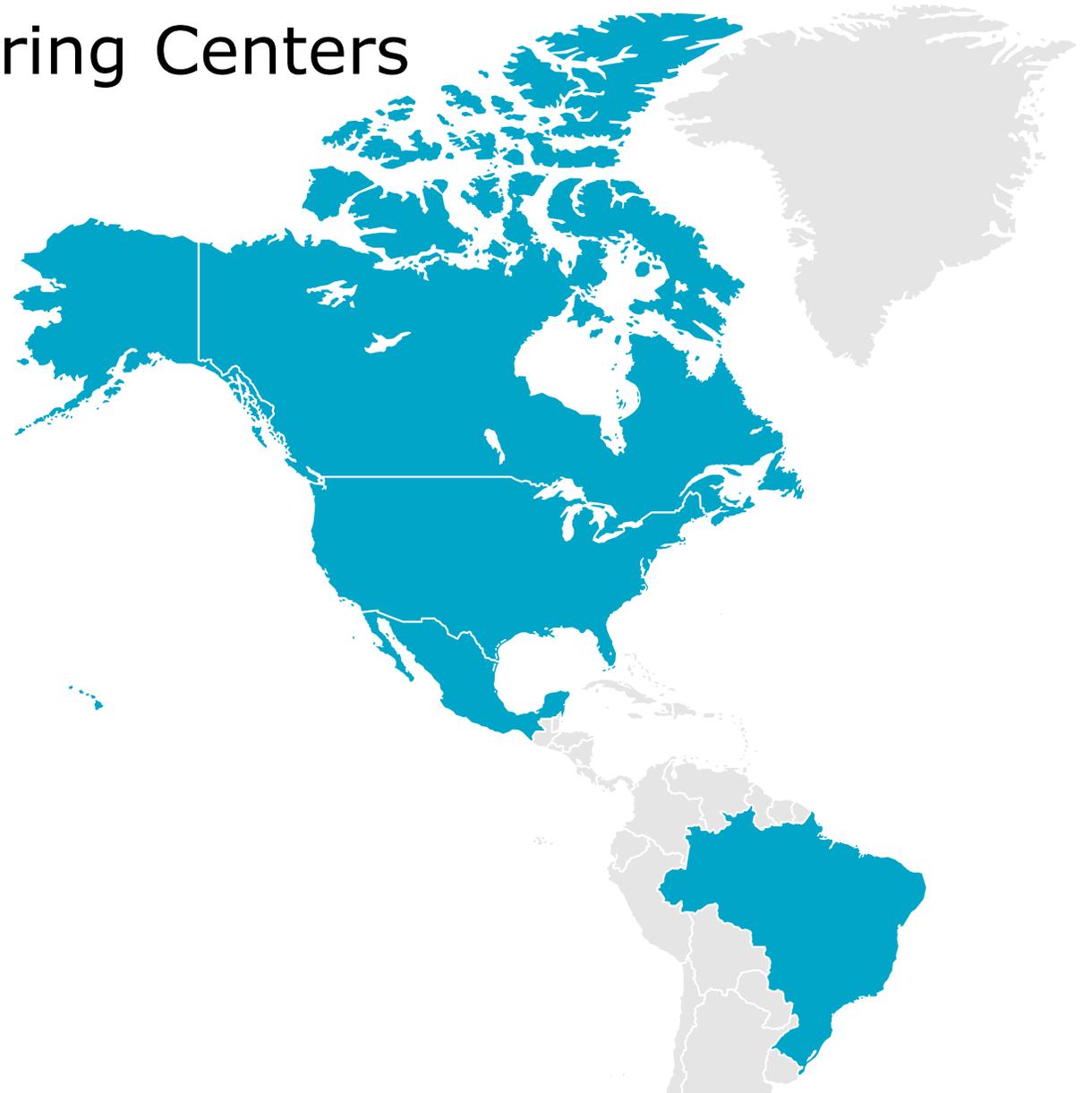
Plymouth **USA**

Vancouver **CAN**

São Paulo **BRA**

### ENGINEERING CENTER

Mexico City **MEX**



# Our Global Tech and Engineering Centers

## ASIA

### TECH CENTERS

Delhi-Gurgaon **IND**

Shanghai **CHN**

Tianjin **CHN**

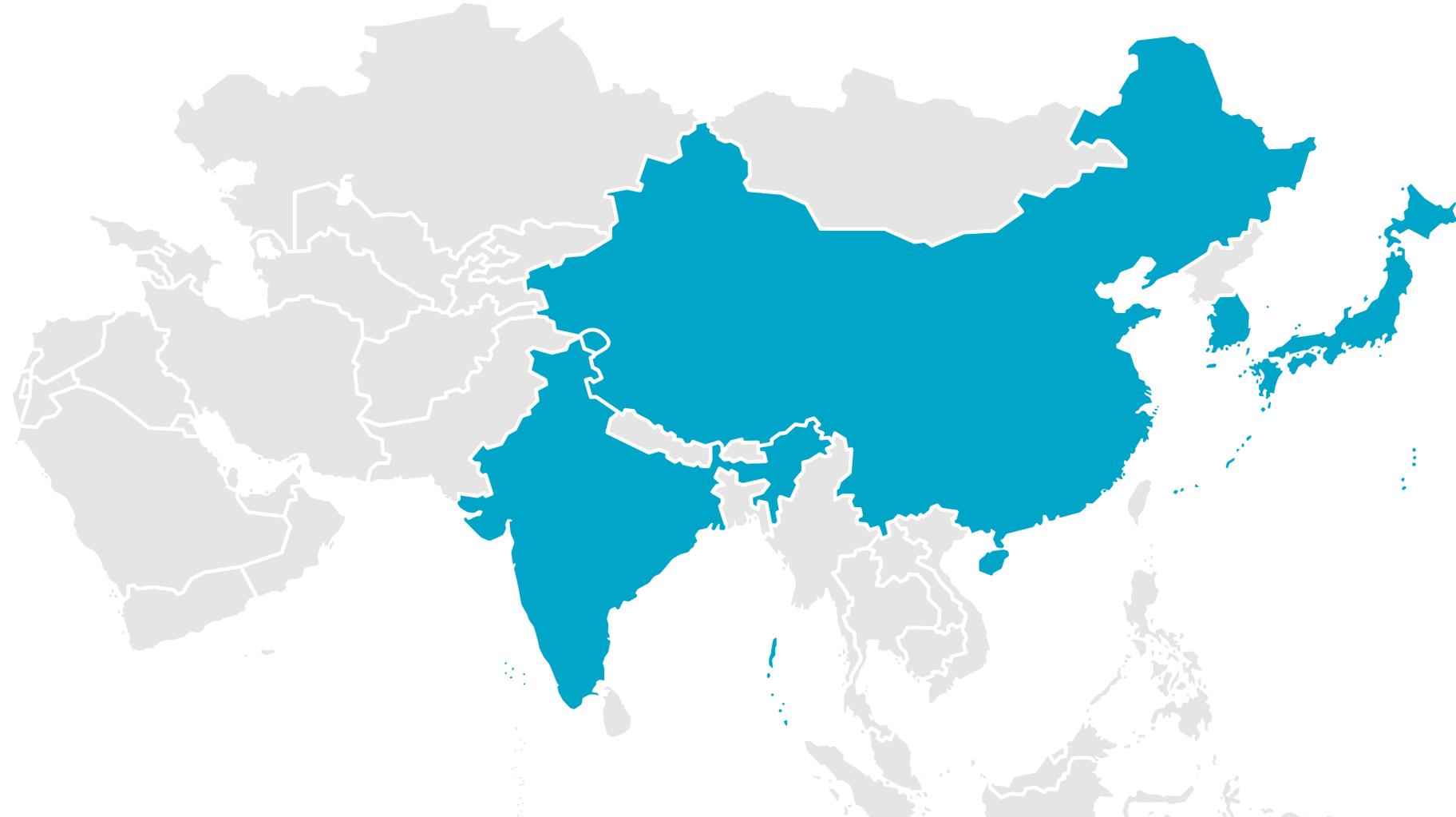
Seoul **KOR**

Kawasaki **JPN**

### ENGINEERING CENTER

Chengdu **CHN**

Lin Gang **CHN**

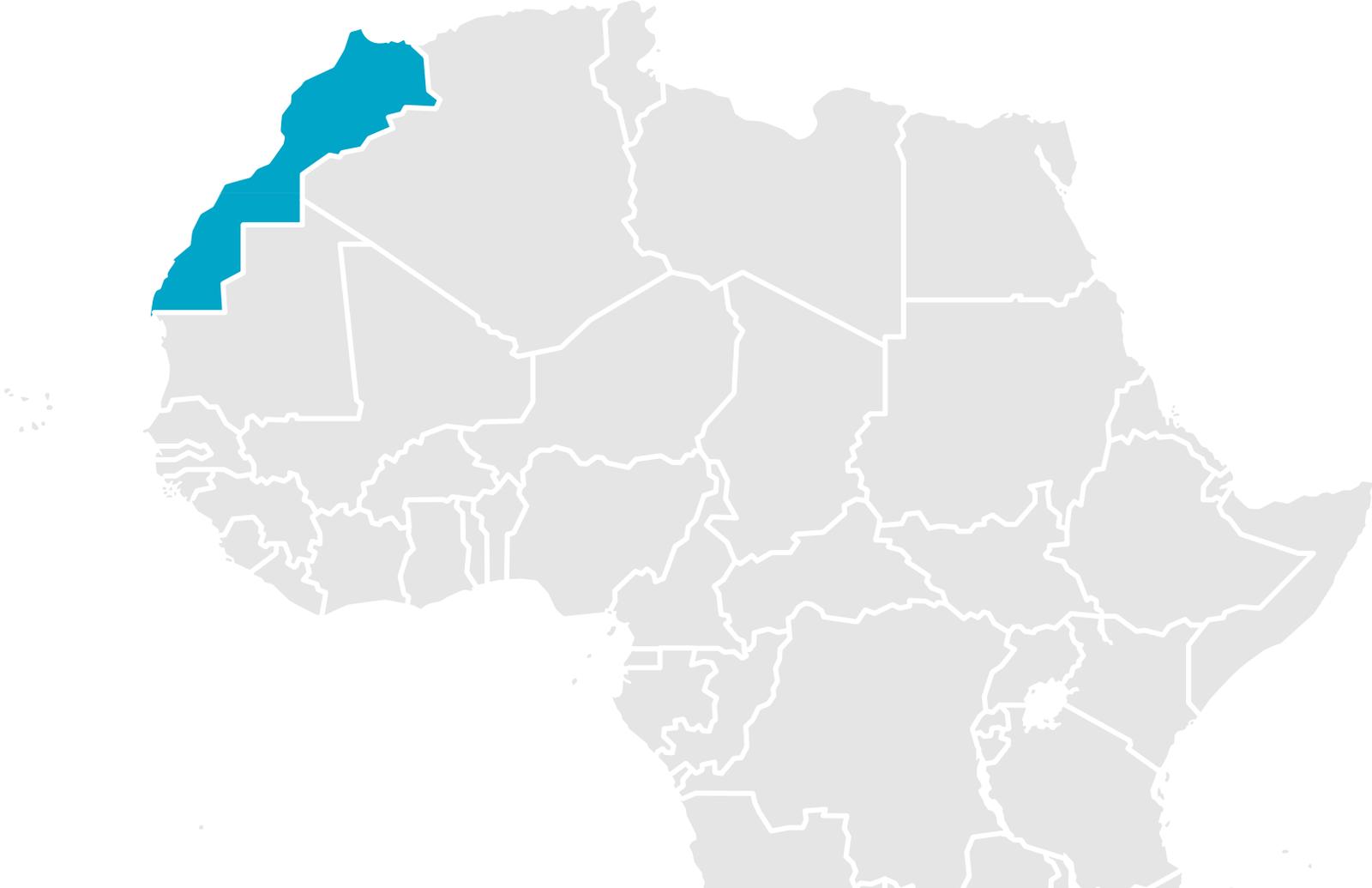


# Our Global Tech and Engineering Centers

## AFRICA

ENGINEERING CENTER

Rabat **MAR**



# Turnkey Solutions

## From Requirements to Reality

We are your reliable partner for any investment project, from the early planning stages all the way to operation and beyond.

With our extensive test system portfolio and technology-rich application know how, we are committed to deliver highly efficient and CO<sub>2</sub>-optimised turnkey solutions.

**1,000+**

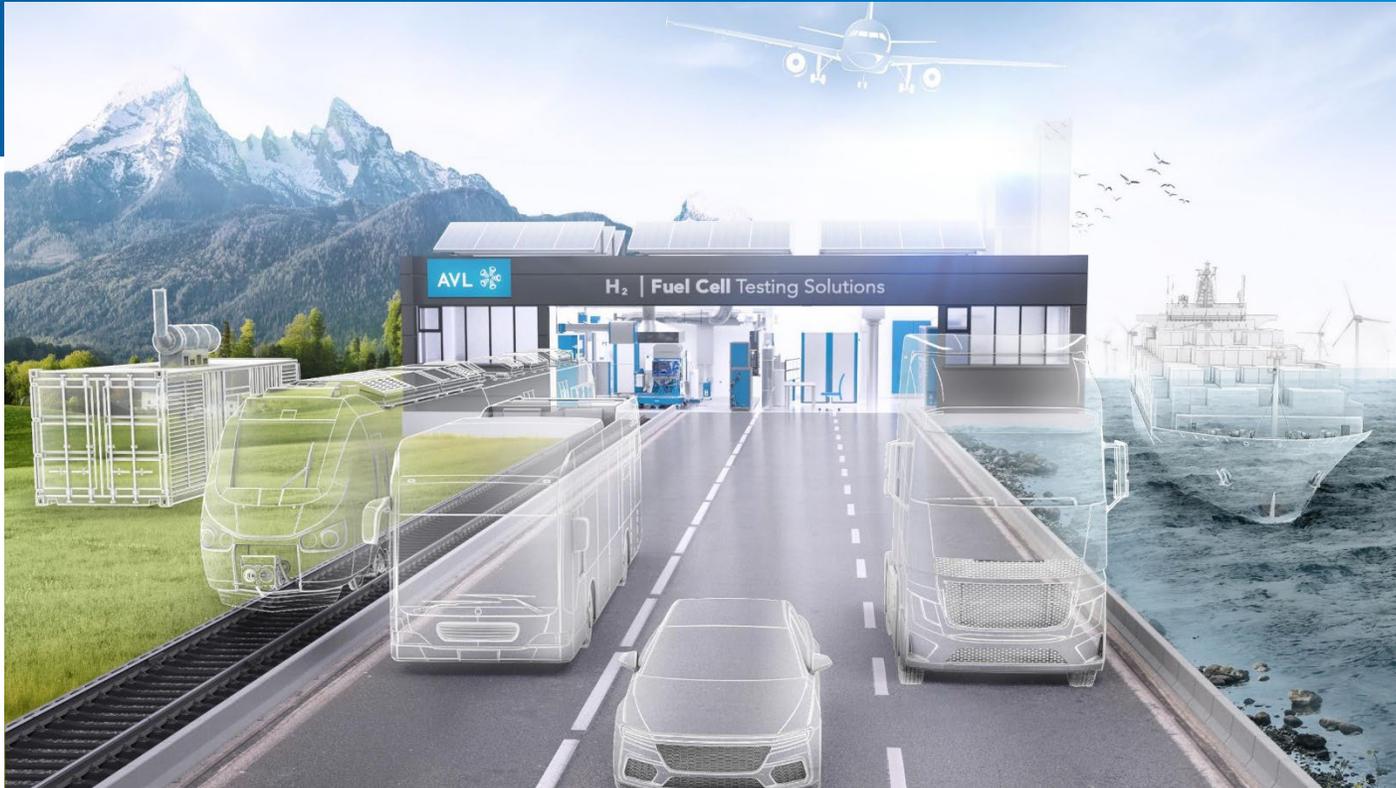
Testbeds Designed

**110+**

Executed Projects  
in 22 Countries



# Your Contact



## Stefan Kanya

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AVL CEE & MEA  
Instrumentation and Test Systems

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Austria  
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## TESTING SOLUTIONS

- Advanced tools and methodologies for energy-efficient, fast, and reliable development, testing and validation
- Great variety of application solutions connecting different development environments
- Seamless integration of AVL and third-party products, system and software solutions tailored to the user workflow



# Thank you



[www.avl.com](http://www.avl.com)

