AVL Corporate Presentation

ITEA Cyber Security customer workshop
June 29th-30th, 2020, Paris
Our Experience for your Success

• AVL achieves unique results in regards to the development and improvement of all types of powertrains as well as in the field of measurement and test technology.

• AVL – over 70 years’ experience

• Involved in more than 1,500 engine development projects

• More than 4,000 engine testbed installations
Values and Philosophy

- We turn our visions into reality for the sake of our customers’ success.
- With innovative and comprehensive solutions.
Enterprise Development Automotive

**INNOVATION 1,500**
generated patents in force

**STAFF**
11,500 employees worldwide

**GLOBAL FOOTPRINT**
45 Affiliates
45 Tech & Engineering Centers

**RESEARCH**
of turnover in-house
R&D

10%

**ENGINEERS**
and
**SCIENTISTS**

65%

**YEARS OF EXPERIENCE**
70

**POWERTRAIN ELEMENTS**
5

**2012** 1 billion €

**2019** 1.97 billion €
AVL Provides Innovative Solutions – Supporting our Customers to meet these major Challenges
Solutions for all Customer Segments

- Passenger Cars
- 2-Wheelers
- Racing
- Construction
- Agriculture
- Commercial Vehicle
- Locomotive
- Marine
- Power Plants

Powertrain Engineering
Development Platform
Simulation & Testing
Powertrain Engineering

The latest technology applied with the benefit of experience in the development of

- Internal combustion engines
- Transmissions
- Complete powertrain systems
- Hybrid and electric drives

Flexibility through open project access for customer and suppliers.

Production support provided by highly specialized production engineers.
Advanced Simulation Technologies

Process-optimized product development using the “Virtual Engine” concept

- Combustion and flow simulation
- Structural & mechanical analysis
- Acoustics

Individual software products proven in numerous applications.

Quality improvement through customized CAE solutions.
Instrumentation and Test Systems

Comprehensive technology for testing engines, gearboxes, transmissions and vehicles

- Testbed systems
- Instrumentation & diagnostics
- Optimization technology

Product innovations through close collaboration with pilot customers.

Maximum accessibility via comprehensive service offering.
AVL Powertrain – a Network of Technical Centers

**EUROPE**
- Austria*
- France
- Italy
- Hungary
- Turkey
- Russia
- Germany
- Sweden
- Great Britain
- Slovenia
- Croatia

**NORTH AMERICA / CANADA**
- USA
- CANADA
- Plymouth/USA
- Lake Forest/USA
- Ann Arbor/USA
- Vancouver/CAN

**SOUTH AMERICA**
- Brazil
- Sao Paulo/BRA

**ASIA**
- China
- India
- Japan
- Korea
- Shanghai/CHN
- Seoul/KOR
- Tokyo/JPN

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- India
- Japan
- Korea
- Shanghai/CHN
- Seoul/KOR
- Tokyo/JPN

**Public**

+ 15 Engineering Offices
+ 6 Sales Offices
~ 5 Resident Offices
Thank You

www.avl.com