



RÖCHLING

Röchling Automotive

Company Presentation



About Röchling Group



€1.8 Billion

Sales



9,700

Employees

2017



Industrial



Automotive



Medical

Röchling Group

91 Locations in 25 Countries



About Röchling Automotive



€1 Billion

Sales



5,200

Employees

2017



Automotive

Holistic System Competence

Our Vision

Boost the Efficiency of Mobility.

Our Mission

Reduce Weight and Emissions while Enhancing Comfort.

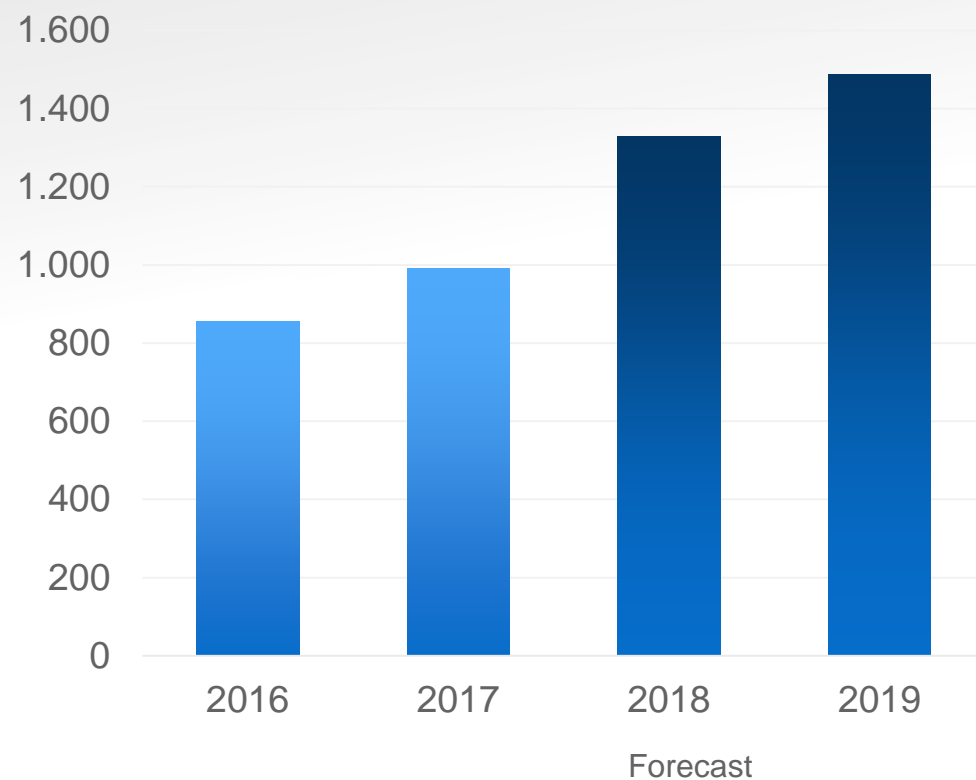
Our Competences

Applying our Fluid, Thermal & Acoustic Competences to Develop Lightweight Solutions for Aerodynamics, Propulsion & New Mobility.

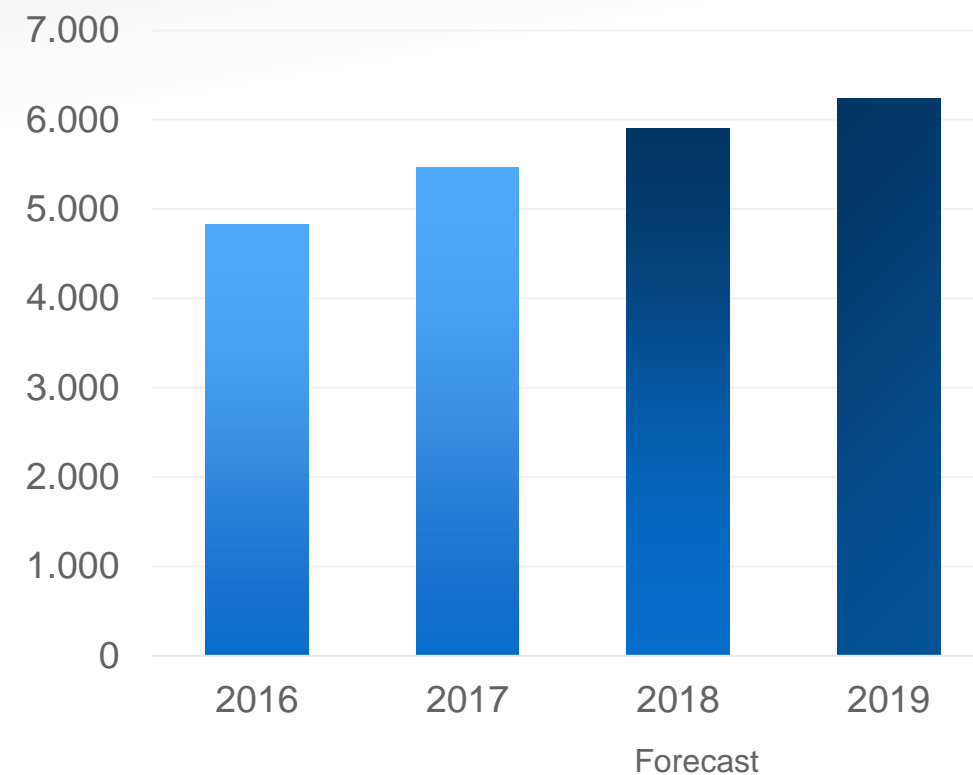
—enjoy efficiency—

Key Figures Röchling Automotive

Sales in Million €

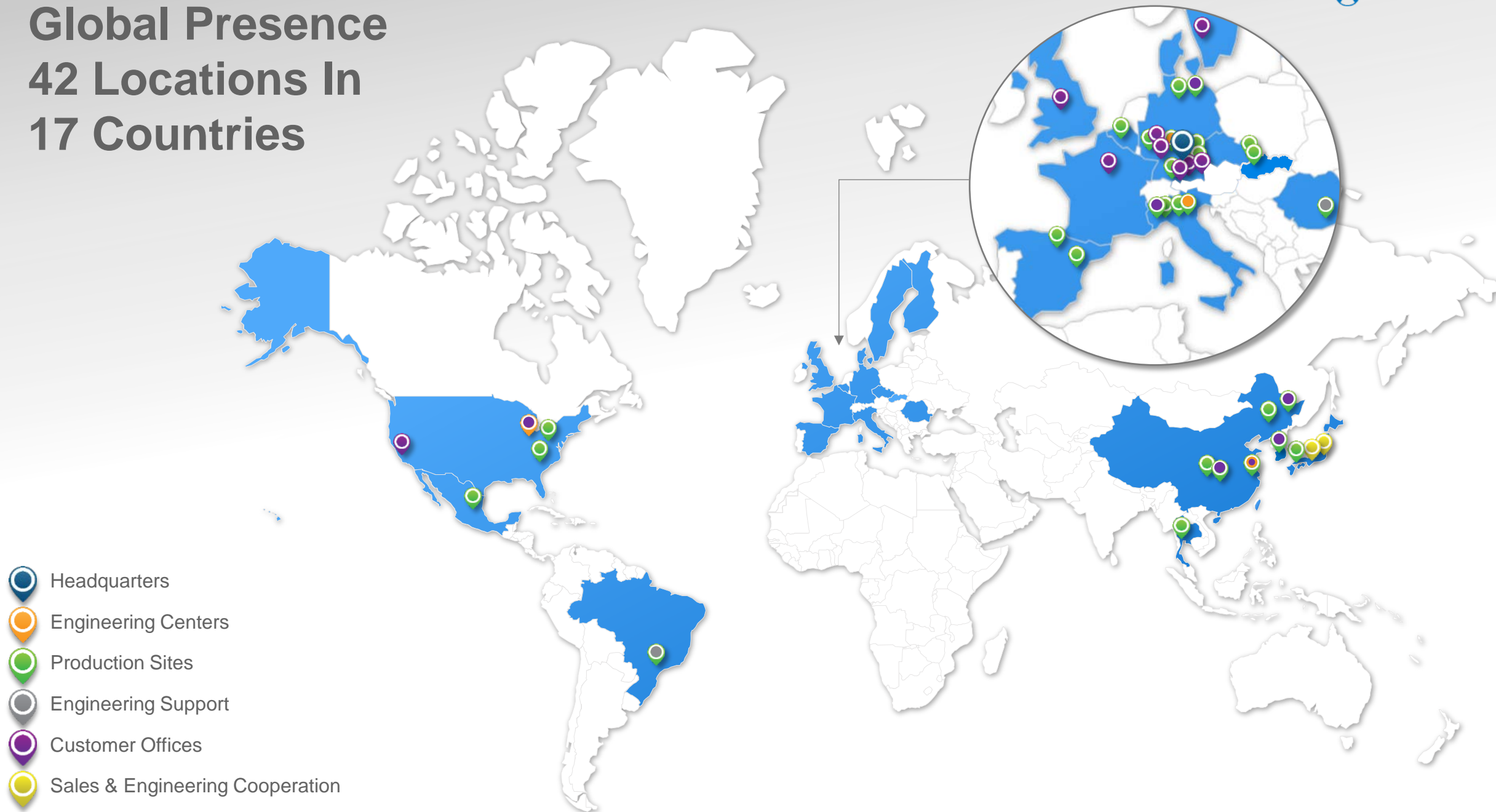


Employees



Global Presence

42 Locations In 17 Countries



Europe

Germany:

Wolfsburg, Peine, Cologne, Worms, Wackersdorf,
Rüsselsheim, Gernsbach, Stuttgart, Weidenberg,
Ingolstadt, Mainburg, Munich

Sweden:
Gothenburg

Belgium:
Gijzegem

Great Britain:
Gloucester

Czech Republic:
Kopřivnice, Kraslice

Slovakia:
Nové Mesto
nad Váhom

Romania:
Pitești

France:
Paris

Spain:
Araia, Teruel

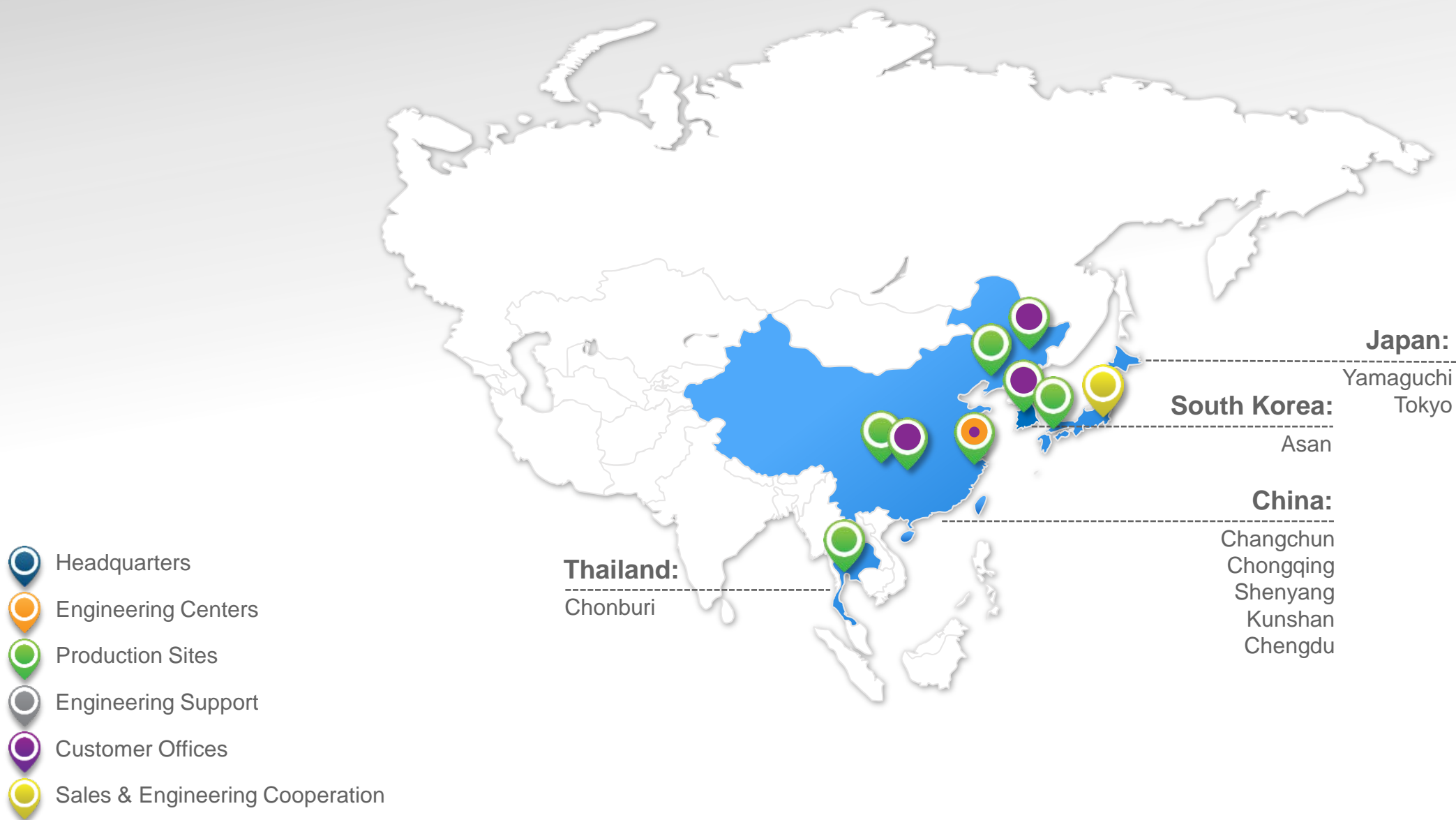
Italy:
Abbiategrosso, Volpiano,
Laives, Trento,

-  Headquarters
-  Engineering Centers
-  Production Sites
-  Engineering Support
-  Customer Offices
-  Sales & Engineering Cooperation

The Americas



Asia

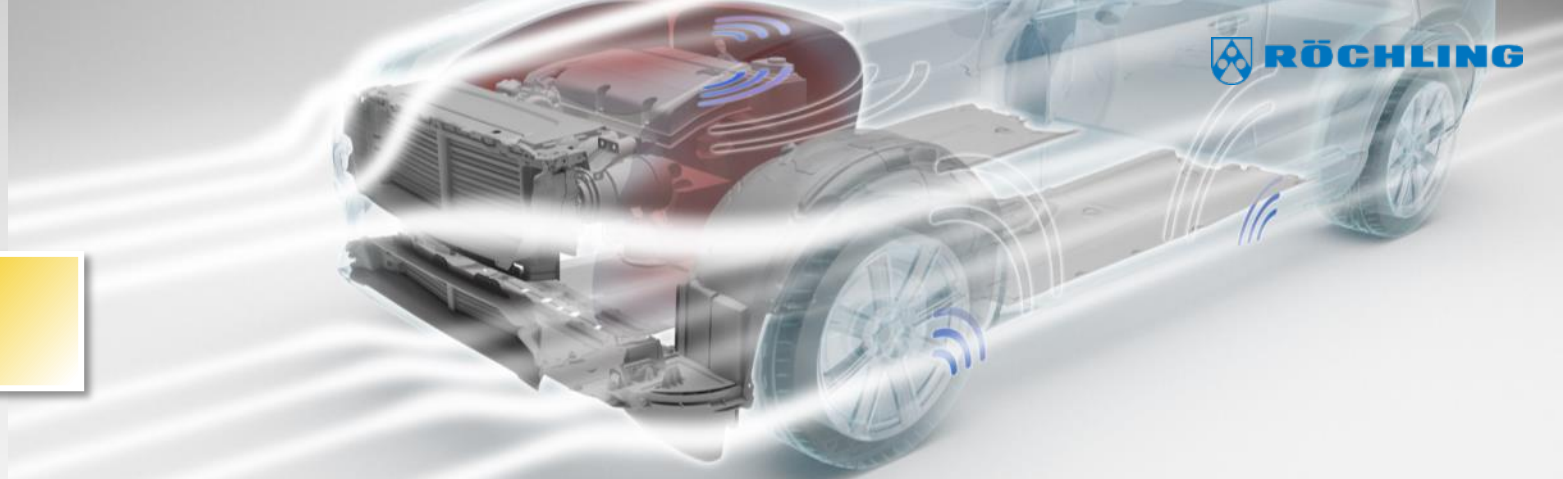


Our Customers



Our Competences

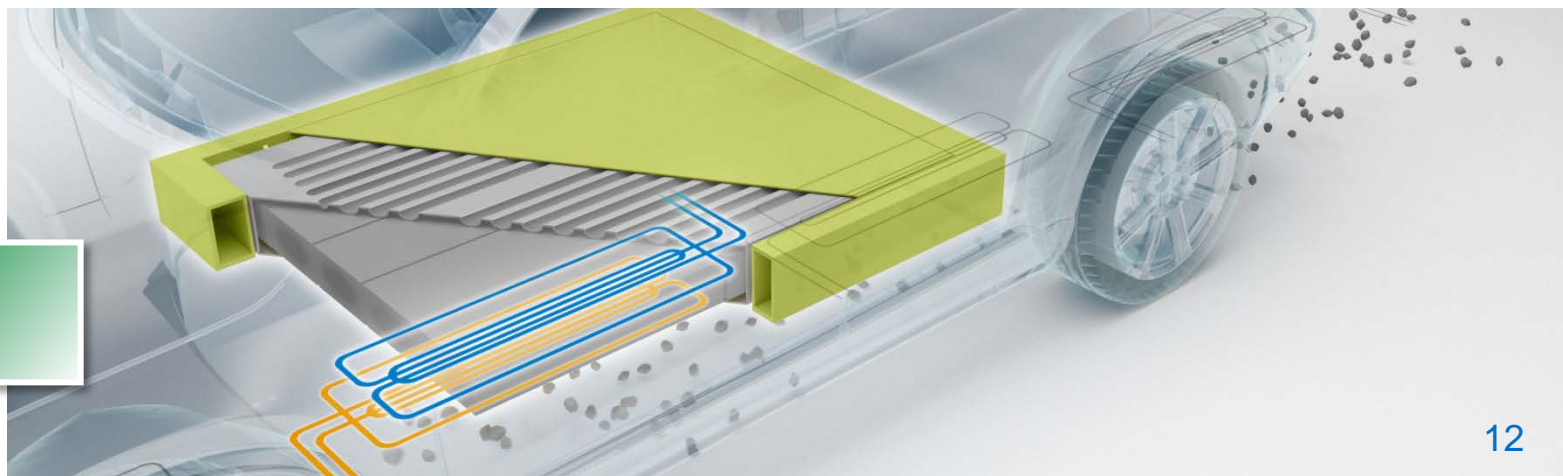
AERODYNAMICS

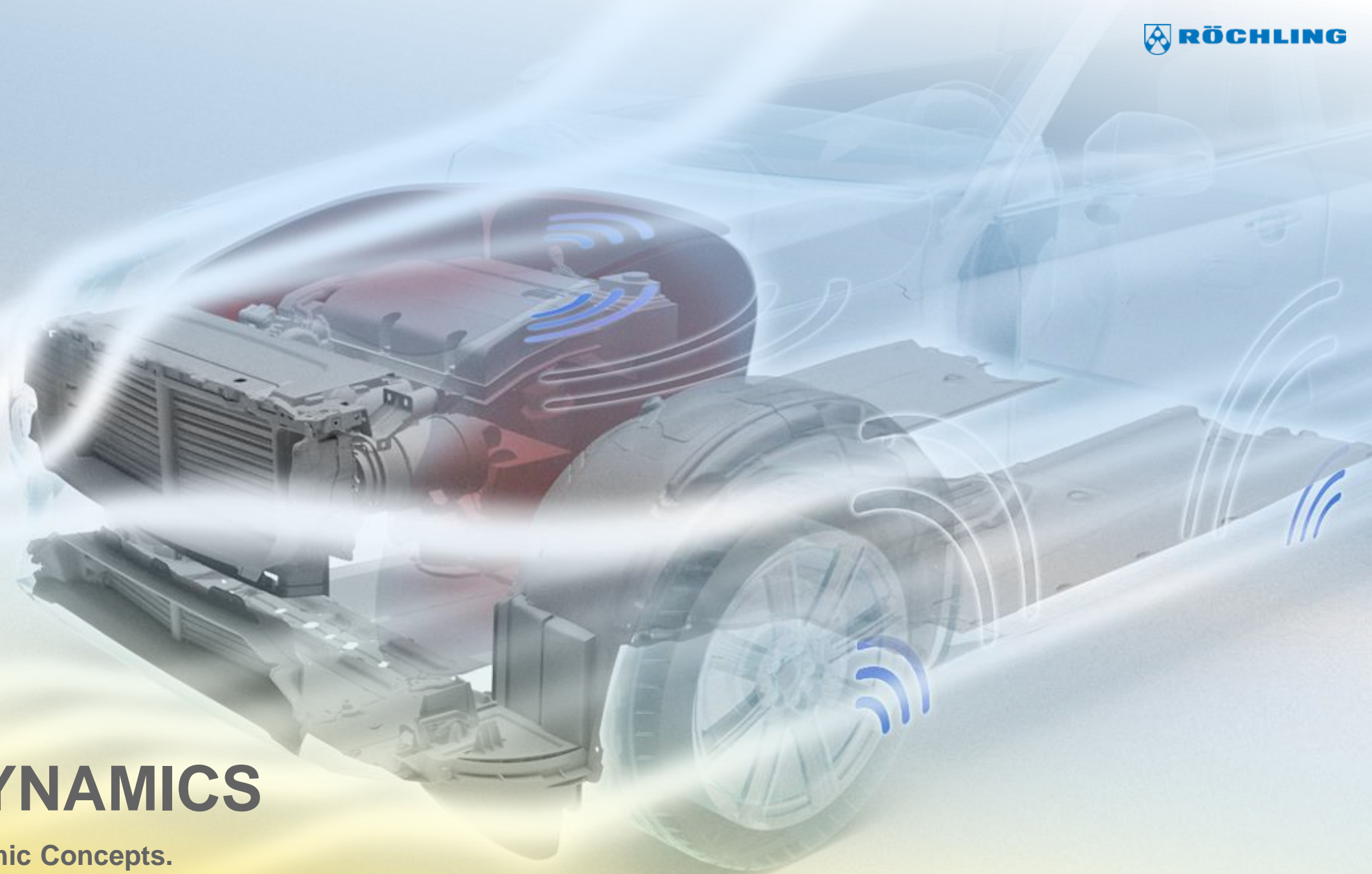


PROPULSION



NEW MOBILITY





AERODYNAMICS

Holistic Aerodynamic Concepts.
Customized Thermodynamic and Acoustic Solutions.

Active Aerodynamics

- ✓ Reduce Emissions and Fuel Consumption
- ✓ Improve Performance and Acoustics
- ✓ Lightweight and Structural Integration
- ✓ Aerodynamic and Acoustic Simulation
- ✓ Electronics and Actuator Development



Underbody Systems

- ✓ Increase Driving Comfort and Acoustics
- ✓ Sound-Absorbing Materials; Multi-Material Concepts
- ✓ Complete Systems of Lightweight Panels
- ✓ Targeted Material Development





PROPULSION

**Decrease NO_x & CO₂ Emissions. Enhance Thermal Management.
Battery Electric Solutions. Boost Performance.**

Engine & Propulsion Solutions

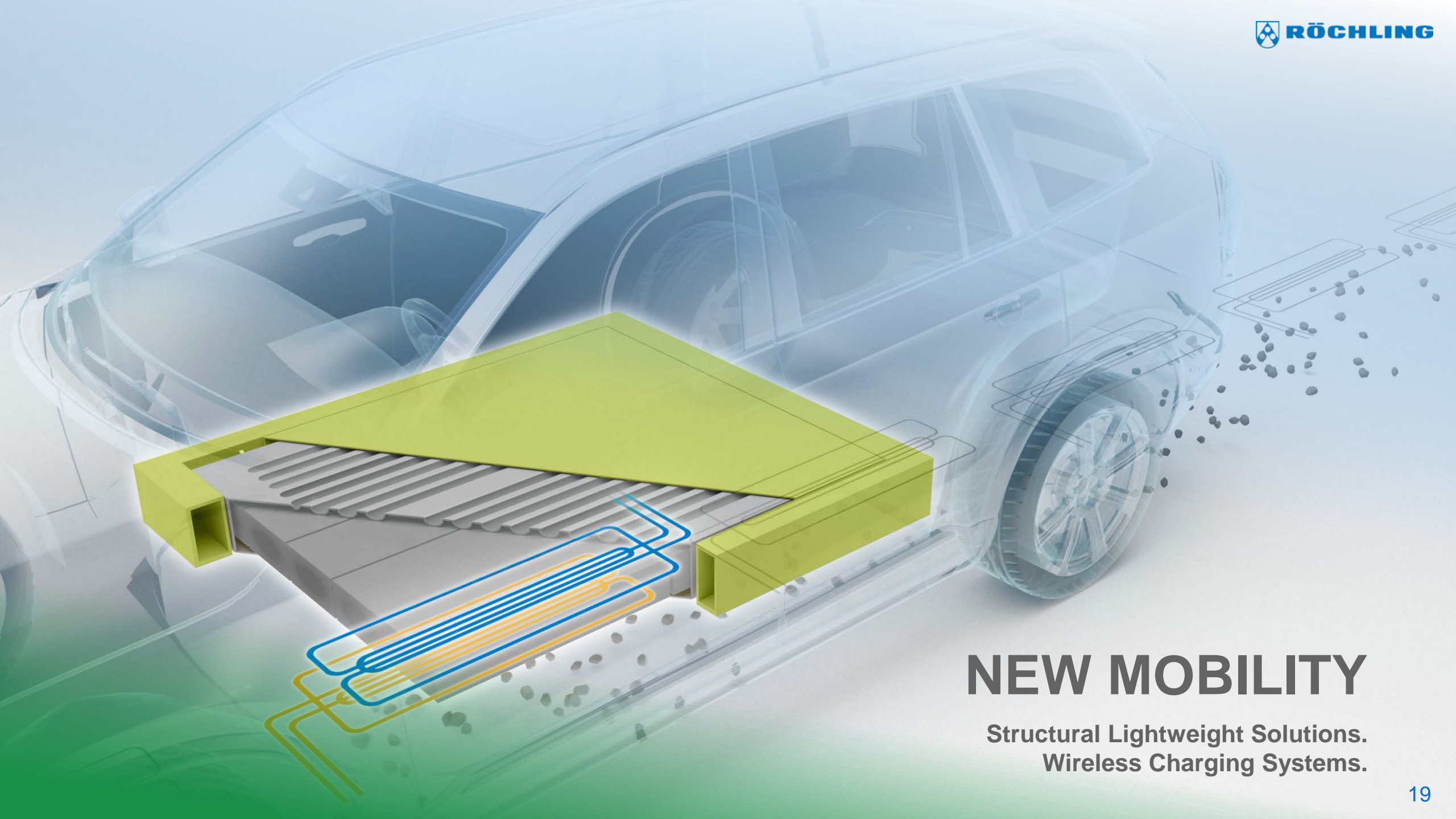
- ✓ Complete Air Intake System Solutions
- ✓ Enhanced Acoustics, Flow, and Structural Integration
- ✓ Space Saving and Enhanced Engine Performance through Intercooler Integration
- ✓ State of the Art, In-House Filter Simulation & Development
- ✓ Battery Electric Solutions
- ✓ Fuel Cell Solutions



Fluid Solutions

- ✓ Advanced Active Cleaning Systems
- ✓ Water Injection Systems
- ✓ SCR Tank Systems
- ✓ State of the Art Cooling Components
- ✓ Acoustically Optimized Air Distribution Systems
- ✓ Superior Air and Water Separation Solutions



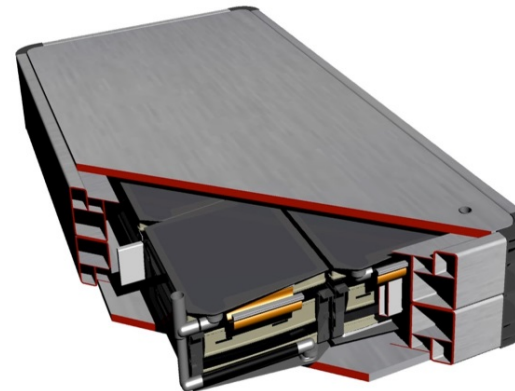


NEW MOBILITY

Structural Lightweight Solutions.
Wireless Charging Systems.

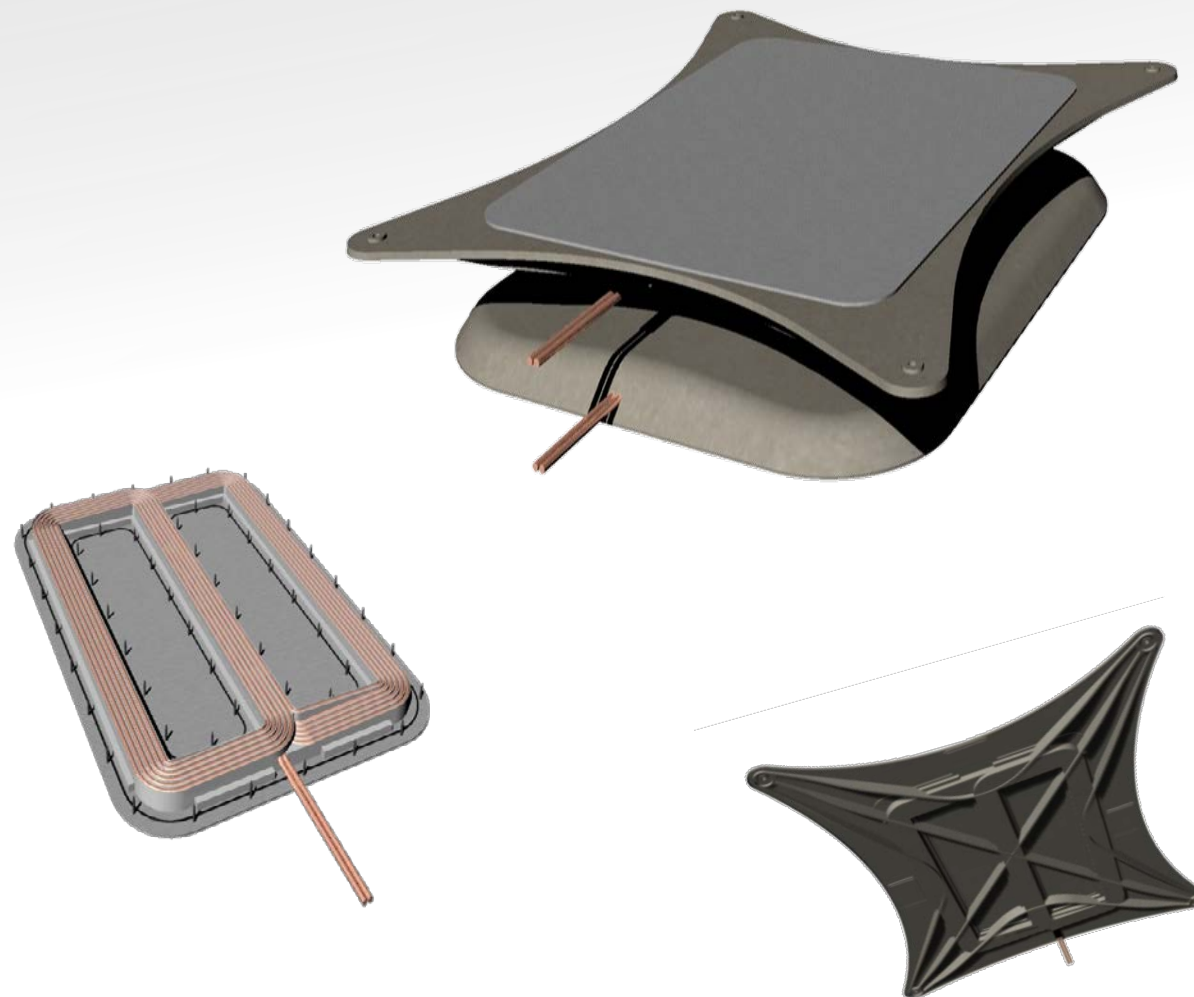
Structural Lightweight

- ✓ Lightweight and Crash Energy Absorbing Battery Housings and Covers
- ✓ Integrated Sandwich Floor – Low Weight, Acoustically Absorbing & Thermally Insulating
- ✓ LWRT (Low-Weight Reinforced Thermoplastics) Material



Wireless Power Transmission

- ✓ Integration of Inductive Charging Systems
- ✓ Infrastructure Solutions

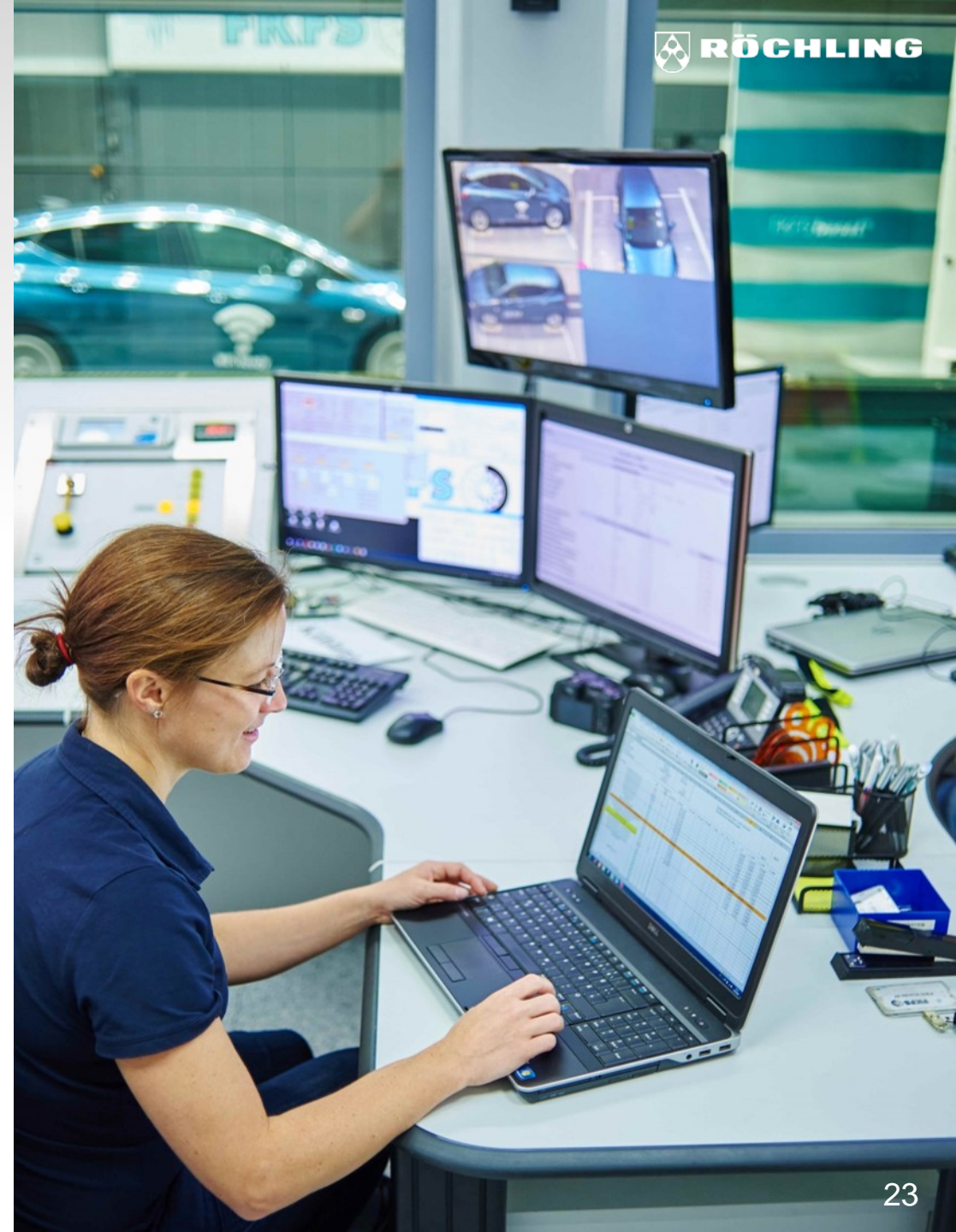


Close to the customer

***Driving
Efficiency
Home***

Full Service Benefit

- ✓ Advanced Development
- ✓ Concept, Product & Process Development
- ✓ Validation of Components and Systems
- ✓ Local Customer Service



Full Service Benefit

Engine
Performance
Simulation

Acoustic
NVH Test
Labs

CFD
Simulation
Air/Water
Separation

Acoustics
3D

Airflow
Calculations

Thermal
Simulation &
Data
Acquisition

CFD
Simulation
Airflow &
Aerodynamic
Studies

Tool /
Equipment
Engineering

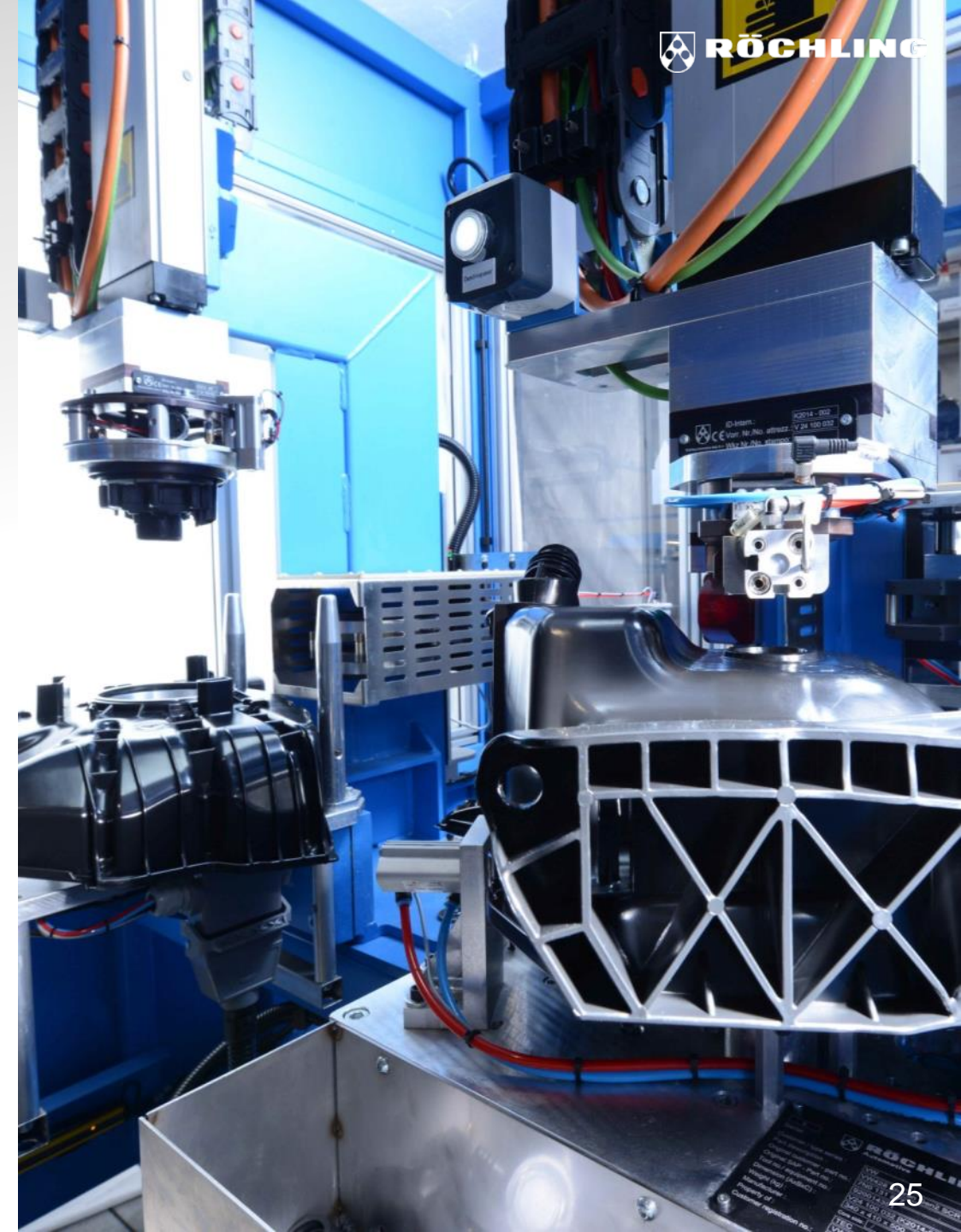
Test
Drives

Wind
Tunnel
Testing

Vehicle
Track
Tests

Manufacturing Capabilities

- ✓ Injection Molding 2C, 3C and Direct Compounding
- ✓ Projectile Injection Technology (PIT)
- ✓ Compression Molding LWRT, DLFT, GMT, SMC
- ✓ Extrusion Blow Molding 2C, 2D, 3D, 2C/3D
- ✓ Implementation of Small Scale and Large Scale Production



Enjoy Efficiency





Name



Address



Phone Number



Email



www.roechling.com

