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# Innovation in motion driving a better tomorrow



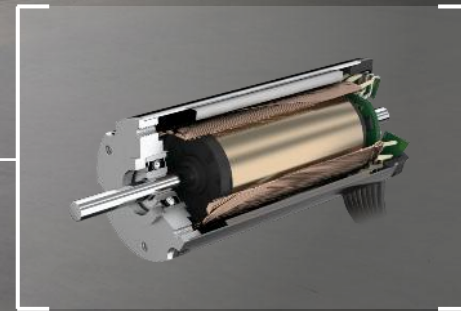
8 h



18 h/d



0.25 ... 5.8 kg





# FAULHABER at a glance



**1947**  
Founded



**HQ**  
Germany  
Schönaich



**250**  
M€ turnover



**3<sup>rd</sup>**  
Generation  
Family owned



**14**  
Locations  
worldwide



**1800**  
Employees

APAC

18%

23%

AMER

EMEA

59%



**Global**  
Footprint

# 75+ Years of MOTION

 **1947**  
 Founding of  
 Dr. Fritz Faulhaber  
 Fine Mechanical  
 Workshop GmbH




**1953**  
 Development in the  
 camera industry leads to  
 novel winding principle



**1958**  
 Patent of „Electrical micromotor“  
 with FAULHABER coil winding

 **1961**  
 Foundation of MicroMo  
 Electronics Cleveland (USA)



 **1962**  
 Foundation of  
 MINIMOTOR SA  
 Agno (SUI)



**1975**  
 Establishing  
 the world wide  
 distribution network



**1998**  
 Pushing the limits  
 of FAULHABER  
 technology



**1990**  
 Opening of the  
 new HQ building in  
 Schönaich (GER)

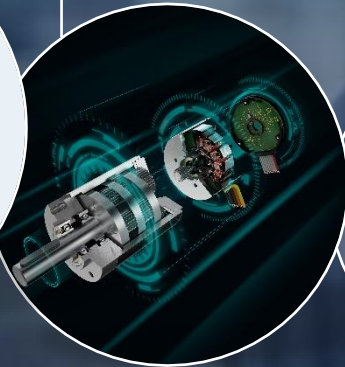


**1992**  
 Expanded automation  
 and high volume  
 production

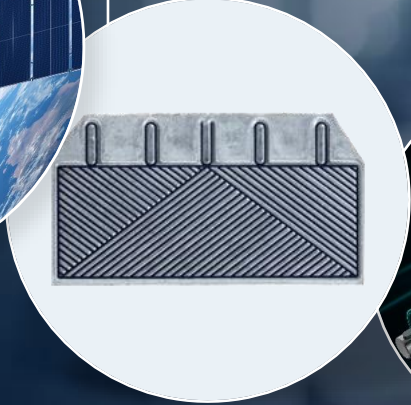
**2003**  
 Investing in  
 innovation –  
 FAULHABER  
 GROUP



**2007**  
 Expanding the  
 solution space with  
 new technologies




**2010**  
 New company  
 structure under  
 FAULHABER



**2020**  
 Focus on 4 core markets  
 “Innovation in motion  
 driving a better tomorrow”



# Investing in Innovation



**FAULHABER**  
DRIVE SYSTEMS  
Headquarter  
Dr. Fritz Faulhaber GmbH & Co. KG, Germany

**FAULHABER** invests in technology and know-how under the banner of the **FAULHABER GROUP** in order to be able to build the right synergies to offer complete solutions to our market leading customers

**FAULHABER GROUP**

**300 M€**



**MPS**  
MICRO PRECISION SYSTEMS  
Headquarter  
MPS Micro Precision Systems AG, Switzerland



# Market Focus

Environmental  
& Safety  
Equipment



Robotics &  
Automation



Precision  
Monitoring &  
Measuring

Optics &  
Metrology



Cameras  
& Vision



Medical &  
Diagnostics



Industrial Tools  
& Devices



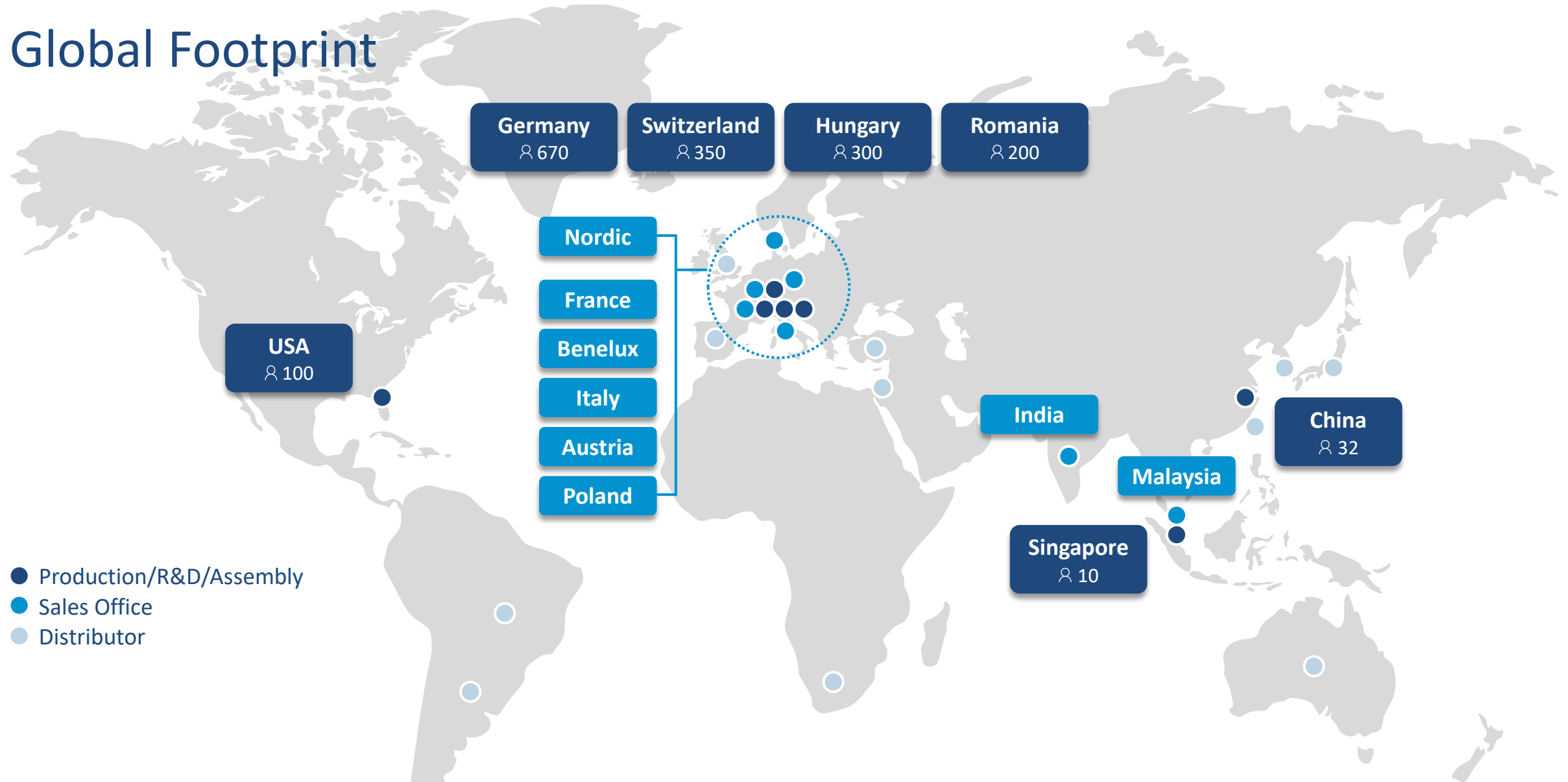
Aerospace  
& Aviation



”

We excel in challenging fields of application where compact size, high reliability, efficiency, power, and precision are critical.

# Global Footprint



# Global Production



Romania



Hungary



Switzerland



Germany (HQ)



USA



China



Asia Pacific



Sales Offices

European Production Centers

Regional Assembly Centers

Product Platform R&D

Customer Application R&D

Sales & Service

## Core Manufacturing & Synchronized Production

- CNC and automated component manufacturing
- Basic product and final combination assembly
- Special process precision motion assembly
- Component & subassembly manufacturing
- Basic product production
- High volume precision motion assembly

## Regional Assembly

- Application Development
- Standard and modified solutions and regional precision motion system assembly



Certified quality  
ISO 9001 · ISO 14001  
ISO 13485

# WE CREATE MOTION

Innovative,  
High Precision  
Products

Superior  
Service

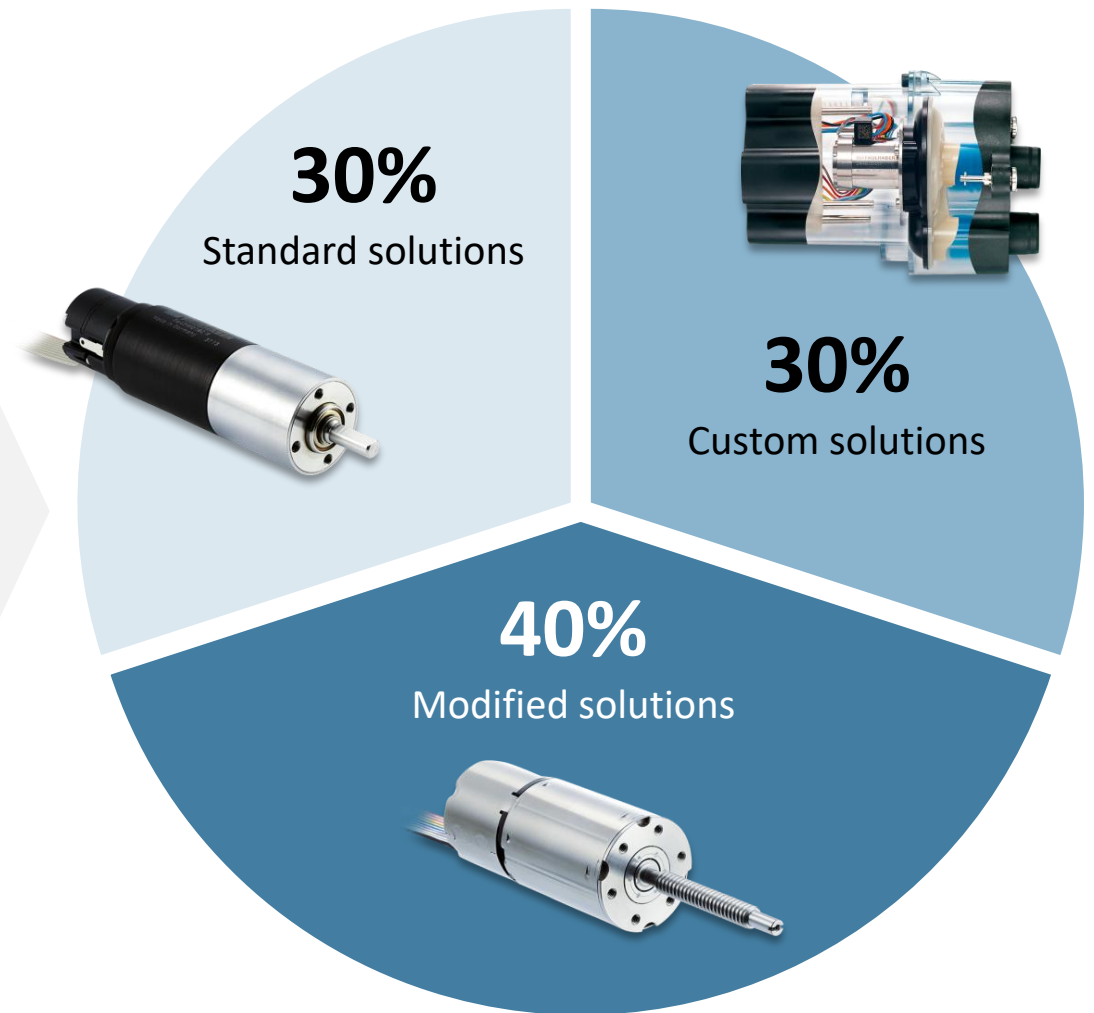
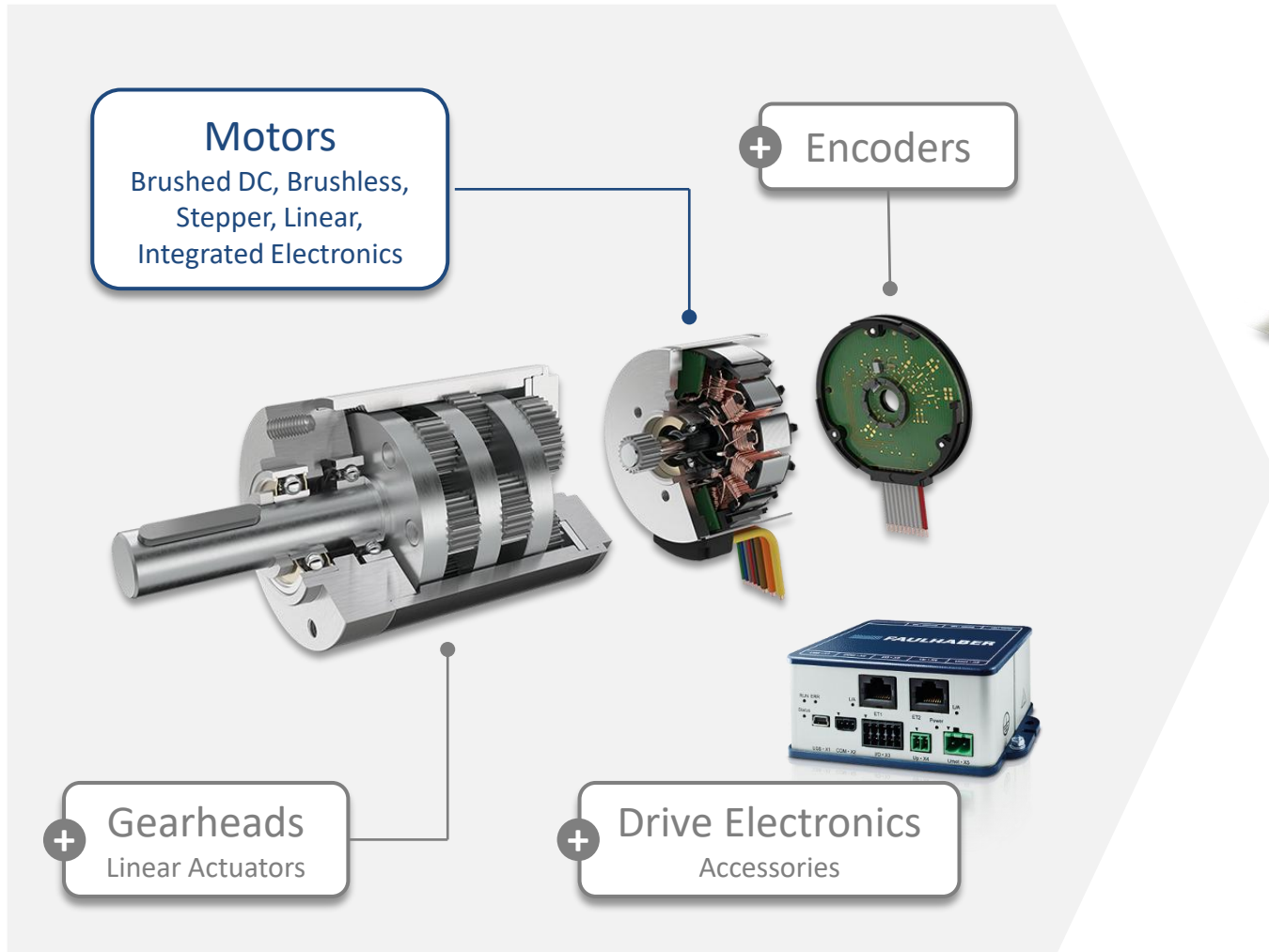


Competitive  
Positioning



”  
Enabling the  
success of our innovative  
OEM customers in the  
sustainable markets  
of the future is at the center  
of everything that we do.

Karl Faulhaber

# Drive System Solutions



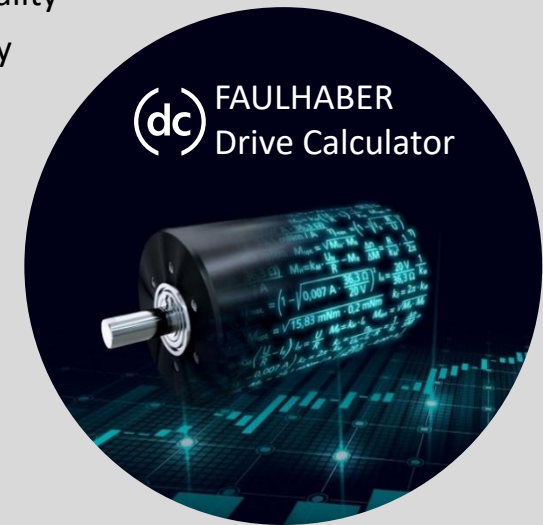
# Standard Solutions

-  High power to volume
-  High reliability
-  Low weight, most compact dimensions
-  Robust design made for the success of our B2B customers
-  Low voltage, high efficiency

**>25 m.**

Possible product combinations

- Focus on high precision and performance up to 250W output power
- Integrated features such as electronics, sensors and encoders for enhanced miniaturization and functionality
- Standard options for maximum adaptability and flexibility
- Widest range of small drive technologies available to find the best performance basis for each application
- Powerful tool to select and calculate the most suitable Drive System solution



# Modified Solutions - Next level integration



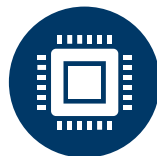
Mechanical / Electrical  
Performance Enhancement



Shock & Vibration  
Hardening



EMI Protection



Software / Firmware /  
Communication



Mechanical /  
Electrical Interfaces



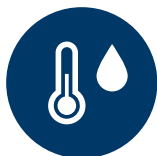
Product Marking /  
Serialization



Noise Optimization



EOL Testing /  
Documentation

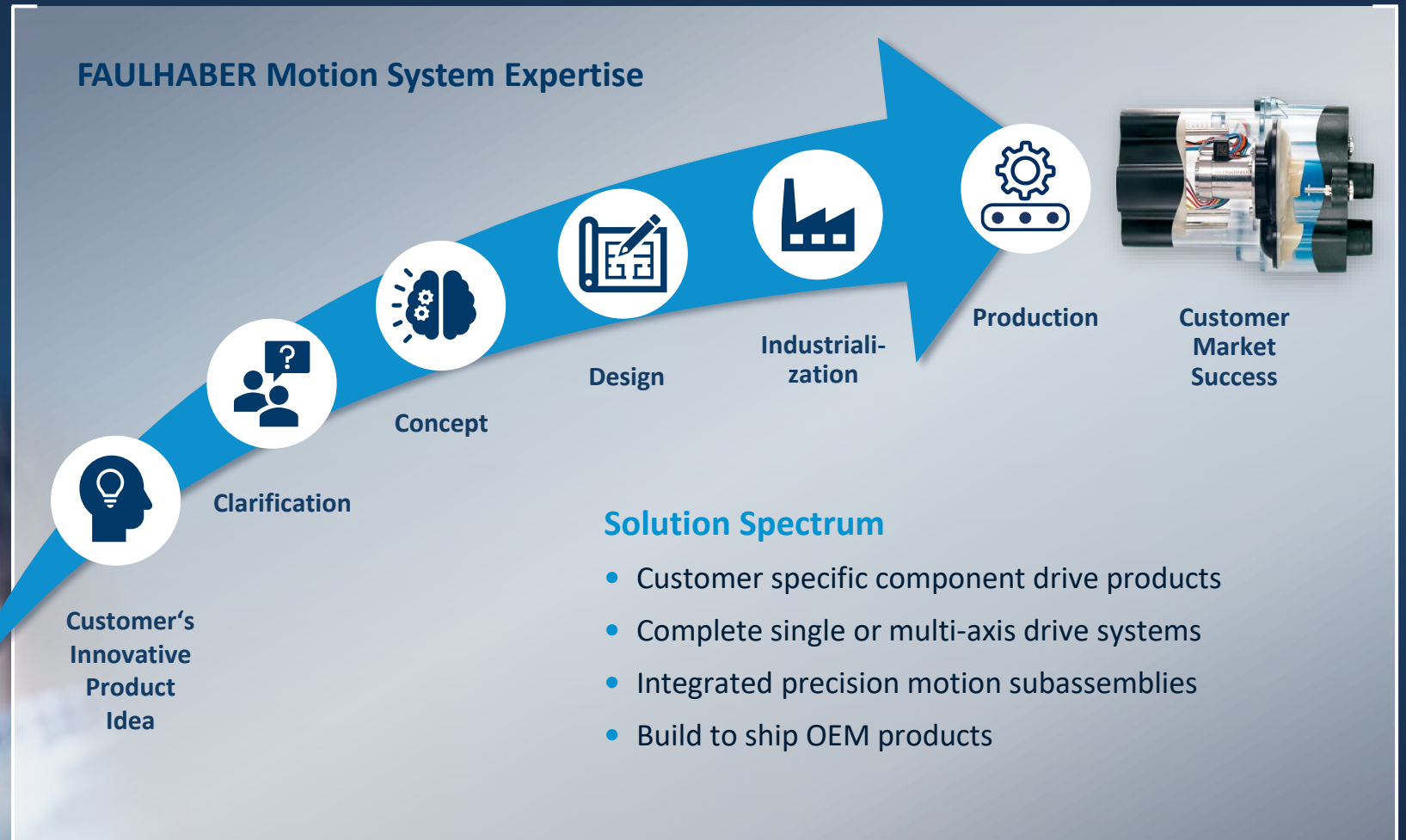


Extended Temperature /  
Humidity / Vacuum Ranges

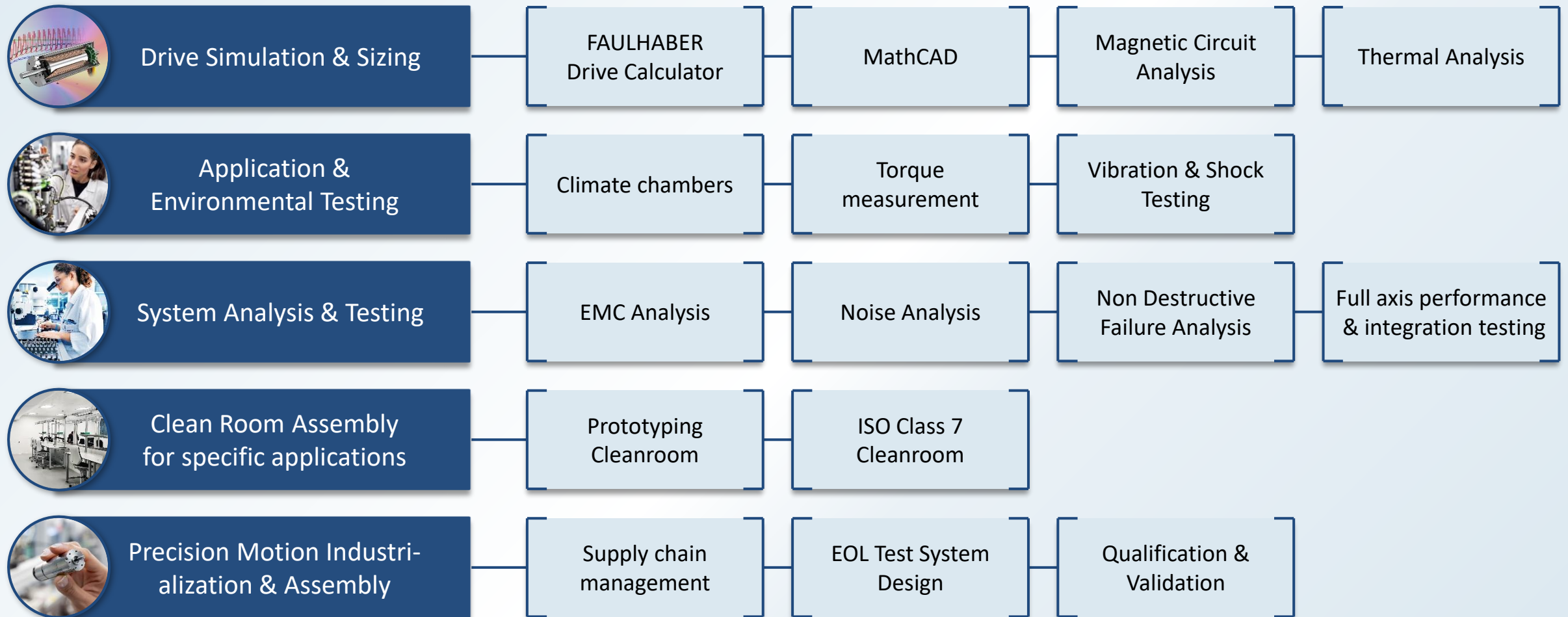


# Customer Solutions

- Focused project management with **flexible interdisciplinary teams of motion system experts**
- Structured **milestone planning and coordination**
- Thorough documentation depending on the **specific market requirements**



# Customer Support Competencies



# Sustainability



Corporate responsibility



Commitment to our employees



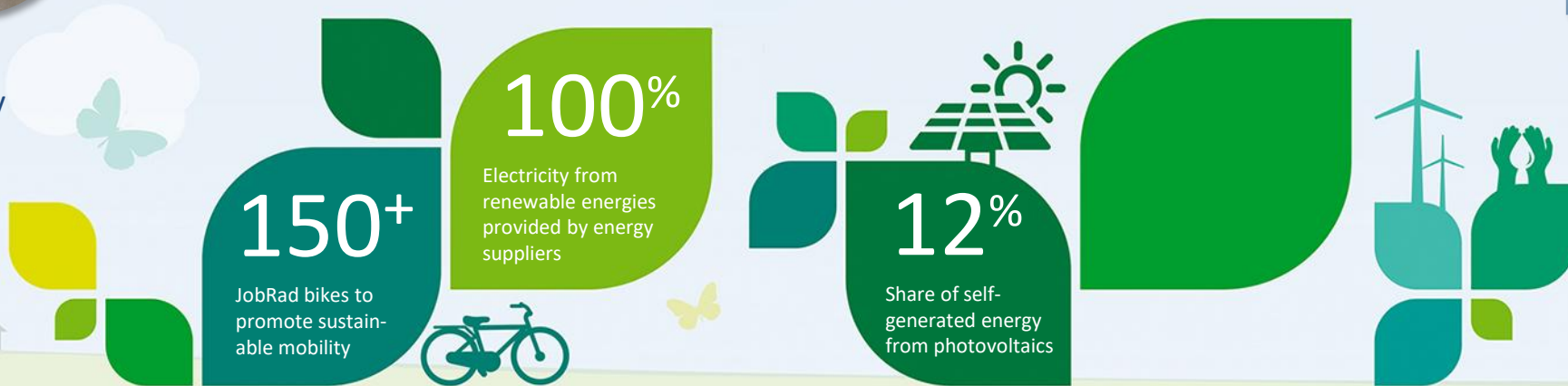
Highly efficient product technology



Product conformity



High level of business integrity



# Innovation in motion driving a better tomorrow

We make a positive and sustainable impact through innovation in high precision motion on future generations by enabling



The improved function, availability and affordability of **state of the art healthcare and diagnostic devices** for all members of our global society



The positive and balanced cooperation of man and machines **for labor, service and mobility to improve well being and sustainability**



The improved efficiency, productivity and effectiveness of machines **to manufacture the next generation of sustainable and meaningful products and materials**



**The creation of the devices** to better understand the universe and our physical world and our impact as humans on both, **through science and research**

# Your Contact



## Australian Distributor:

[sales\\_support@erntec.com.au](mailto:sales_support@erntec.com.au)

[MicroDrives | Homepage](#)

+61 3 9756 4000

## Local Value Add:

- Drive solution assistance
- Sheet metal & machining solution
- Additive solutions
- Cable assembly options

# The DNA for next gen applications

