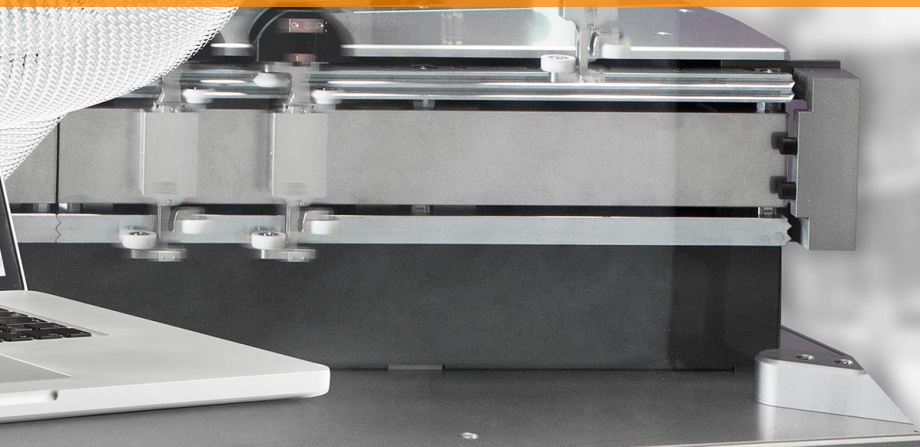
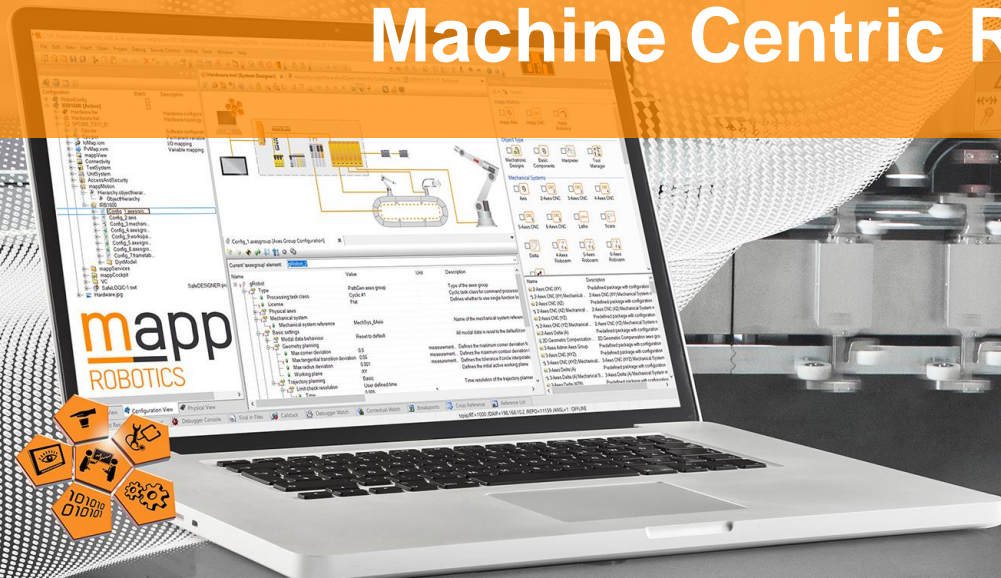




Machine Centric Robotics





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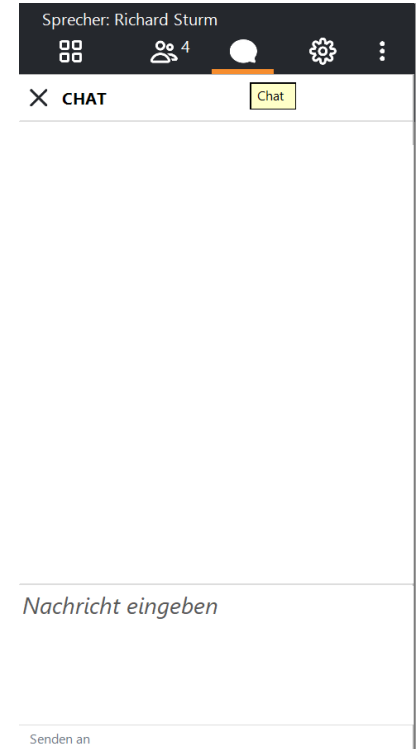
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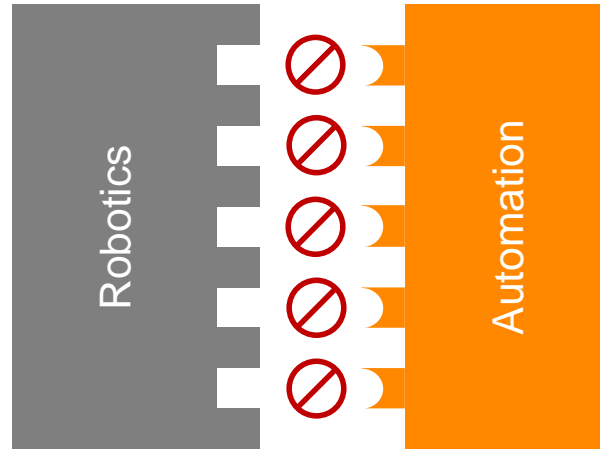


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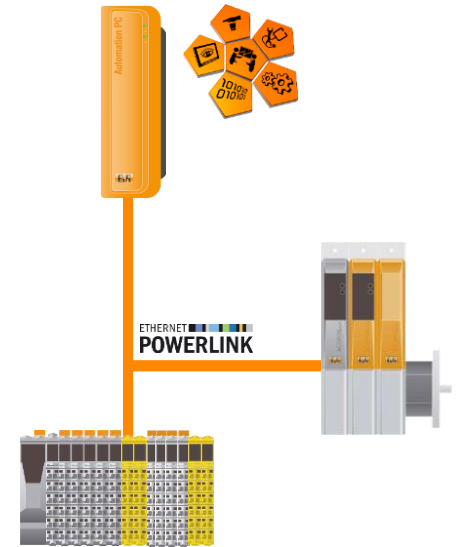
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Challenge: independent systems



 technically and organizationally



B&R will lead the trend to integrate robots in machine automation



Robots increase flexibility

Robots increase productivity

Robots increase competitiveness

One strong business partner

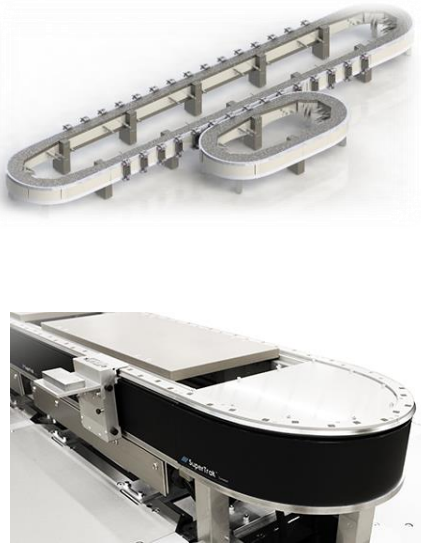
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Integrated Machine Solution

Track Systems

mapp Trak

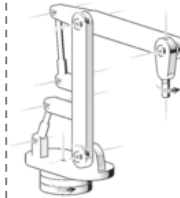
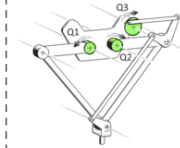


Machine-Centric Robotics

mapp Robotics



3rd party robots



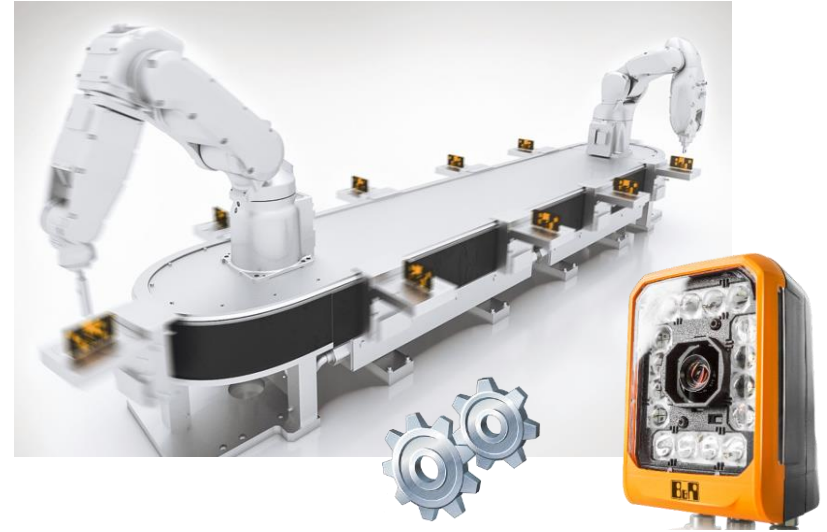
Motion Control

mapp Axis





- Increase productivity
 - Real-time movement synchronization
 - Real-time sensor synchronization



- Increase usability
 - One interface for the entire machine

Two worlds united



- One uniform IDE

- Faster engineering
- Simple commissioning
- Efficient diagnostic



- Simulation

- Visualization early in design phase
- Software and functional testing



- Enhanced Usability
 - Drag-and-drop
 - Simple configuration
- Ready-made „Mechatronic Designs“ for robots
 - Performance according to ISO 9283
- Minimize development and commissioning effort

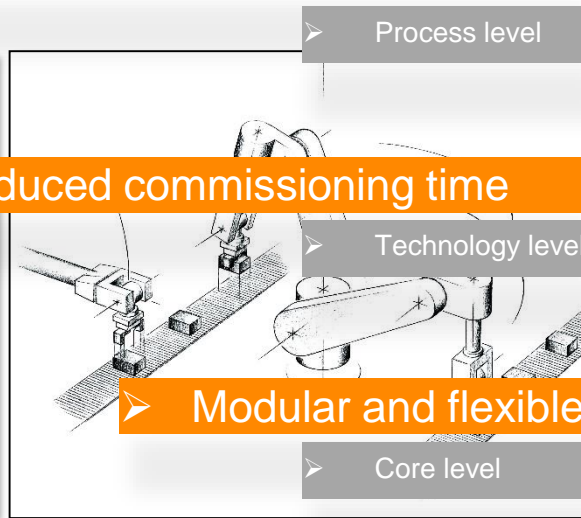




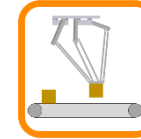
➤ Reliable software solutions



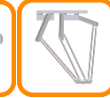
➤ Reduced commissioning time



Process configuration



Predefined configuration



Basic configuration

Axis



ACOPOS

Axisgroup



DS402

Tool

Stepper

...

...

LIVE

Robot as integral part of the machine



- Smaller footprint

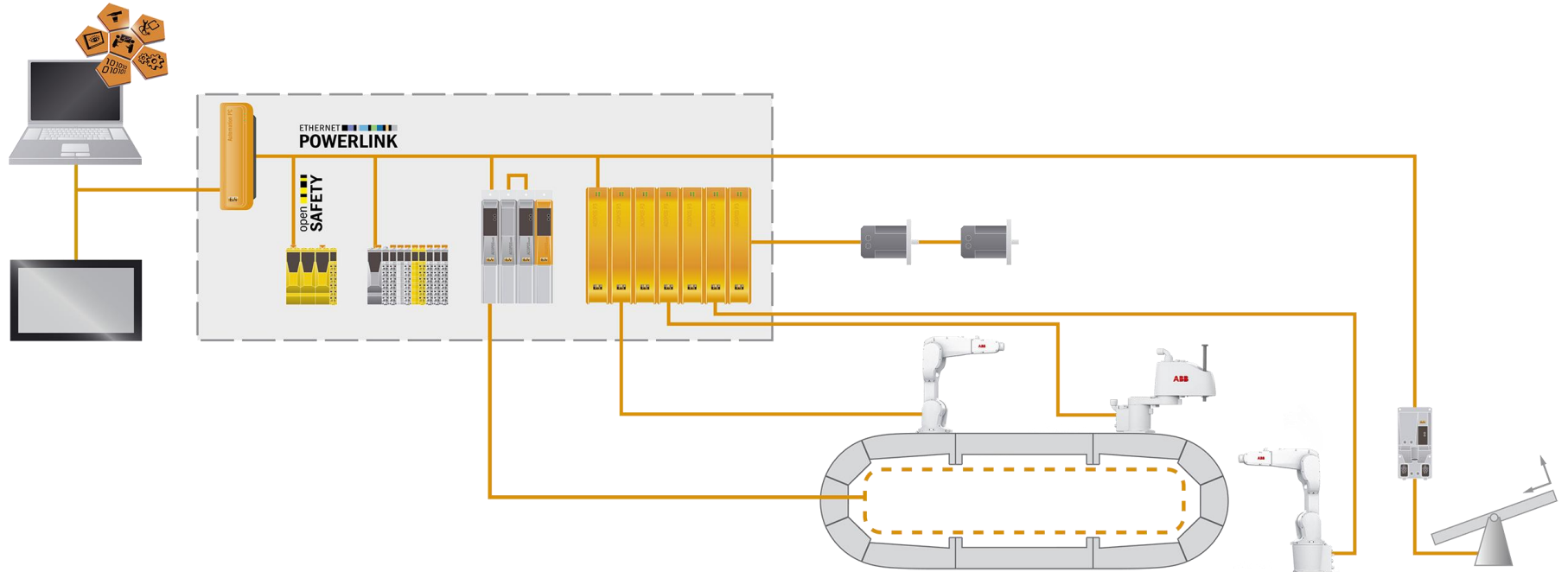
- One cabinet
- Reduce variants of spare parts



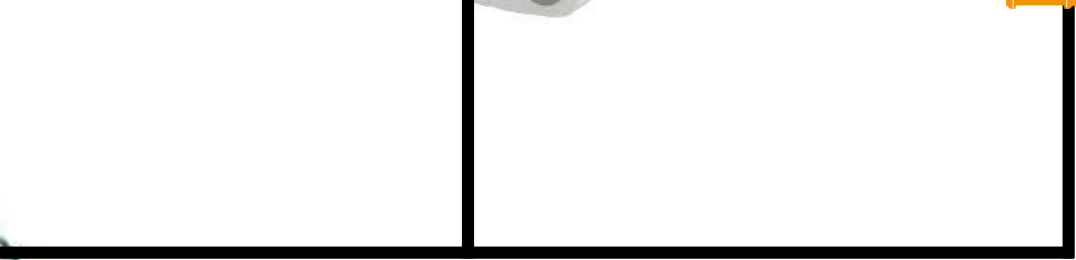
- One strong business partner

- Consulting
- Implementation
- Commissioning

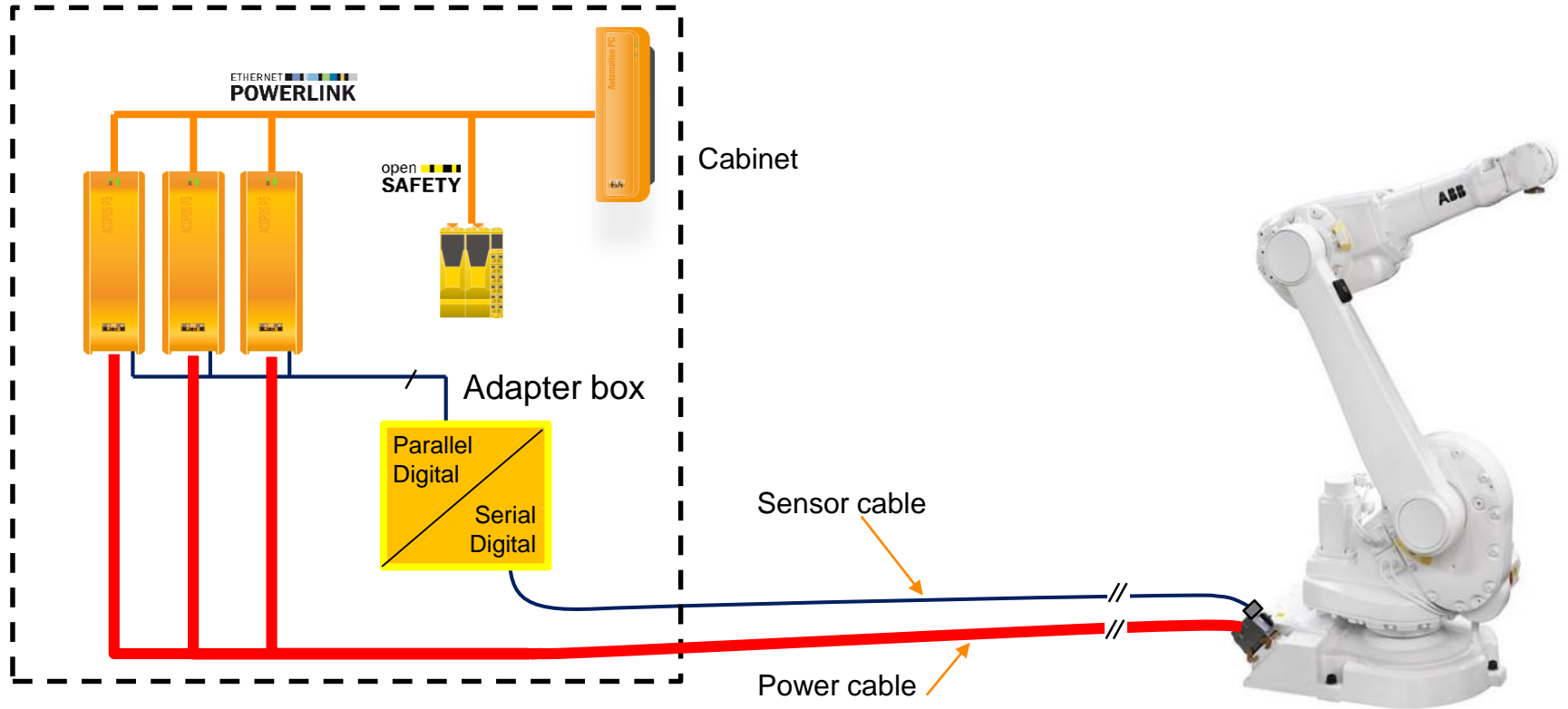
Seamless integration – automation of the future



Standard ABB robot



General technical approach





- Comprehensive portfolio
- Different robot-types
- Scalable working area and payload



Portfolio (preliminary data – iterative rollout)

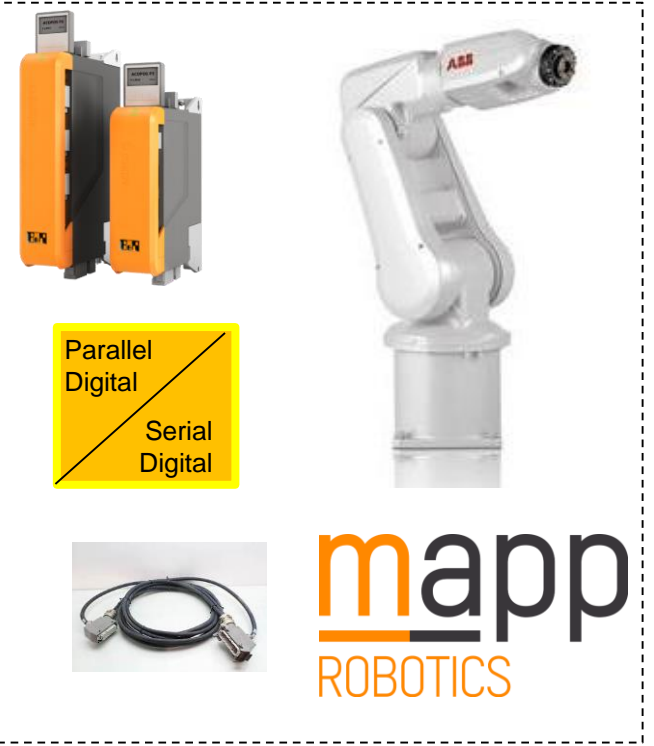


Robot – types	Naming	Working area	Payload
Articulated robot	IRB 1100	0,475 – 0,58 m	4 kg
	IRB 1210	0,7 – 0,9 m	5 – 7 kg
	IRB 1600	1,2 – 1,45 m	6 – 10 kg
	IRB 2600	1,65 – 1,85 m	12 – 20 kg
	IRB 4600	2,05 – 2,55 m	20 – 60 kg
	IRB 6700	2,6 – 3,2 m	150 – 300 kg
Palletizer robot	IRB 660	3,15 m	180 – 250 kg
Delta robot	IRB 360	0,8 – 1,6 m	1 – 8 kg
Scara robot	IRB 920	0,45 – 0,65 m	3 kg

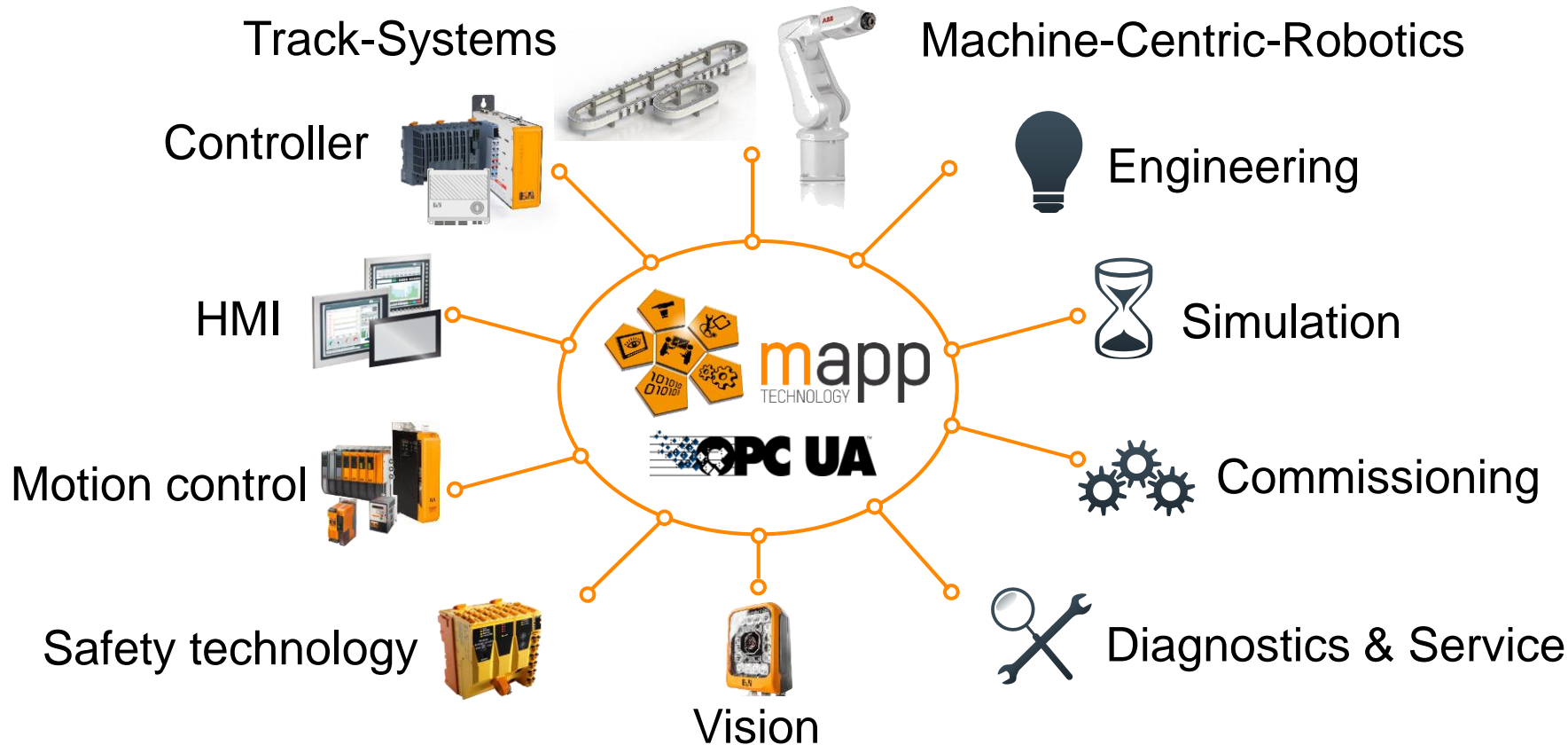


Ready-made package per robot:

- Defined drives (ACOPOS P3)
- Robot arm
- Adapterbox
- Cabling (floor cable, cabinet cable)
- Software licenses
- Optional: New mobile panel



Unmatched system offering!





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Weiter Workshops



Online-Workshop: 21. Juli, 09:00 Uhr

PC- und Panel-Systeme
Überblick behalten mit Bediengeräten

