

# NETBEE

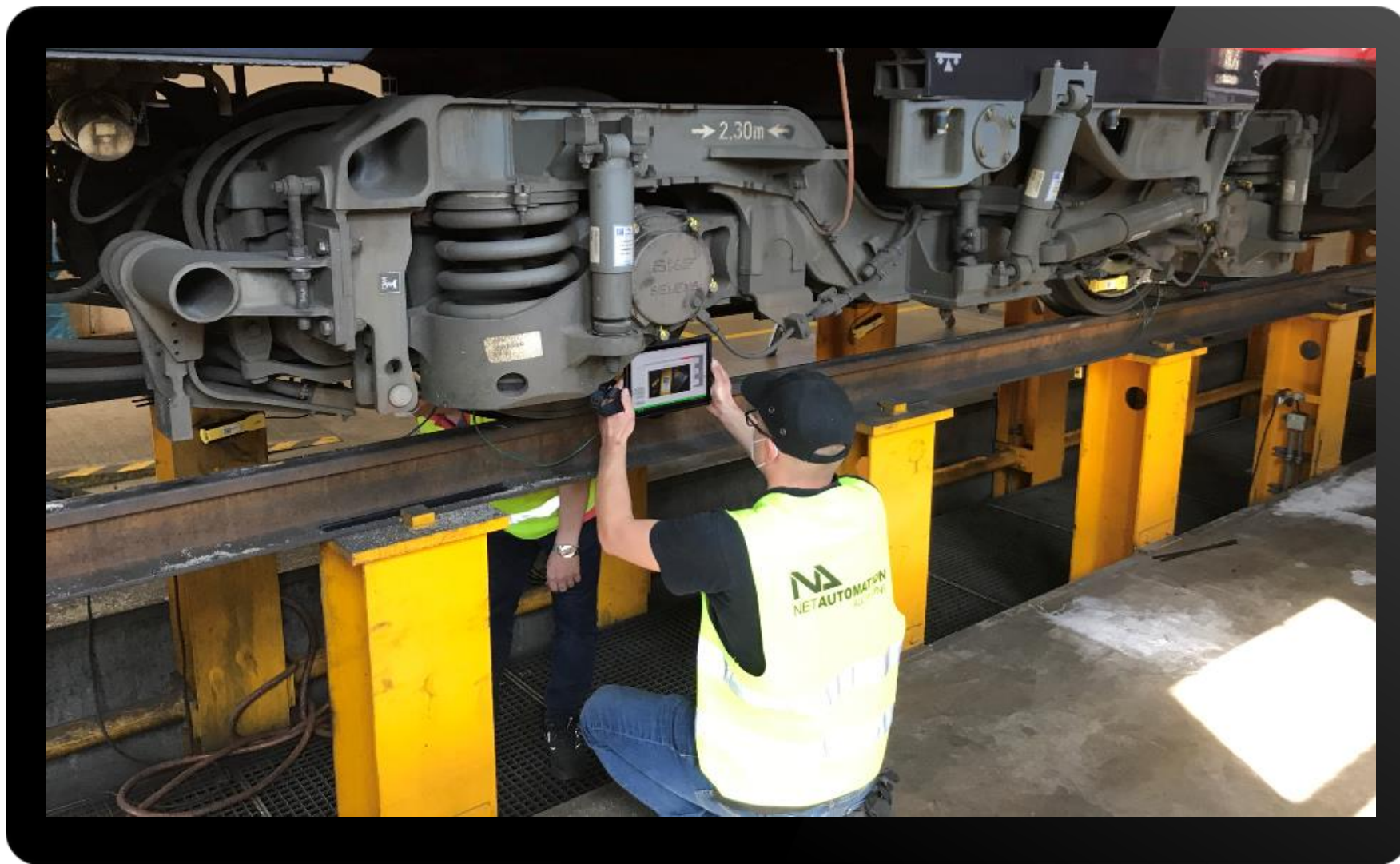
ForceBEE



EFFECTIVE

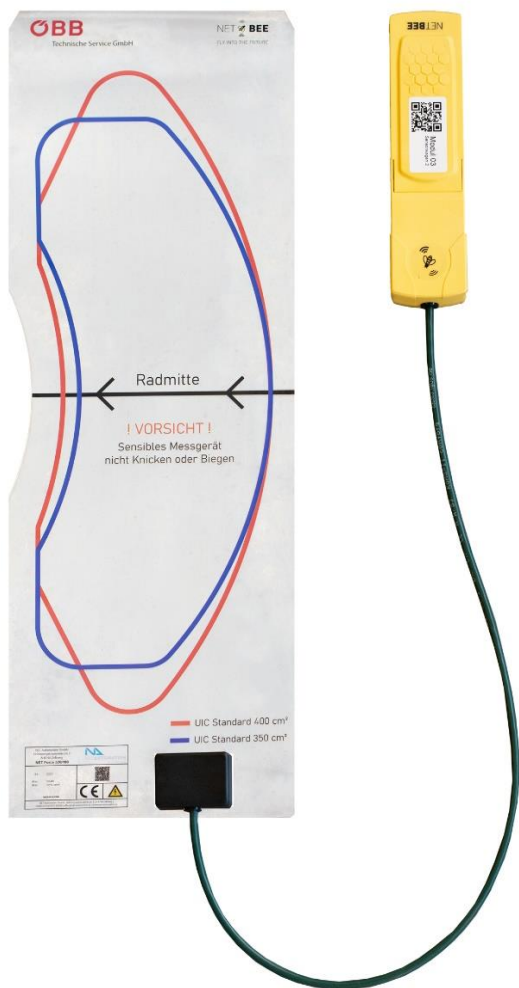
BRAKE FORCE MEASUREMENT

WITH THIN-FILM FOILS



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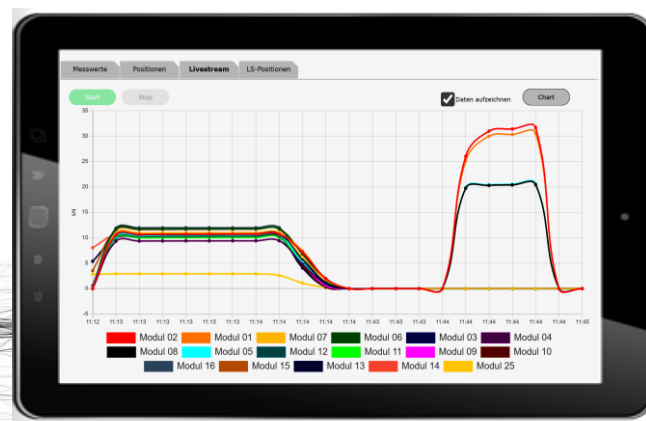
## ForceBEE



Measurement trolley with NETBEE foil force sensors

Wireless data transmission

Operation via tablet PC



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## Benefit from minimal set-up times

- ✓ without tools
- ✓ without removing the brake pads
- ✓ without opening the brake cylinder



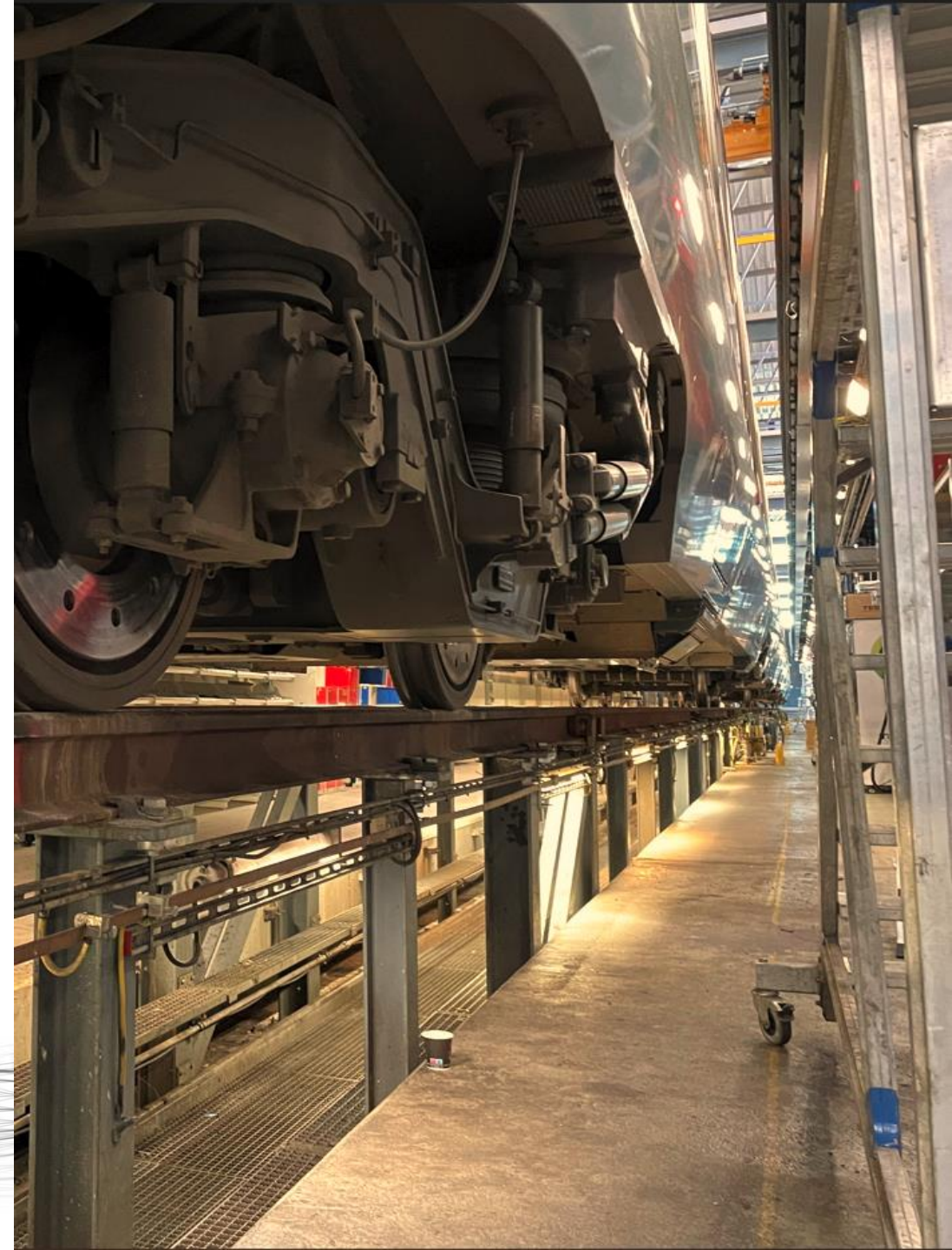
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## Benefit from maximum effectiveness

- ✓ measure up to 40 measuring points at the same time
- ✓ maximum 2 people required
- ✓ vehicle is ready for use again after 2 hours



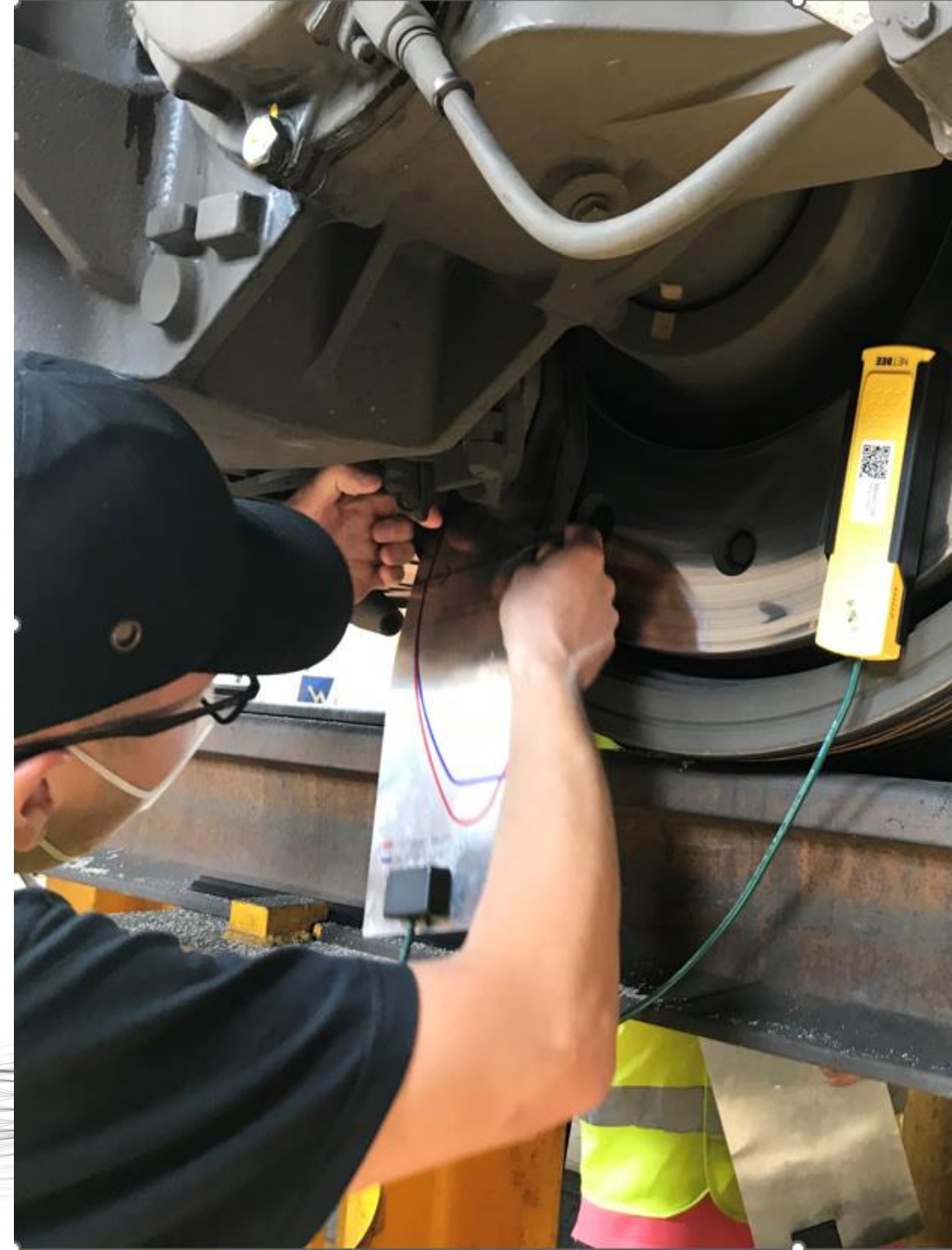
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## Benefit from CBM

- ✓ extend maintenance intervals through monitoring
- ✓ fast data collection and troubleshooting
- ✓ basis for your CBM maintenance strategy



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EQUIPMENT  
DRAWER 1



NETAUTOMATION  
ALL IN ONE

NET-Automation GmbH  
Hofinnovationszentrum 3  
A-8740 Zellweg

T +43 3577/20500-00  
F +43 3577/20500-51  
M office@net-automation.at  
H www.net-automation.at

Gebrauchsanleitung  
Bremskraftmessgerät

Version REV3-4  
Stand: 20.01.2022

**OBB**

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NETBEE Druckmessmodul

NETAUTOMATION

CE

100 kg

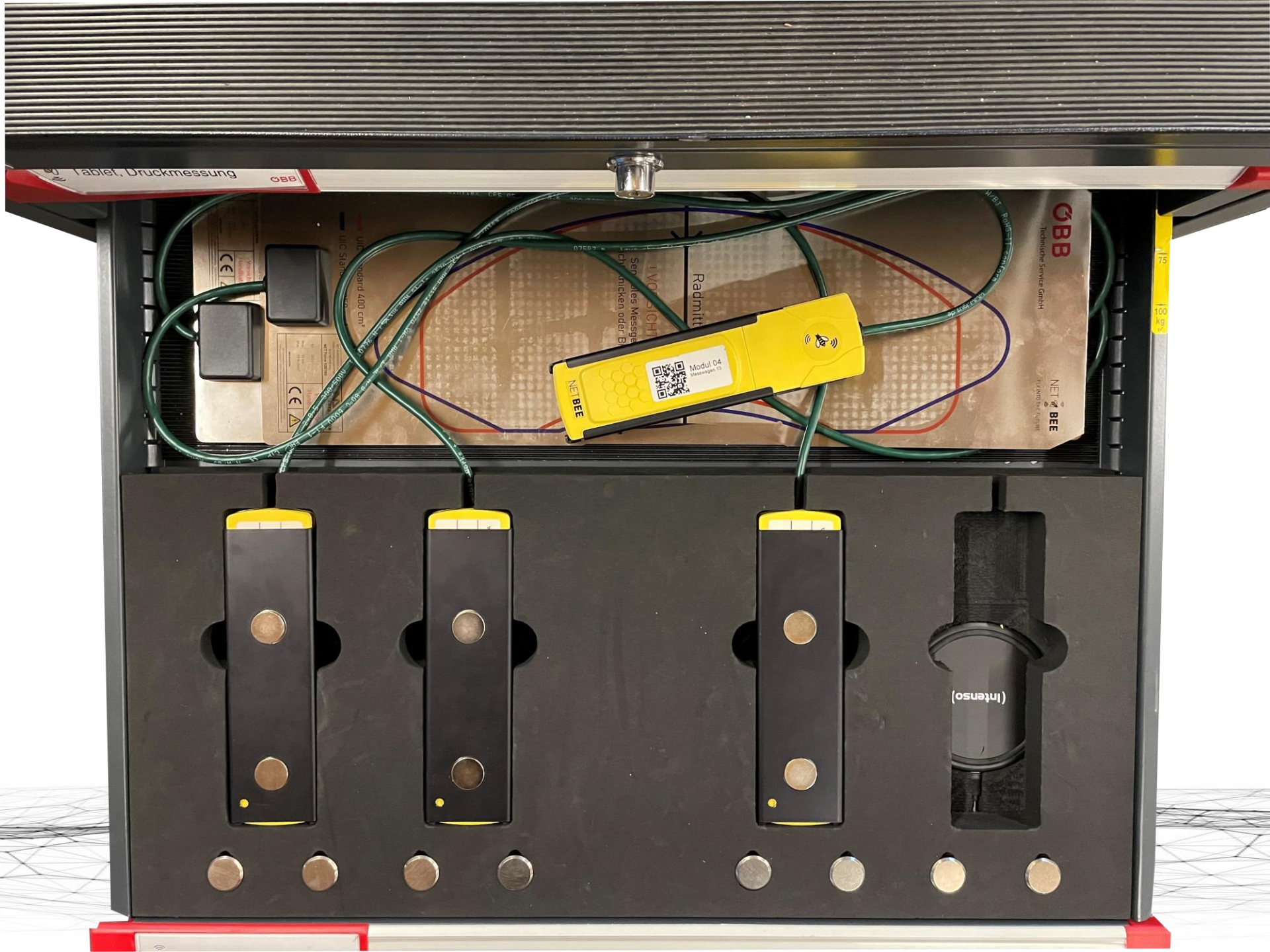


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EQUIPMENT  
DRAWERS 2-7



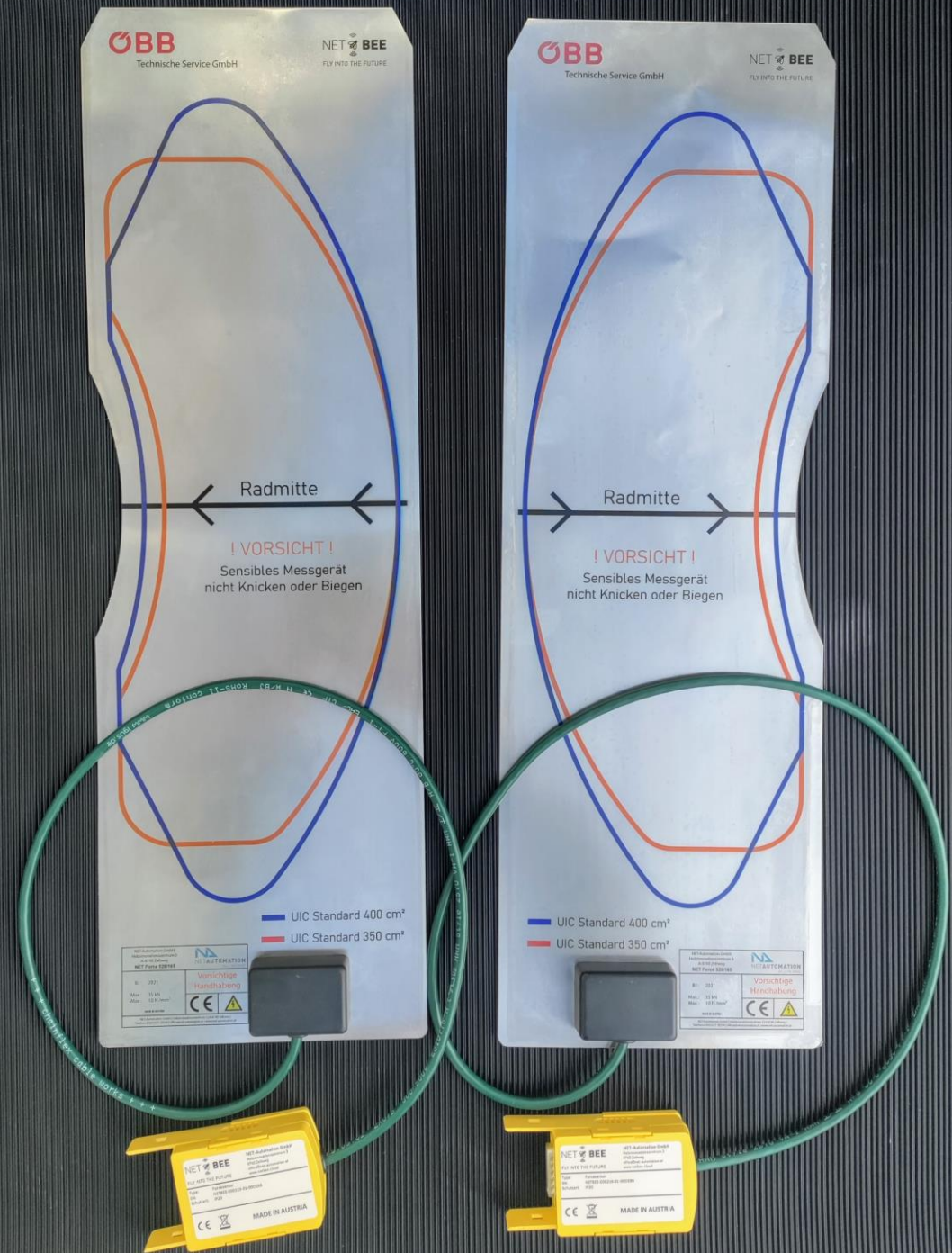
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## ForceBEE



### Resistant stainless steel foils

- ✓ foil thickness of only 0.5mm
- ✓ calibration data stored on electronics
- ✓ suitable for different types of brake shoes





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## Compatible version for block brakes

- ✓ sensor thickness of about 4mm
- ✓ calibration data stored on electronics
- ✓ combinable with disc brakes in the measurement trolley





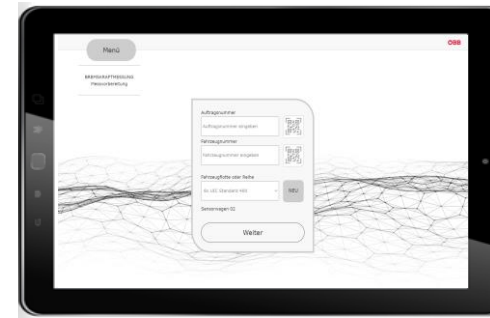
## INSTALL SENSORS



## CONNECT COMPRESSED AIR



## NEW MEASUREMENT

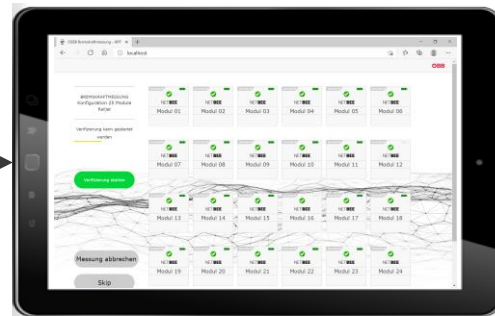


## SCAN POSITIONS



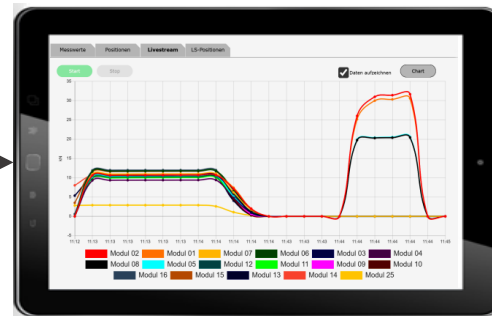
## VERIFICATION

before the measurement



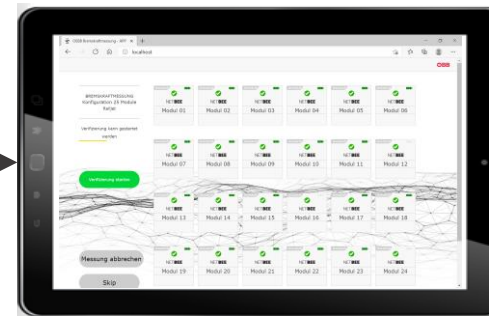
## MEASUREMENT

or live stream

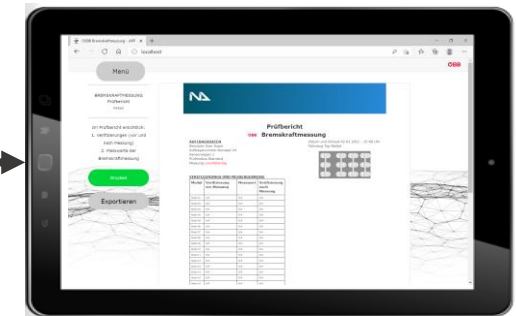


## VERIFICATION

after the measurement



## PROTOCOL



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## Approval and standardization

- ✓ ÖBB ECM2 approval for Desiro MainLine
- ✓ EN 16185-2  
6.4.1 Brake force measurement of the friction brake
- ✓ EN 50215 (derived from the standard for maintenance)  
8.11.2.1 Type testing



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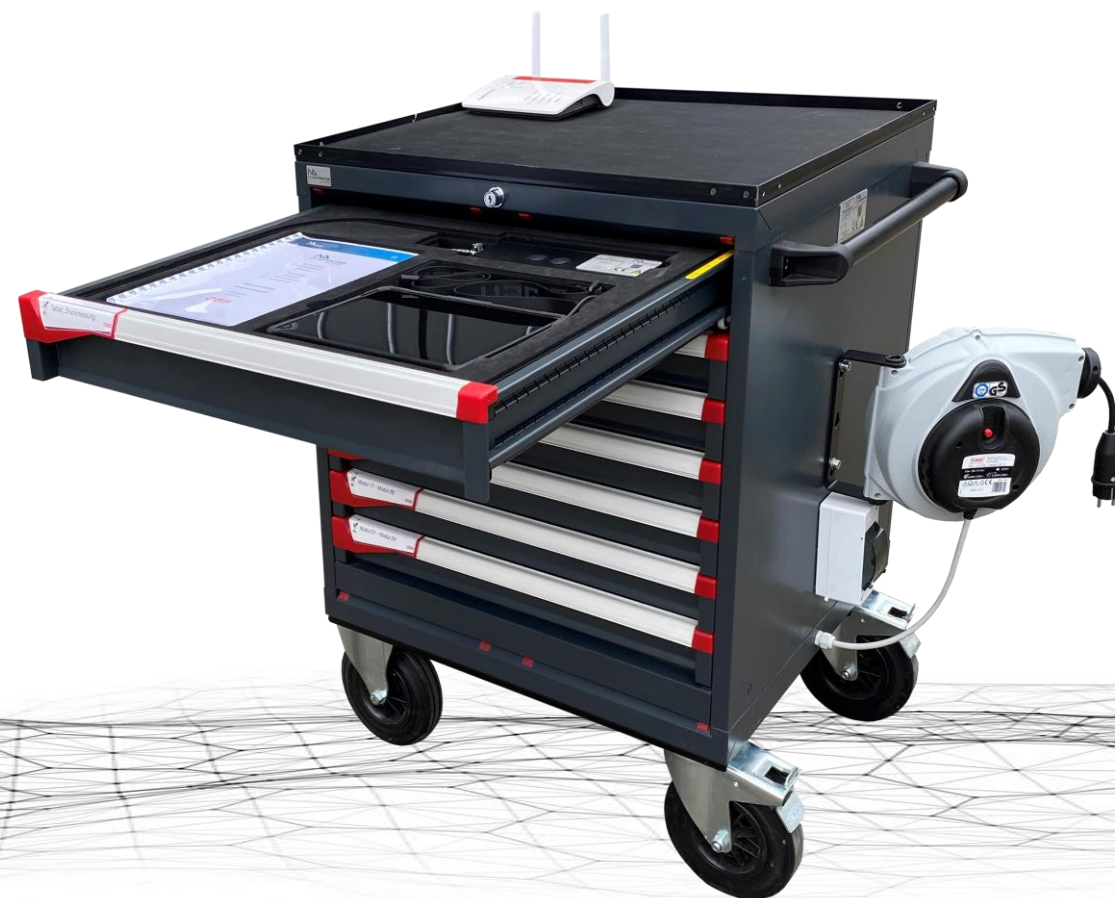
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Selected references



STADLER



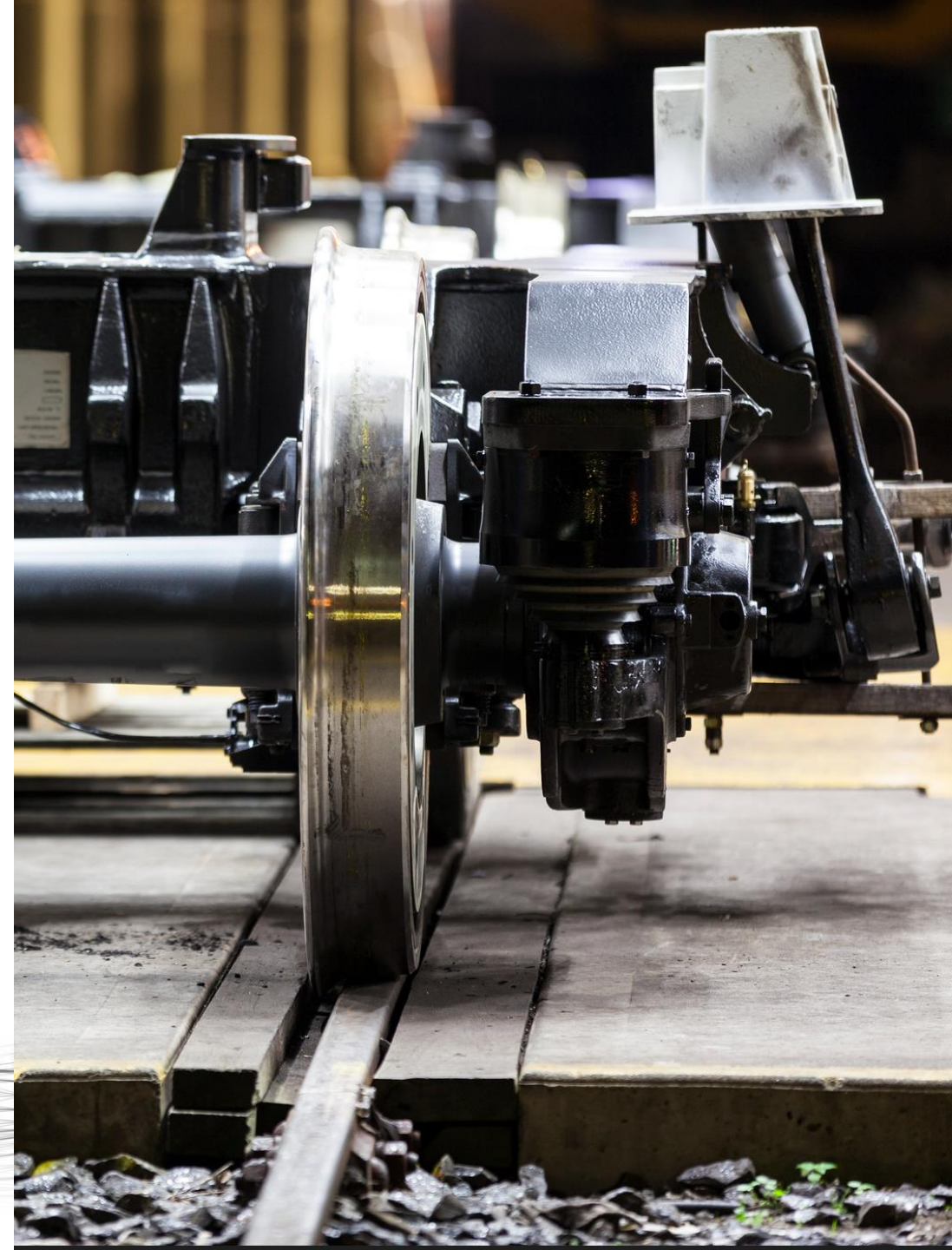
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## Your optimized maintenance

- ✓ extend service intervals
- ✓ reduce workload
- ✓ increase vehicle availability
- ✓ save test drives



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Take advantage of the ForceBEE technology now

- ✓ as rental version
- ✓ as purchase version
- ✓ freely configurable

**Dipl. Ing. (FH) Gerald Amon**

Technical Sales

M: +43 660 1444 724

E: [gerald.amon@net-automation.at](mailto:gerald.amon@net-automation.at)

