



*Sure to be Safe*

Siegerland Bremsen



# Brake Technology and Monitoring for Increasing Safety and Productivity

Patrick Auer, Technical Sales

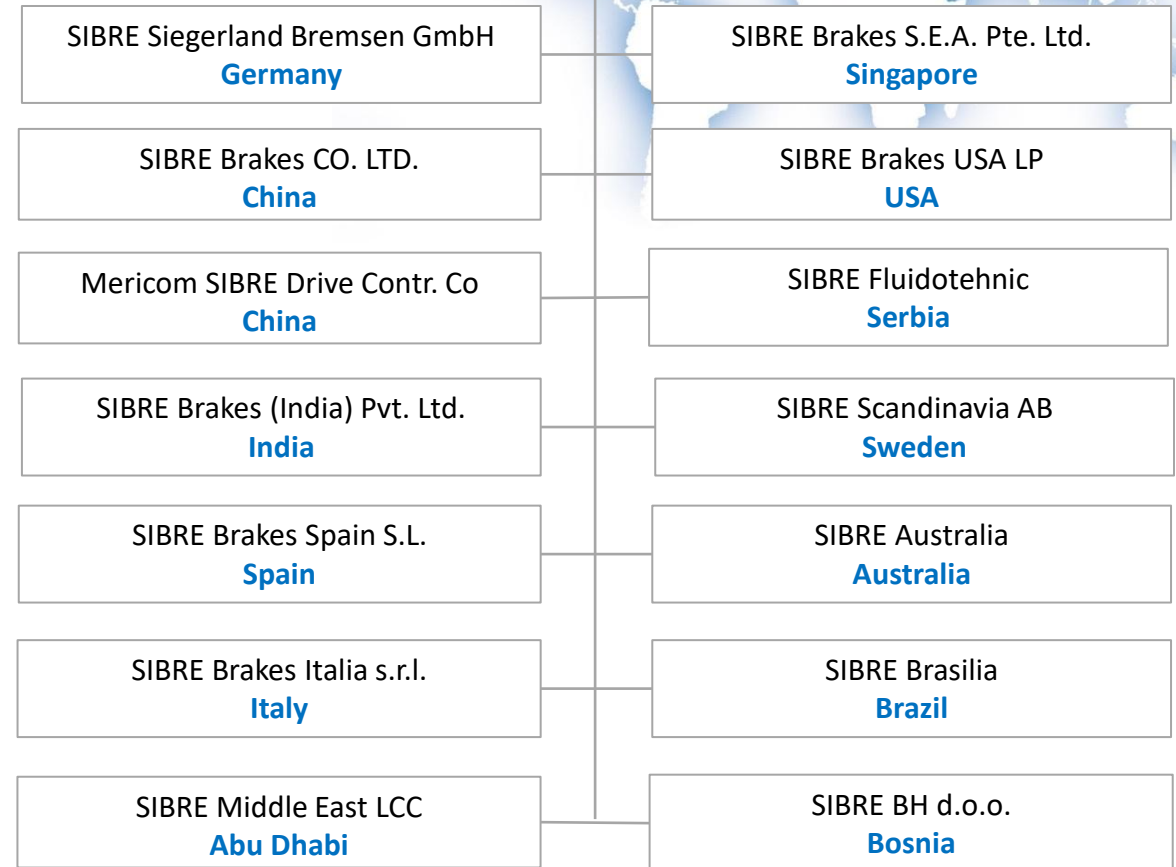
# SIBRE 2026

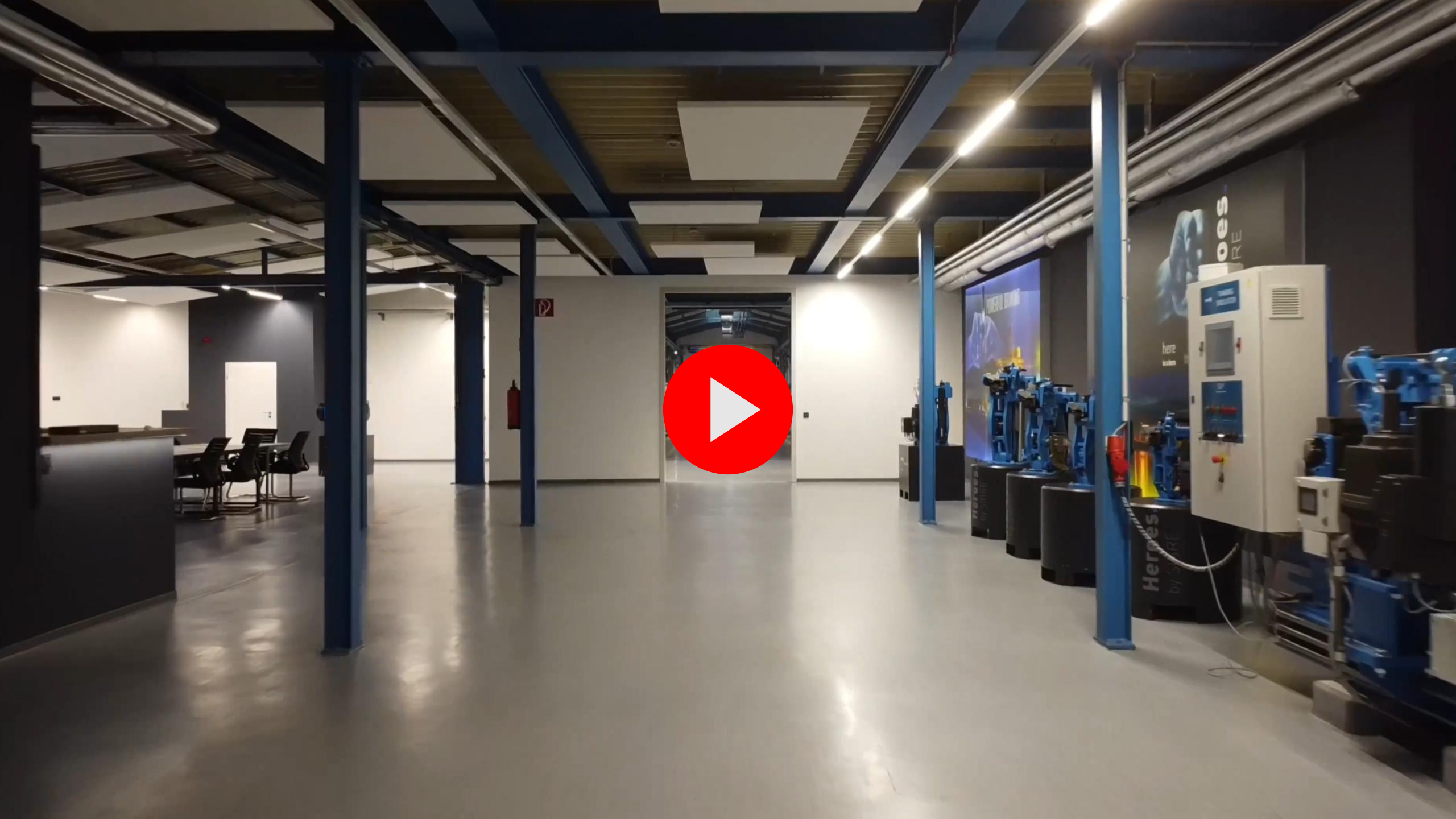
- more than 270 employees worldwide
- approx. 100 employees in Germany
- 14 SIBRE subsidiaries
- more than 50 sales agents



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## SIBRE Holding GmbH & Co KG





# SIBRE invest to stay future-proof and reliable

- 3 new halls in total
- 18 new CNC machines + ABB handling robots
- > 17 Mio € investment since 2019
- Highest energy efficiency





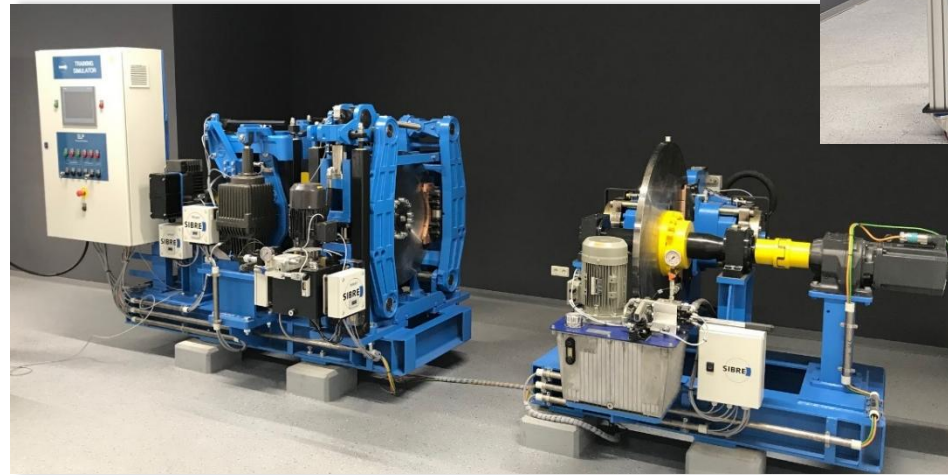
# SIBRE invest to stay future-proof and reliable

- **Existing test rig**
  - Renewal of control, measurement and evaluation
- **Dynamic storm brake test rig**
  - Holding forces over 1000 kN
- **New dynamic test rig**
  - Inertia up to 500 kgm<sup>2</sup>
  - Speed up to 2200 rpm



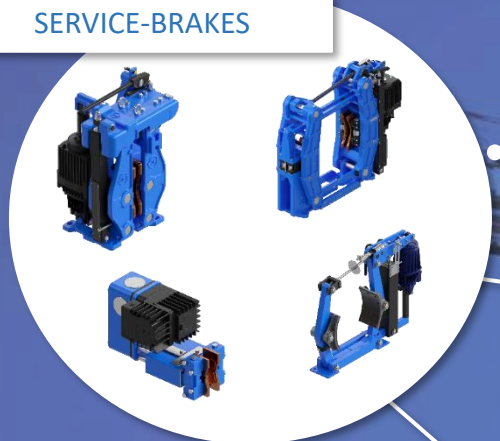
# Quality, development and testing

- modernized testing- and training-center
- modernized R&D department (headquarter)



AS A ONE STOP SUPPLIER, SIBRE  
DELIVERES COMPREHENSIVE  
SOLUTIONS FOR ALL DRIVES IN CRANES.

SERVICE-BRAKES



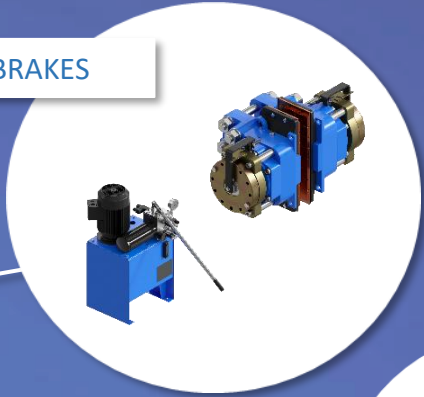
STORM-BRAKES



HYDRAULIC BUFFERS



SAFETY-BRAKES



SNAG LOAD PROTECTION & MONITORING



WHEELS & SHEAVES



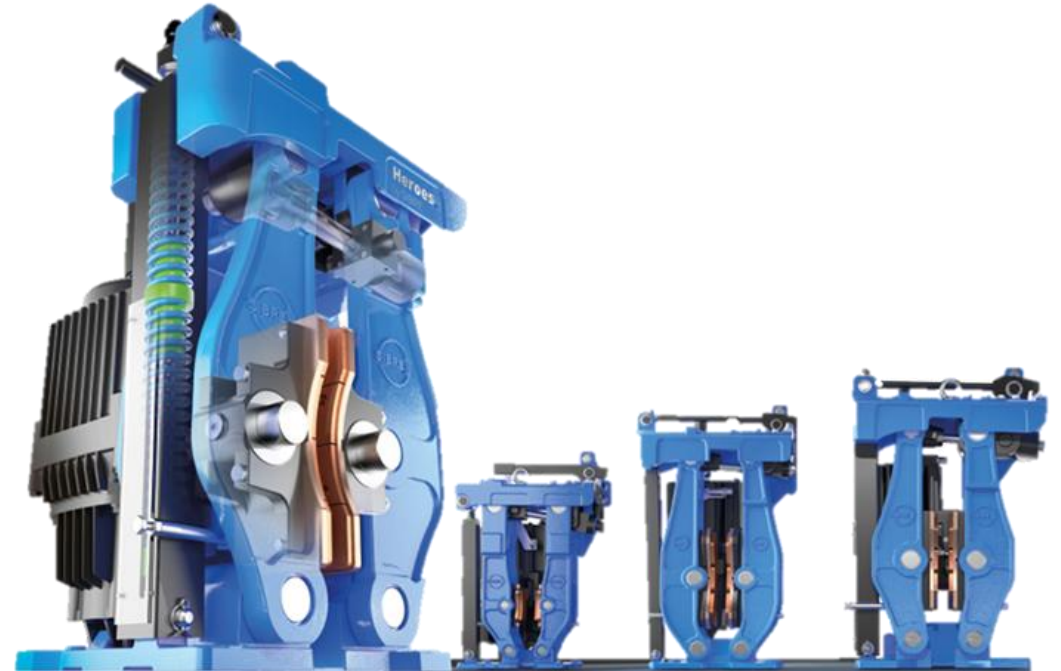
COUPLINGS





# USB5 service brake - key design advantages

- Designed for all applications in a crane
- Identical conditions regarding installation, adjustment and maintenance
- Enhanced corrosion protection
- Parallel opening of brake shoes
- Optimized spring unit
- Upgraded manual release system
- Monitoring of brake status



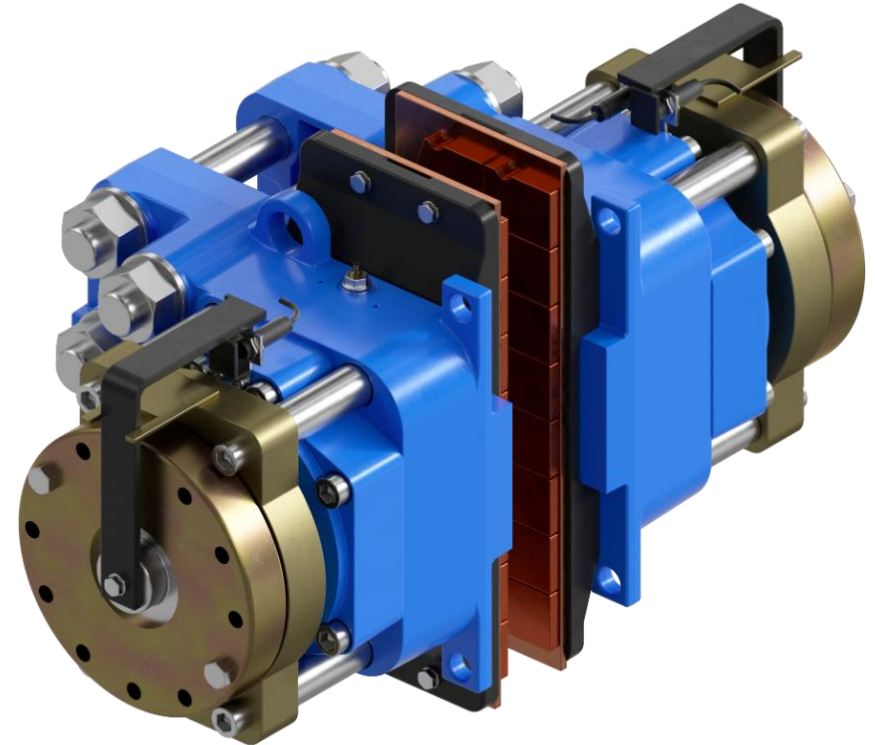


STANDARDIZED FUNCTIONAL PRINCIPLE,  
AVAILABLE IN 5 DIFFERENT SIZES

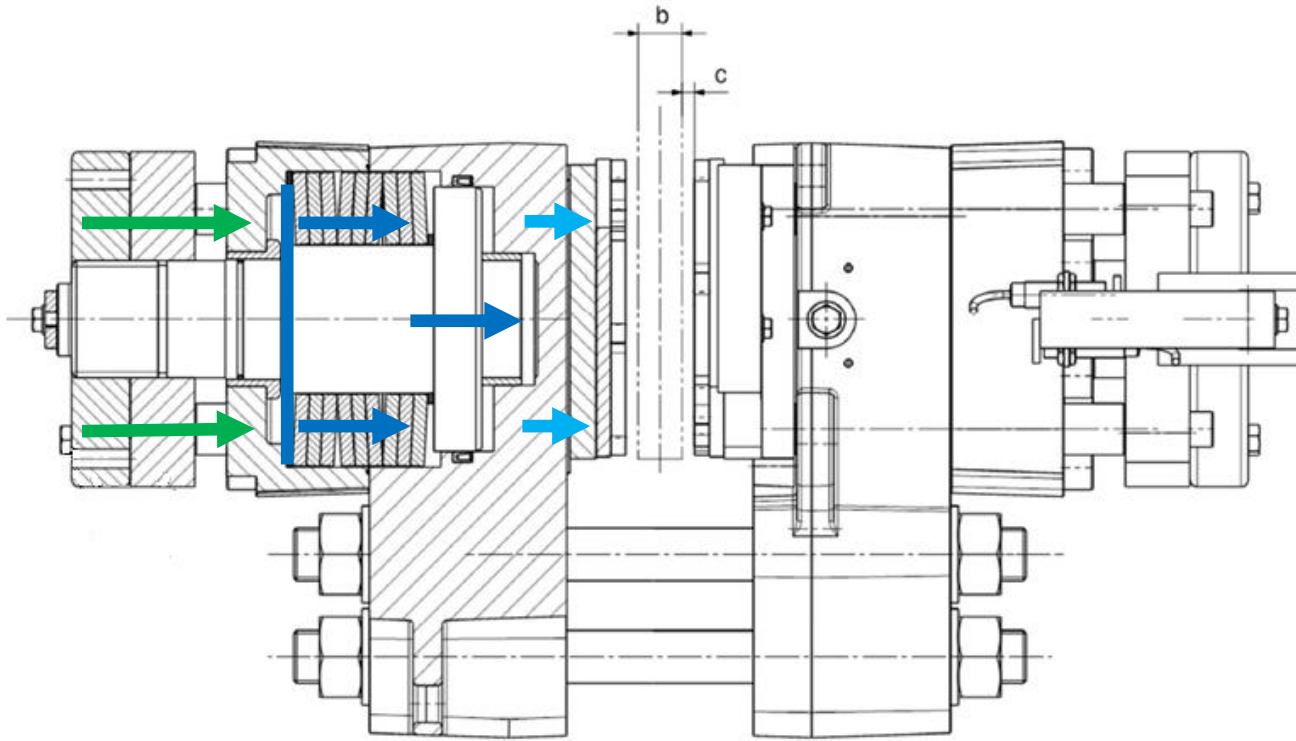


# SHI emergency brake

- Standardized functional principle, available in 7 different sizes
- Clamping force range: 17kN - 555kN
- Less leakage-risk
- Less maintenance requirements
- Favorable force-transmission

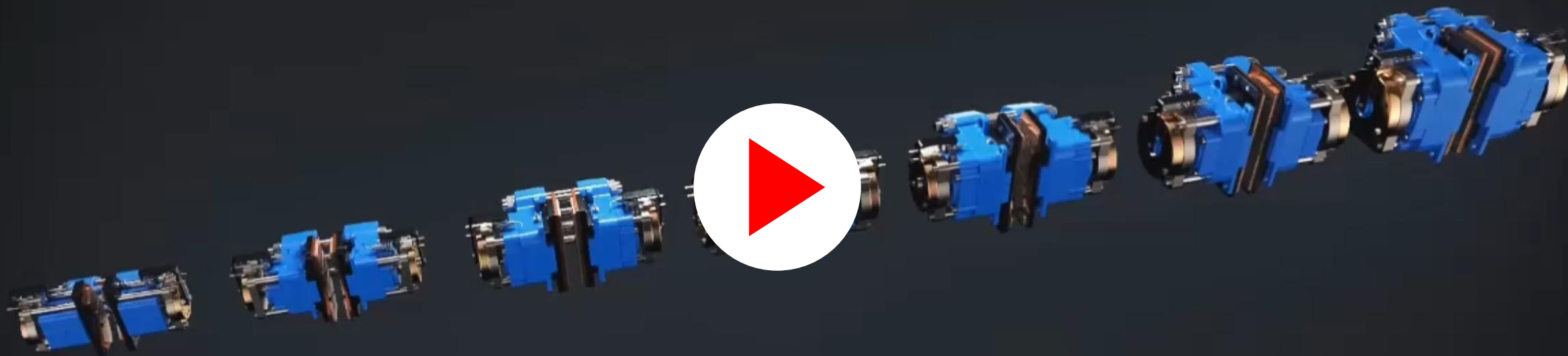


# SHI design benefits



- 1) Extending cup-springs
- 2) Transmission to piston
- 3) Transmission to pressure pins
- 4) Transmission to linings/disc





## **STANDARDIZED FUNCTIONAL PRINCIPLE**

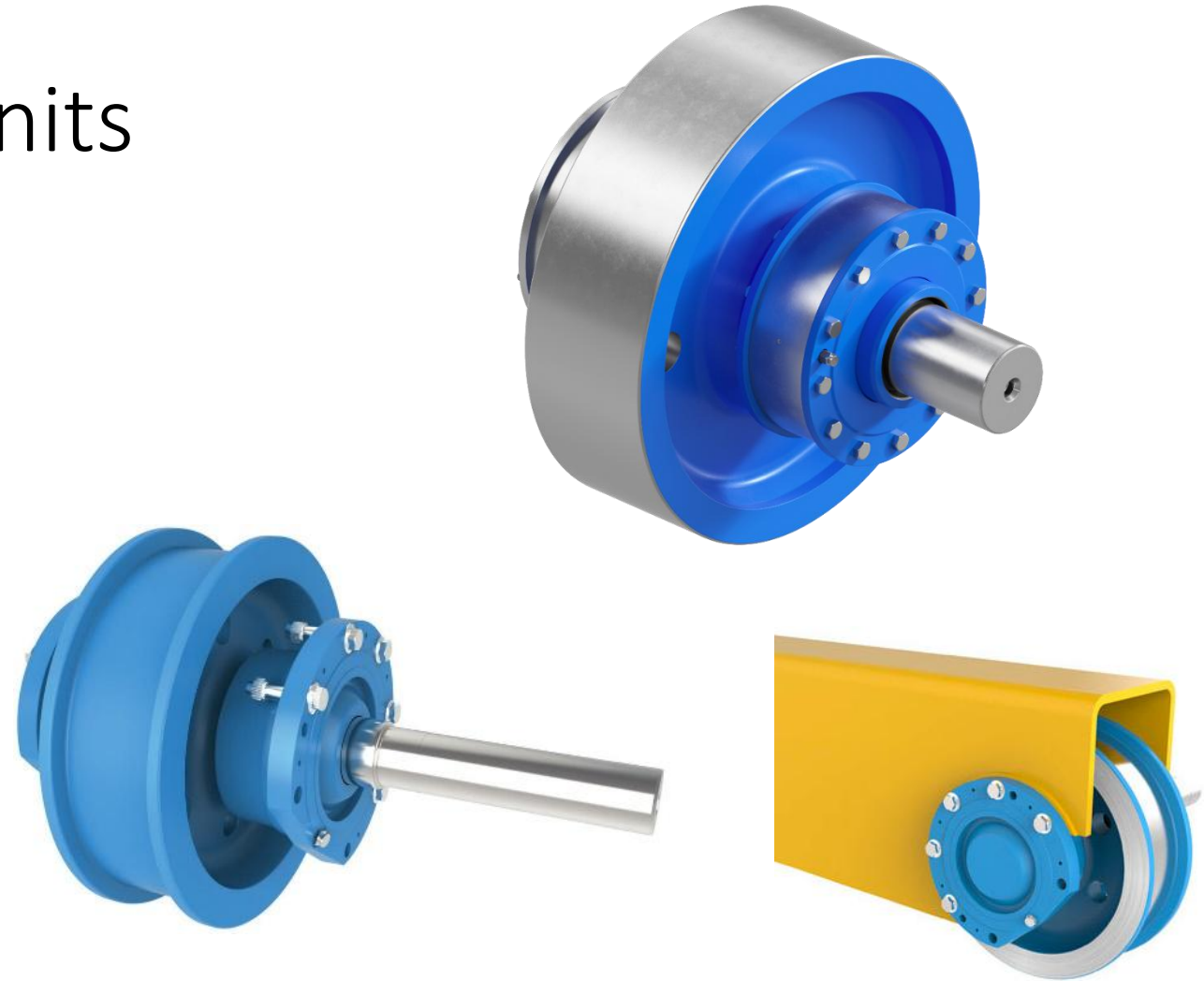
AVAILABLE IN SEVEN DIFFERENT SIZES  
IDENTICAL CONDITIONS IN REGARDS TO INSTALLATION,  
ADJUSTMENT AND MAINTENANCE

# SIBRE crane wheels & units

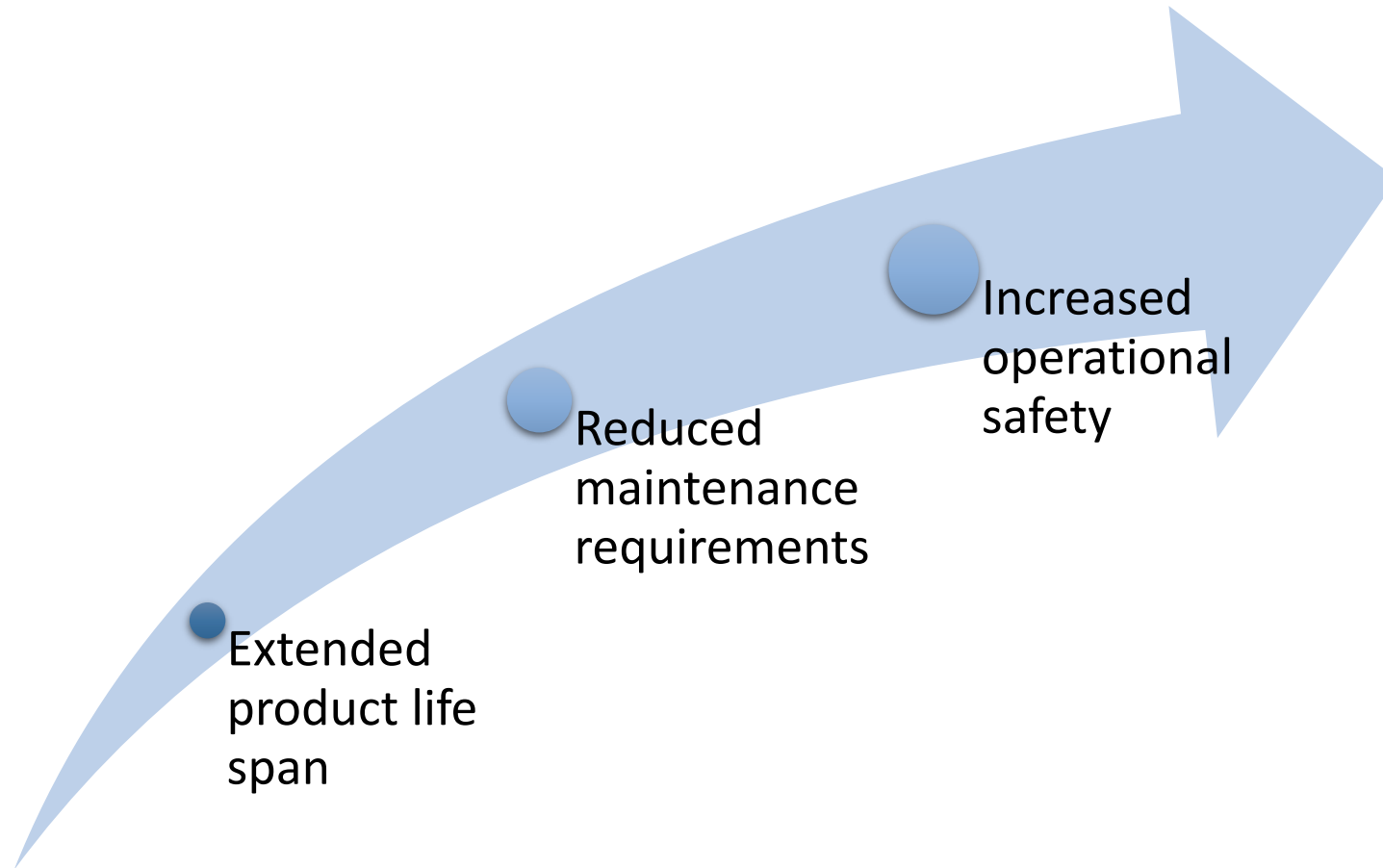
- single crane wheels
- complete driven and non-driven wheel sets
- size 315 - 1000 mm

## according to:

- standards (DIN 15090)
- customer specifications
- SIBRE own design drafts  
(approved by customers)



# Maximize your efficiency by







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# Thank you for your attention!

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