



Brake Technology and Monitoring for Increasing Safety and Productivity

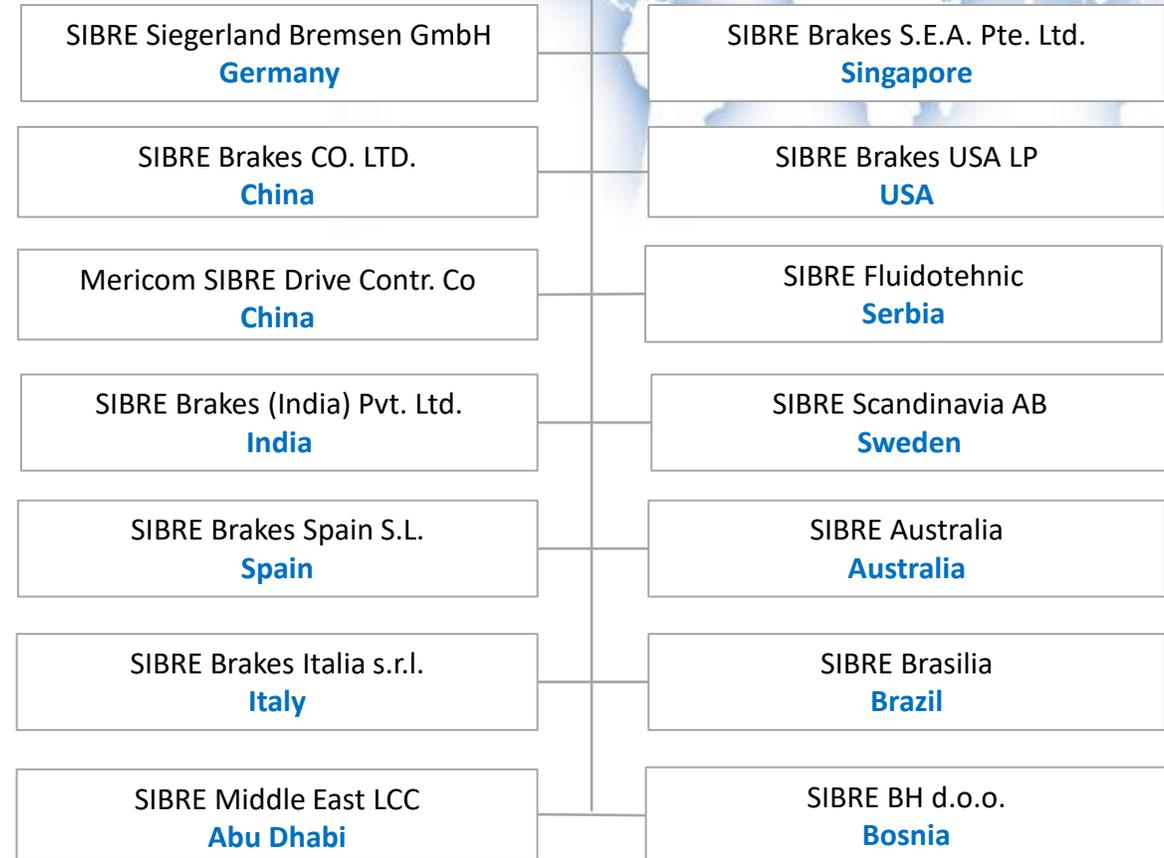
Lars Benner, Technical Sales

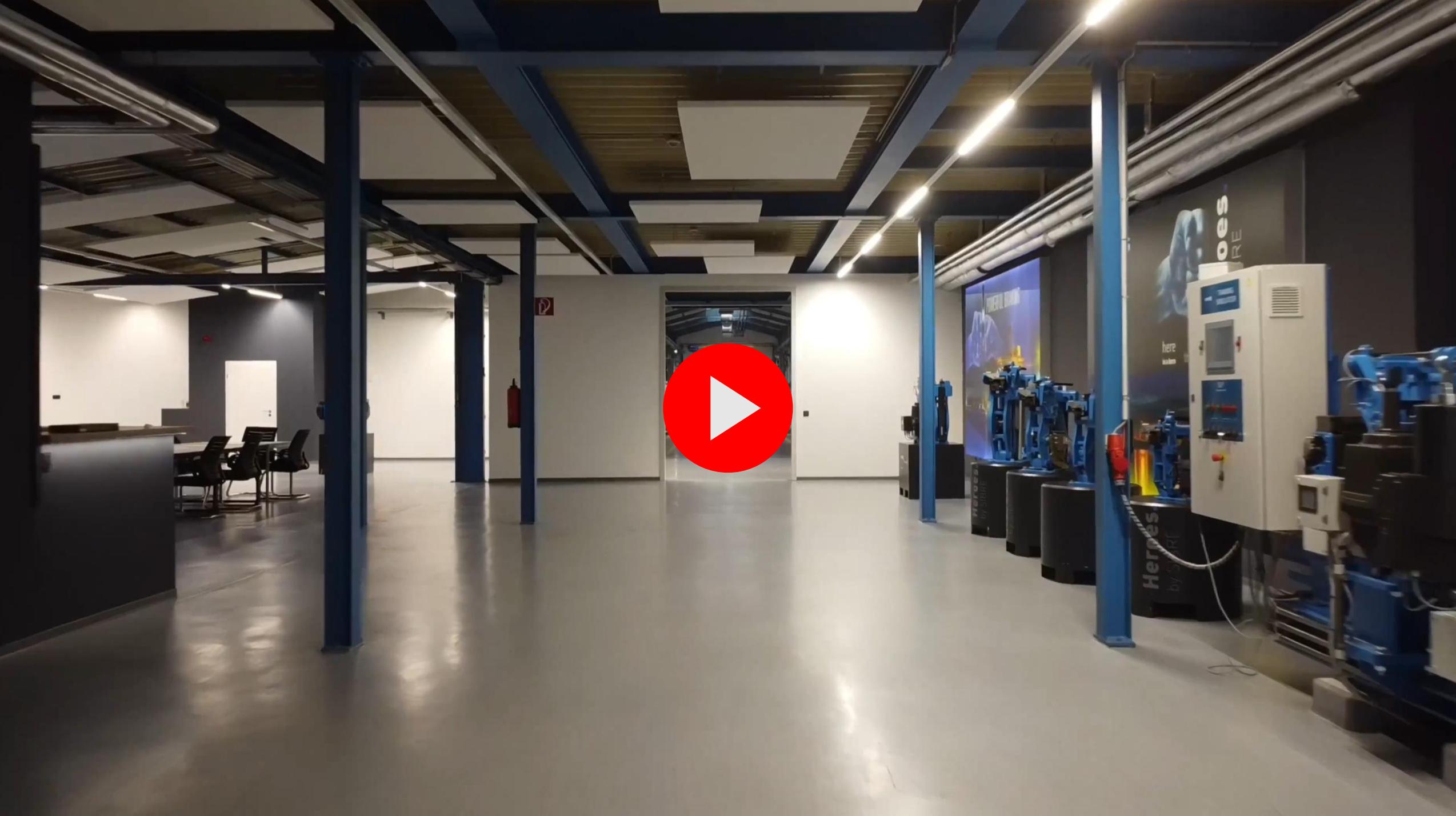
SIBRE 2025

- Family owned company
- More than 270 employees worldwide
- Approx. 100 employees in Germany
- 14 SIBRE subsidiaries
- More than 50 sales agents



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 kgm²
- Speed up to 2200 rpm



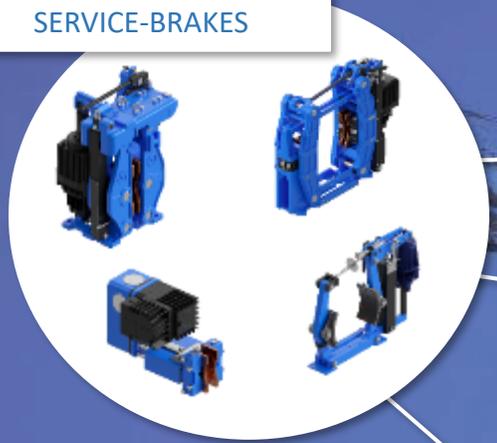
Quality, development and testing

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

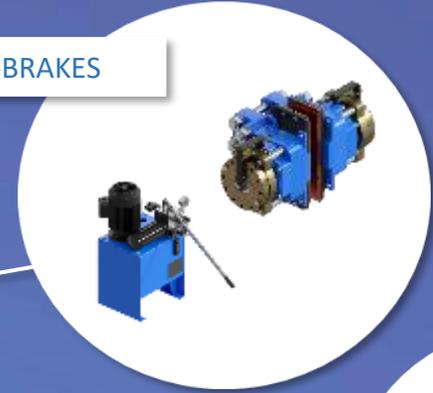


AS A ONE STOP SUPPLIER, SIBRE
DELIVERES COMPREHENSIVE
SOLUTIONS FOR ALL DRIVES IN CRANES.

SERVICE-BRAKES



SAFETY-BRAKES



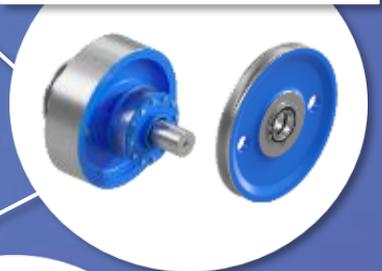
SNAG LOAD PROTECTION & MONITORING



STORM-BRAKES



WHEELS & SHEAVES



HYDRAULIC BUFFERS

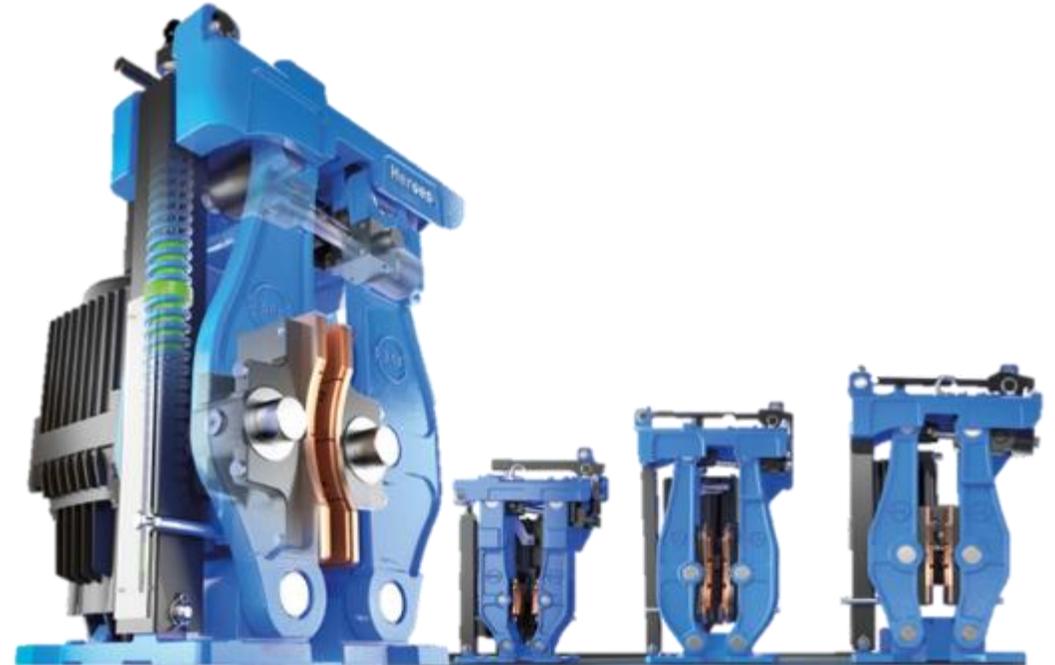


COUPLINGS



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

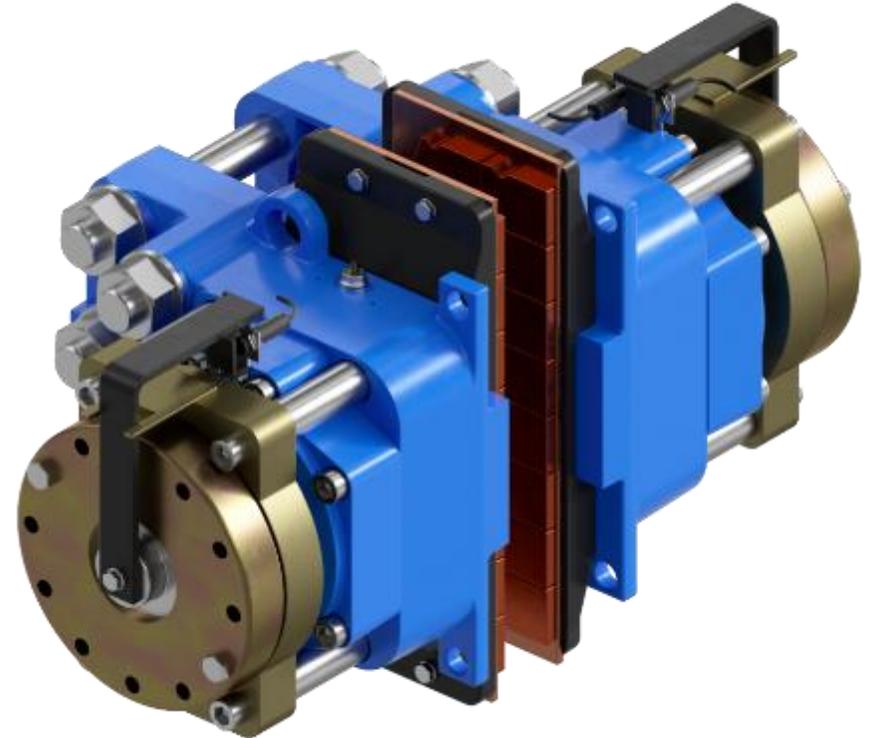


STANDARDIZED FUNCTIONAL PRINCIPLE,
AVAILABLE IN 5 DIFFERENT SIZES

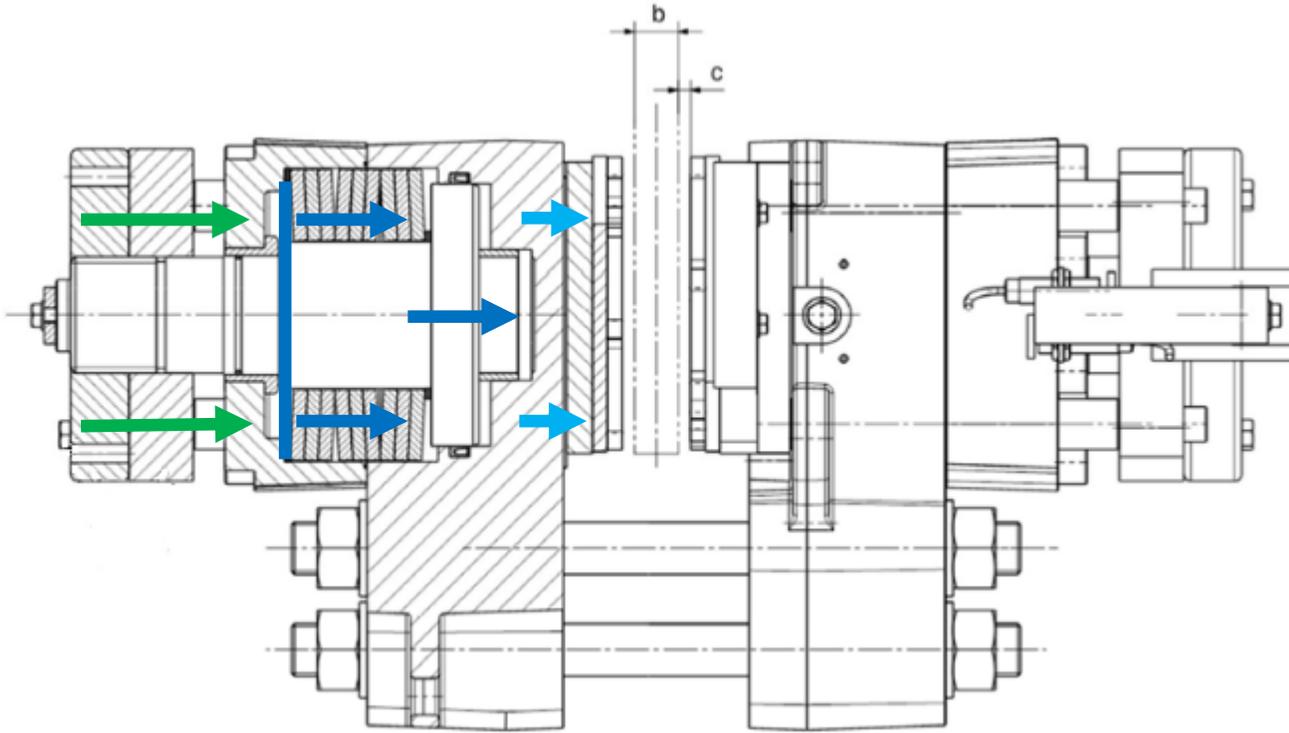


SHI emergency brake

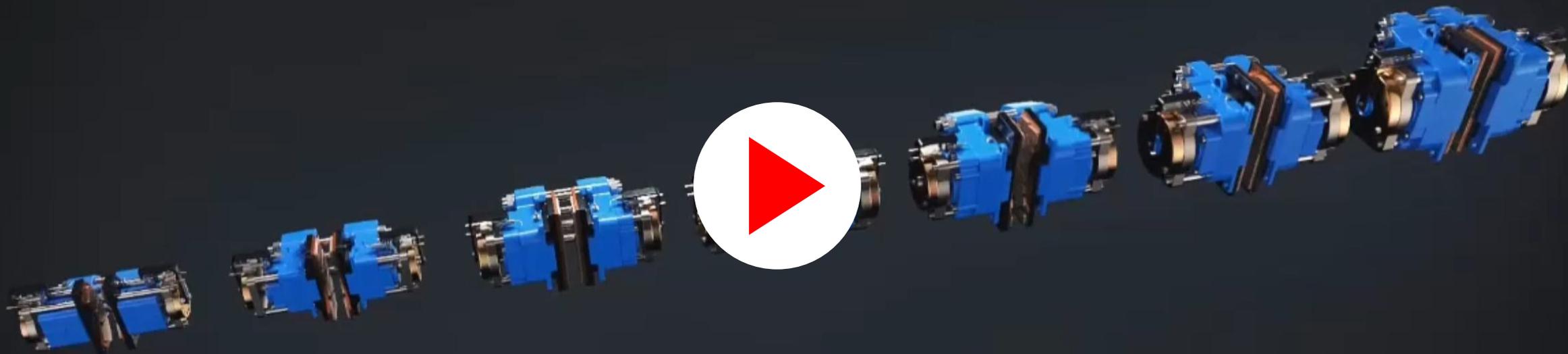
- Standardized functional principle, available in 7 different sizes
- Clamping force range: 17kN - 555kN
- Less leakage-risk
- Less maintenance requirements
- Favorable force-transmission



SHI design benefits



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



STANDARDIZED FUNCTIONAL PRINCIPLE

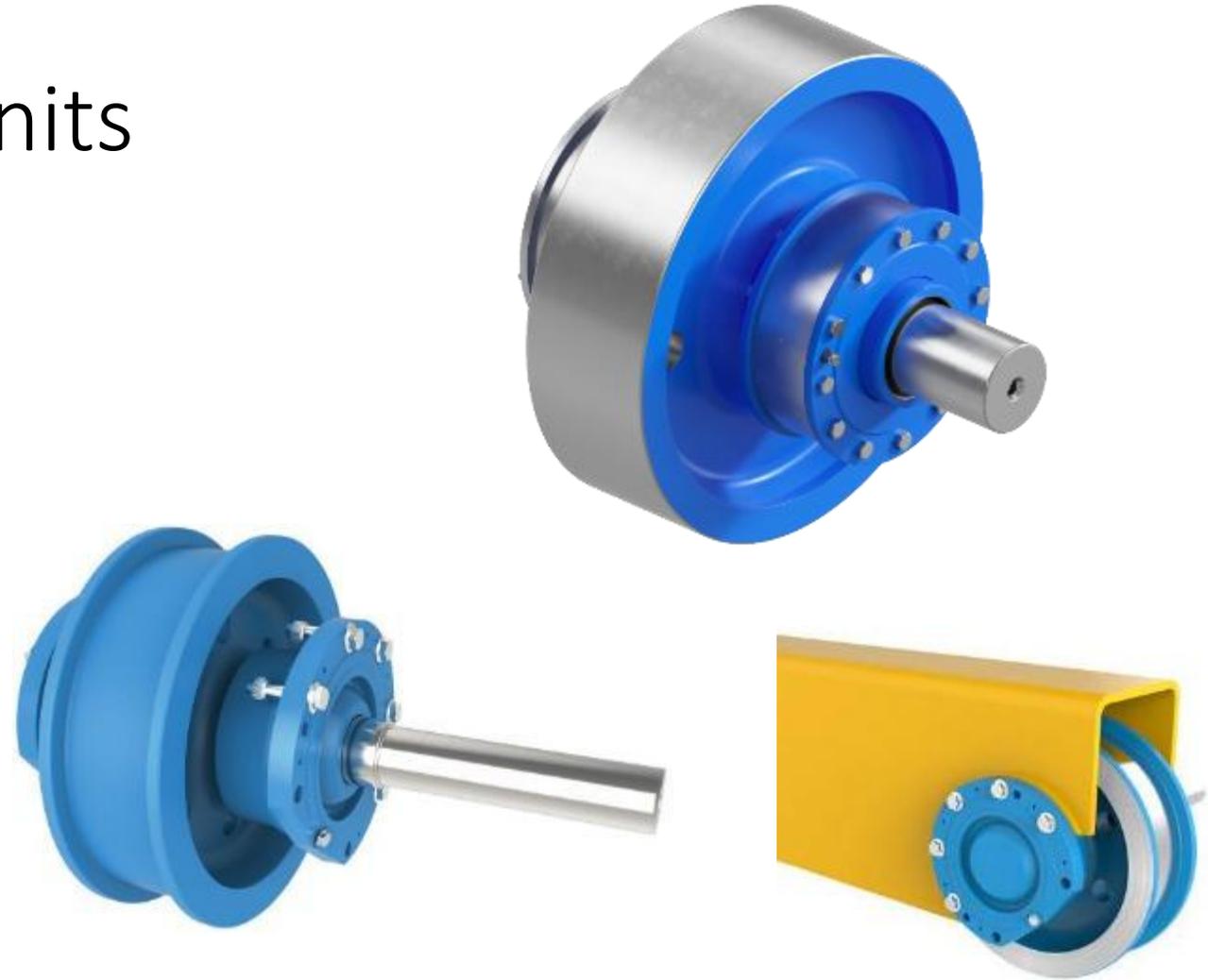
AVAILABLE IN SEVEN DIFFERENT SIZES
IDENTICAL CONDITIONS IN REGARDS TO INSTALLATION,
ADJUSTMENT AND MAINTENANCE

SIBRE crane wheels & units

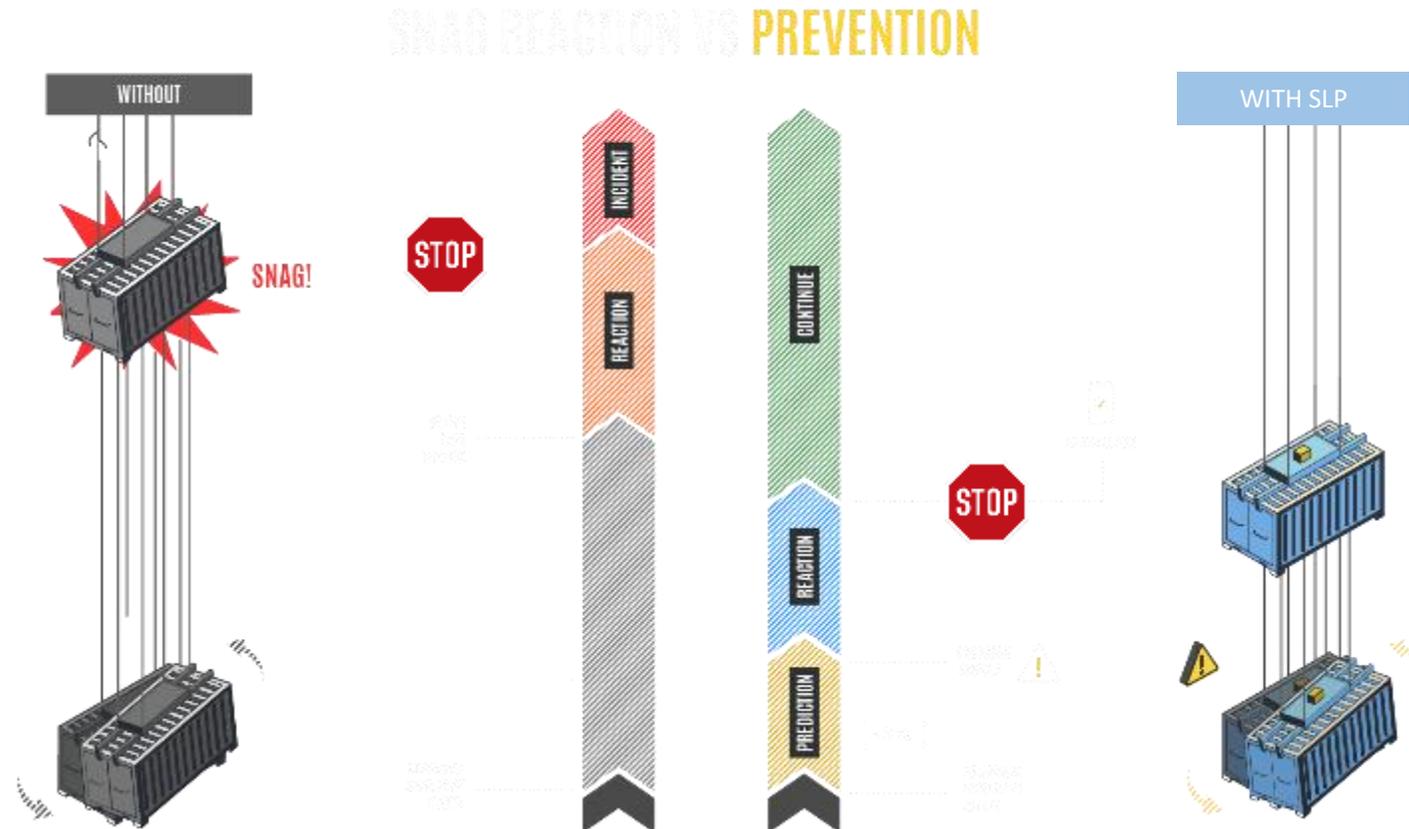
- Single crane wheels
- Complete driven and non-driven wheel sets
- Size 315 - 1000 mm

according to:

- Standards (DIN 15090)
- Customer specifications
- SIBRE own design drafts (approved by customers)



SLP snag load protection



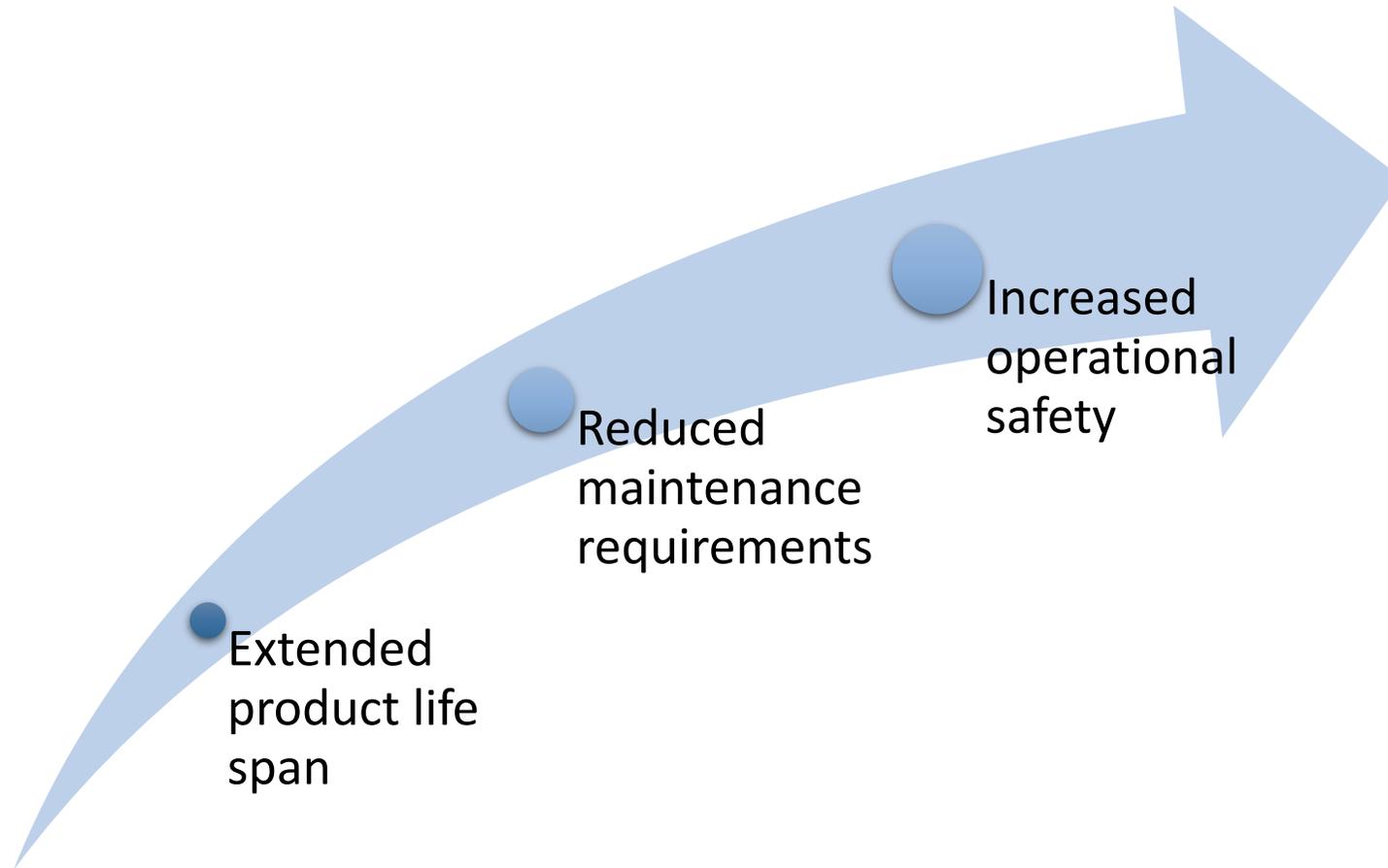


SPREADER

HEADBLOCK SEA SIDE

SEA SIDE

Maximize your efficiency by





Sure to be Safe

Siegerland Bremsen



Thank you for your attention!

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