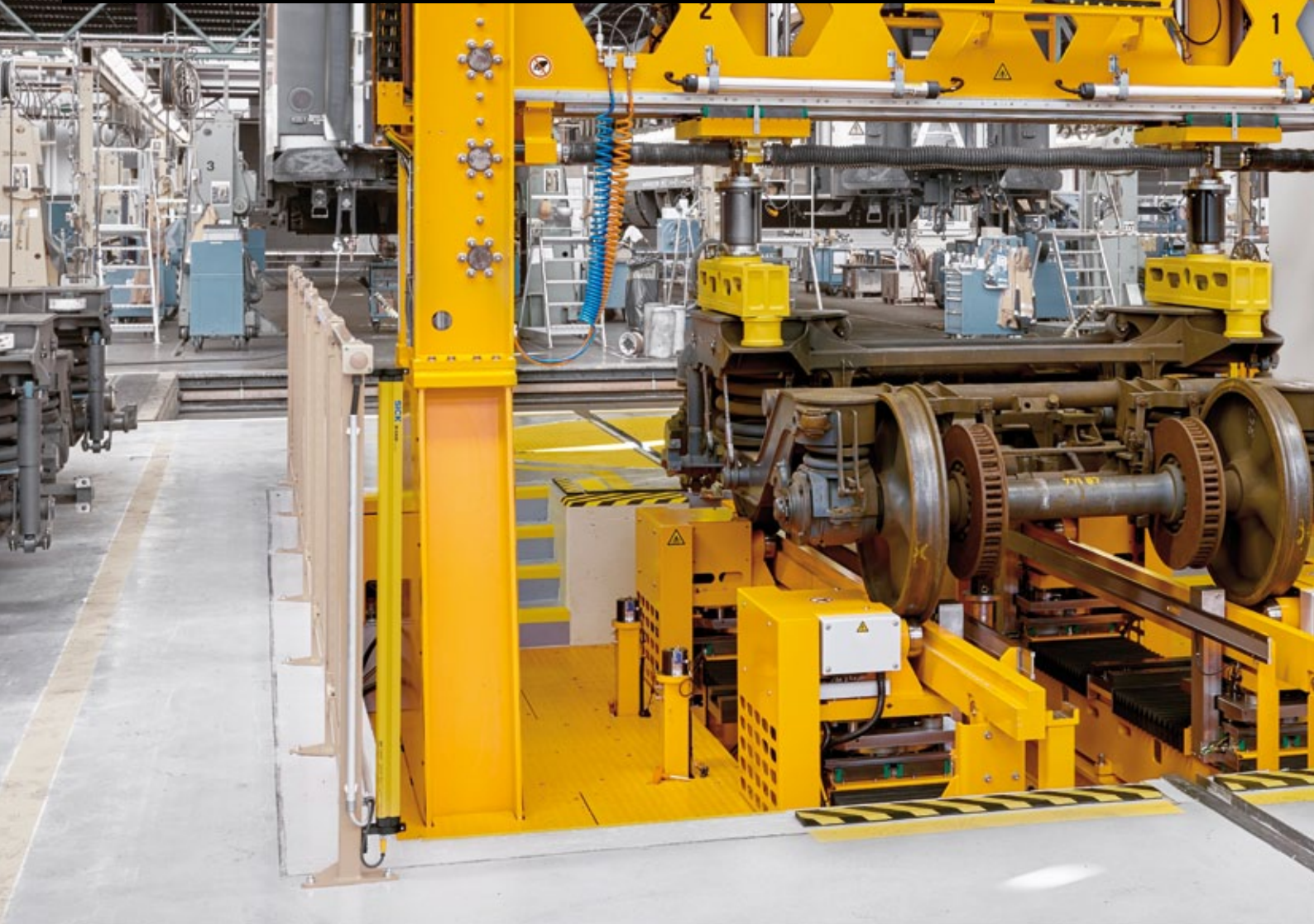


« NBT *Evolution*®

The next generation of bogie testing

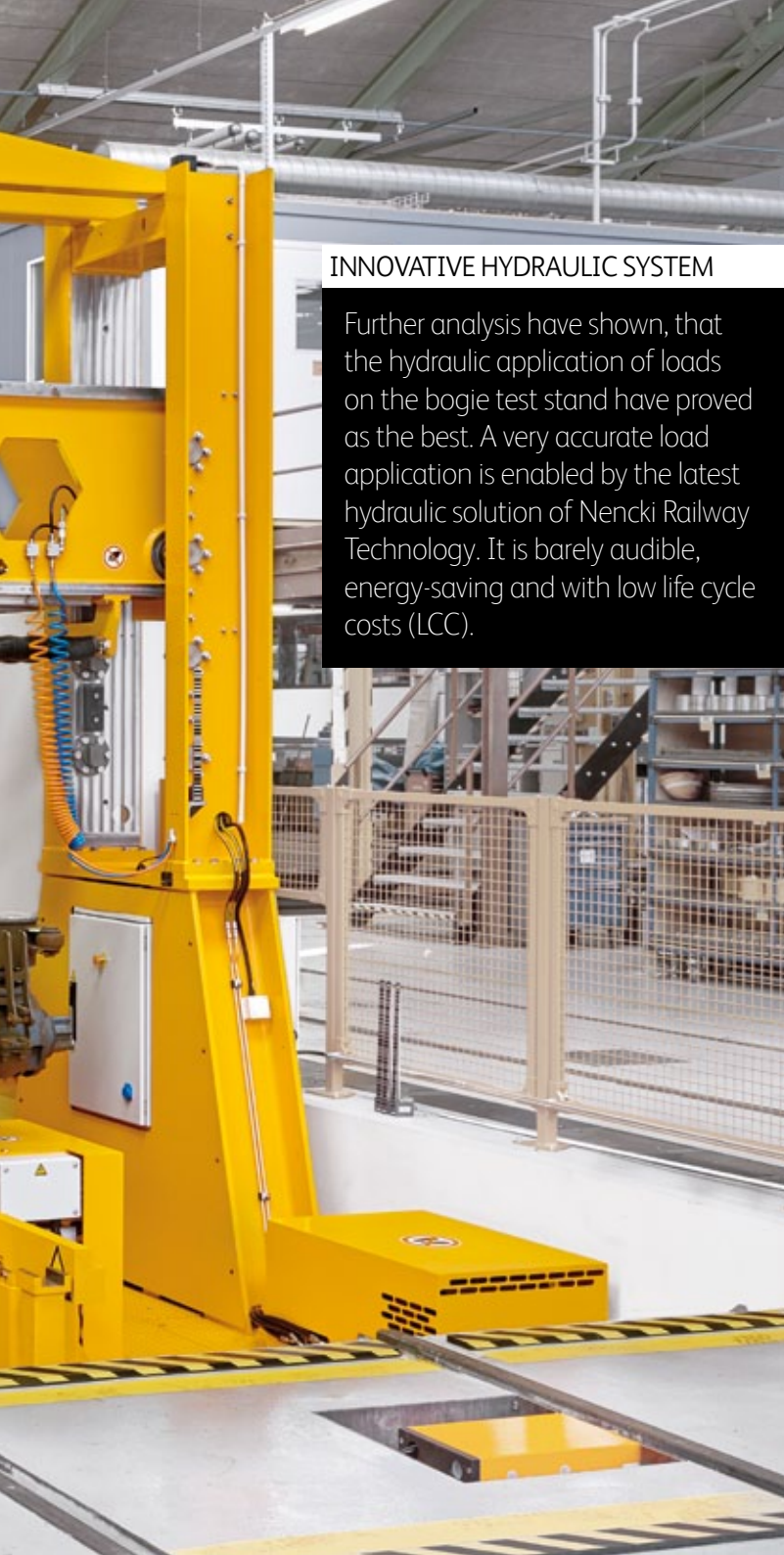
The Nencki bogie test stand *Evolution*® is based on the long-standing experience, which we developed together with our customers for 100 machines in accordance to DIN standards 250437.



EASY ACCESS BELOW AND AROUND THE BOGIE

INTEGRATION OF A MEASURING ARM FOR A FAST AND USER-FRIENDLY MEASURING OF MANY DIFFERENT LENGTHS ACCORDING TO DIN 250437





INNOVATIVE HYDRAULIC SYSTEM

Further analysis have shown, that the hydraulic application of loads on the bogie test stand have proved as the best. A very accurate load application is enabled by the latest hydraulic solution of Nencki Railway Technology. It is barely audible, energy-saving and with low life cycle costs (LCC).

HIGH STABILITY

- « Reinforced frame and components, optimized by the FEM method.
- « Optimized guide of the load application cylinders, without additional yoke.
- « Very minor deflection, under high load application.

ACCURATE AND RELIABLE LENGTH MEASURING, HIGH REPEATABILITY

- « Compensation of the thermal expansion during temperature fluctuations on the location
- « Compensation of the deflection during alternating loads
- « Fully automatic and accurate centring of the bogie in X and Y direction, without changing the wheel gauge.

BASED ON DIN 250437 ARE:

- « Dimensions with basis of the coordinates X,Y and Z
- « Software and nomination
- « Accurate measuring out and adjustment of the system during commissioning
- « Calibration by a certified company
- « Process proof
- « Proof of the measuring accuracy

MODULAR SYSTEM WITH VARIOUS FUNCTIONS AND OPTIONS

- « Fully automatic height adjustment
- « Fully automatic wheel gauge adjustment, each side individual adjustable.
- « Many new test functions such as brake force measuring, axle resistance etc.
- « Inclusion of divers test instruments for height and other length measurements
- « Improved operator guidance for the manual measuring with measuring arm or other measuring equipment