

MONITORING

SYSTEMS



MOBILE MONITORING SYSTEMS
FOR TRAINS AND TRACKS UNDER REAL OPERATING CONDITIONS

LASCA



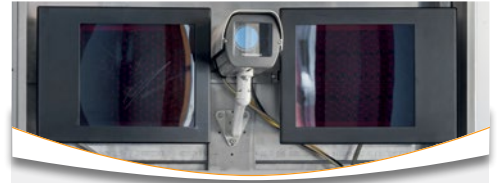
Laser based, certified, mobile monitoring system for train, vehicle and infrastructure under real operating conditions and supports predictive maintenance. LASCA is certified up to 400 km/h and monitors more than 60 key figures fully automatically.

MONI



Wheel flats, tread defect and out-of-roundnesses: no defect will go unnoticed. Suitable for all kinds of track, rail and speed, MONI the smart rail pad also detects static weights, dynamic forces, noise and vibration.

DECO



IT, communications and surveillance solutions such as:

- **MOVIE**
Video Monitoring of the 12 digit UIC car number
- **SEMS**
Self-monitoring of fully automated measuring-systems
- **REM**
Remote Maintenance Modules
- **DATA**
Customer-specific data transfer
- **SOFT**
Software customization
- **MODA**
Modular data acquisition system

THE RAILROAD STETHOSCOPE

We monitor and analyze everything happening between rail and track fully automatically under real operating conditions. A combination of our mobile monitoring systems allow that no wheel defect will go unnoticed. They provide data for infrastructure and vehicle monitoring, for predictive maintenance, for noise and vibration emission monitoring as well as for quality depending track prices. All with an allocation to particular vehicles and wheels Our IT solutions allow customer-specific communication and surveillance tools.



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	LASCA	MONI	MOVIE
rail-sleeper-force diagnostic		+	
wheel-rail-force diagnostic	+		
video monitoring			+
wheel-rail-force diagnostic + noise & vibration emission control	+	+	
wheel-rail-force diagnostic + noise & vibration emission control + car recognition	+	+	+



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