

MOBA PAVE-IR™ Scan

# THE MOST MODERN TECHNOLOGIES FOR QUALITY ROAD CONSTRUCTION

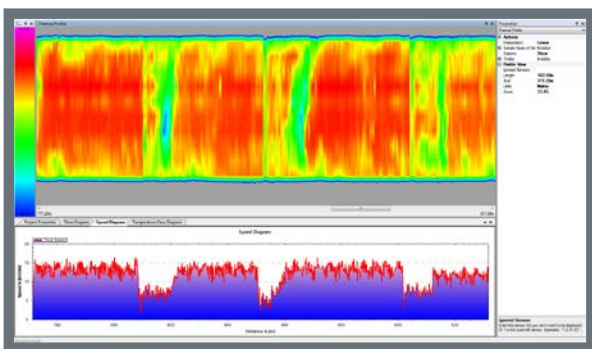


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MOBILE AUTOMATION

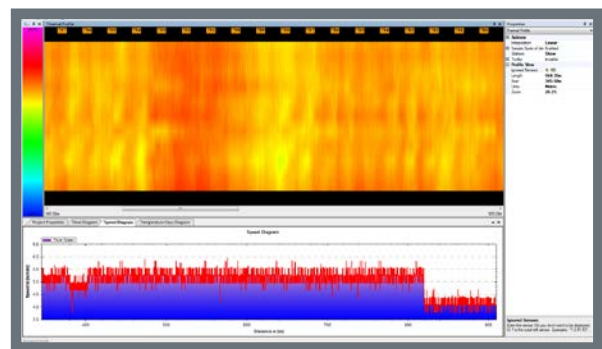
# MOBA PAVE-IR™ Scan – QUALITY ASSURANCE THROUGH TEMPERATURE MEASUREMENT

Temperature differences in asphalt lead to a thermal decomposition of the material and can be the main cause of the premature wear and tear of the road pavement. MOBA PAVE-IR™ Scan provides companies and public authorities with the possibility to ascertain these temperature differences and the associated separation (segregation of the material) during the ongoing construction process. The system generates complete temperature profiles and individual, targeted temperature measurements throughout the entire construction process. The current temperatures are visualised and also recorded with date on the panel. The further processing of saved data is easy thanks to a specially-developed software.

With MOBA PAVE-IR™ Scan, companies can prove that, while paving with asphalt, no significant temperature differences occurred and that the material temperatures complied with the specifications throughout the entire procedure at the construction site. This serves as evidence of correct work for agencies and authorities. These methods also serve as guidelines on the granting of performance bonuses and are supplementary to regulations pertaining to road construction.

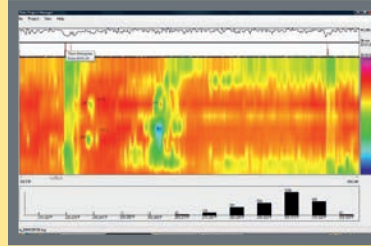
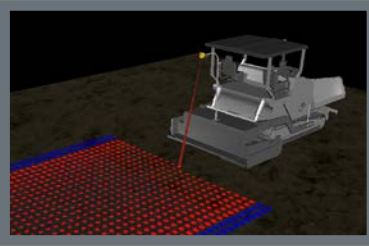


» A change of trucks is often a reason for temperature differences in mixed materials and can quickly be detected as a unique cold spot.



» After having optimised process flows, road construction companies are now able to attain uniformly high-quality road surfaces with a consistent temperature.

# PAVE-IR™ Scan



- » A temperature profile provides high-resolution, complete information on the constructed asphalt pavement
- » Simple analysis of the data
- » The recorded temperatures can be correlated to a road section based on the position data
- » Individual temperature readings and additional information can be viewed and analysed



Temperature Scanner



MOBA Operand



GNSS Antenna



Weather Station



Interface Controller



Single Temperature Sensor



## MOBA PAVE-IR™ Scan advantages:

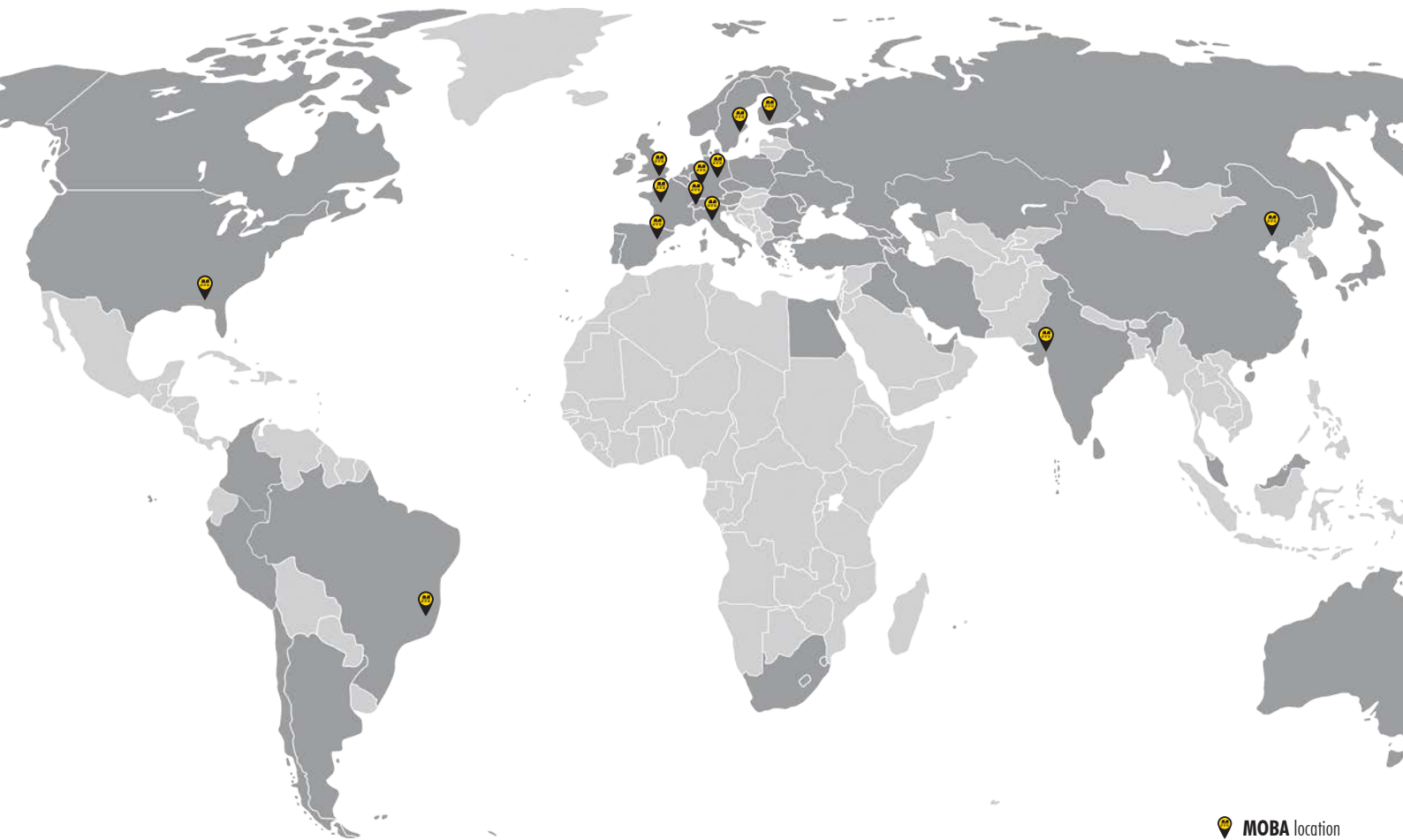
- » High resolution temperature of full mat over the whole project
- » Real-Time visualisation at the machine by the MOBA Operand
- » Post-processing and data analysis with office software (MOBA Pave Project Manager™)
- » Simple application: once configured, easy mounting and operation
- » Precise GNSS receiver for determining accurate distance and position data
- » Ruggedised design for construction-site operation
- » Easy assembly through modular cable lengths and flexible mounting concept
- » Advanced design capable of accepting additional modules

## Modules available:

- » Standard Kit
- » Temperature Scanner
- » MOBA Operand
- » GNSS Antenna
- » Weather Station
- » Up to four additional single sensors
- » Start stop recognition of machine
- » Machine bus integration



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WE ARE CLOSE BY.



 **MOBA location**  
 **Dealer**

## MOBA worldwide

After you purchase our products we won't leave you to fend for yourself. In addition to headquarters in Limburg/Lahn and German branch offices in Dresden and Langenlonsheim, MOBA is represented by its subsidiaries in Europe, USA, India and Asia, and by a worldwide dealer network in all key markets in the sectors it serves.

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