ROADSCANNERS

Roadscanners R&D on AC Pavements

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BEYOND THE SURFACE

ROADSCANNERS 1998-2021

BEYOND THE SURFACE

ntelligent and proactive infrastructure asset management

BRIDGE

NEWS Roadscanners is attending Makedonian Road Congress

AIRPORT

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ROAD SECTOR'S INTERNATIONAL FIRST-CLASS PRIZE AWARDED TO ROADSCANNERS

ROAD & STREFT

Using new methods can cut the costs of road maintenance by half



IMPROVING PRODUCTIVITY OF PAVED ROAD ASSET MANAGEMENT

pehko

ROADSCANNERS PRESENTATION VIDEO

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MODERN ROAD SURVEY TECHNOLOGIES -ROAD DOCTOR SURVEY VAN, RDSV







RDSV WITH 3D RADAR SYSTEM





THE FUTURE: DIGITAL TWIN







THE FUTURE: DIGITAL TWIN







POINT CLOUD BASED TRAFFIC INFRASTRUCTURE DIAGNOSTICS



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SURFACE

ROAD DOCTOR DIGITIZER FOR DIGITAL TWIN DATA COLLECTION







FROM REACTIVE TO PROACTIVE PAVEMENT MANAGEMENT LIFE TIME OF NEW PAVEMENT WHEN ASPHALT OVERLAID DURING MICRO-CRACKING OR MACRO-CRACKING PHASE



"Mapping cracks and pavement distress means that you are monitoring only how late you are with your maintenance measures"

REVOND



MONITORING PAVEMENT MOISTURE AND FATIQUE



Longitudinal section, SH1, New Zealand







MONITORING PAVEMENT FATIQUE, CRACKING AND MICROCRACKING





MONITORING PAVEMENT FATIQUE, CRACKING AND MICROCRACKING





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MONITORING PAVEMENT FATIQUE, CRACKING AND MICROCRACKING





Monitoring Moisture in the Asphalt







MOISTURE DAMAGE INDEX AND DRAINAGE DIAGNOSTICS



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DETECTING DEBONDING / DELAMINATION









Delamination expected





Delamination expected







MONITORING ASPHALT SEGREGATION







MONITORING ASPHALT SEGREGATION



CORELESS GPR METHOD BY ROADSCANNERS





Coreless method - average dielectric value of the whole asphalt layer







CORELESS GPR DIAGNOSTICS



Damage inside asphalt due to thermal seggregation during the paving phase (not visual) High water content in the pavement





CORELESS GPR DIAGNOSTICS



Good quality asphalt, no cracking, no moisture









