

MULTIFUNCTION SCANROAD : HIGH PERFORMANCE ROAD DATA ACQUISITION

Road key indicator measured with high performance



EN 13036-6

EN 13036-8

ISO 13473-1



Description

The SCANROAD system is the indispensable tool for collecting, at high efficiency and on a large scale, the key indicators that for an optimized management of their infrastructures.

On the existing network, as well as on new sections, the data provided will be invaluable to managers in their decision-making regarding the validation of works and maintenance policies.

The system provided is modular and scalable according to the client's needs and the context of use.

SCANROAD is designed to evolve at the speed of traffic in the flow of traffic by ensuring its own signaling. The acquisition is generally carried out with the help of a driver and an operator supervising and managing the proper conduct of the measurements via a simple and intuitive interface.

The monitoring system communicates with Geographic Information Systems and Road Management Systems using Vectra Supervisor and Visualizer software.

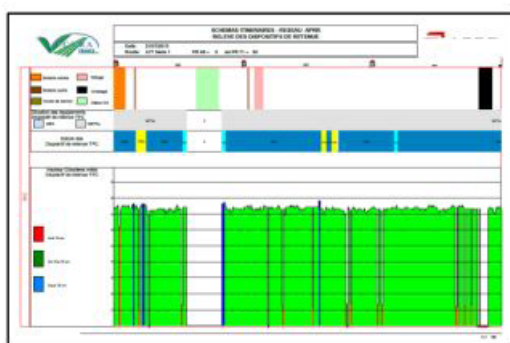




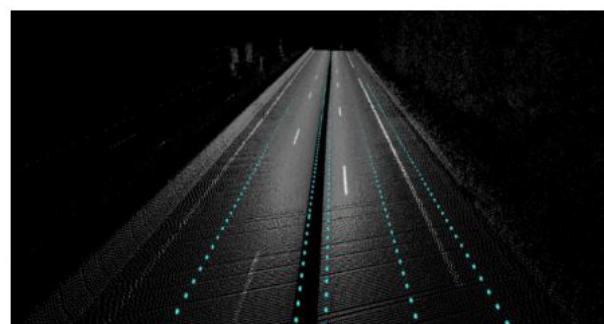
Features

POSSIBLES FONCTIONS	
Roughness	IRI, NBO (waveband analysis), DSP (spectral density), SW, CP (flatness coefficient)
Transversal profile	Rutting, water entrapment ...
Pavement texture	MPD, ETD ...
Pavement surface distress	Automated surveys and measurements of longitudinal, transverse cracks, potholes, raveling ...
Road geometry	Longitudinal Grade (Slope), Crossfall (Cross-Slope) and Curvature Radius
Road image bank	Pavement imaging system, pavement context
Structure of the road	Thickness of the coating and layers
Environmental inventory	Road equipment, shoulders, height of structures, precise measurement of the nearby environment
Distance measurement	Distance travelled, system synchronisation
Exchanges with GIS and PMS	Data export by supervisor and viewer Vectra
Relative and absolute positioning	Customizable system according to the needs of precision, relative and absolute position in x, y, z (GPS, inertial unit)

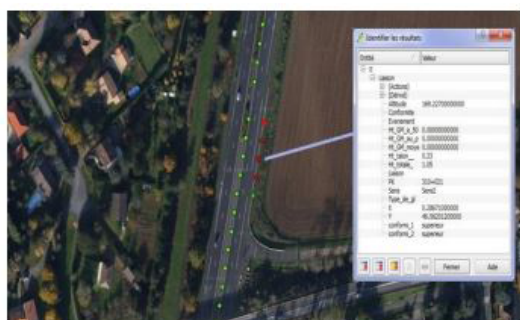
Deliverables



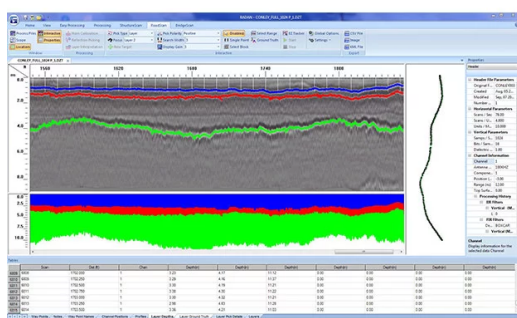
Road diagram



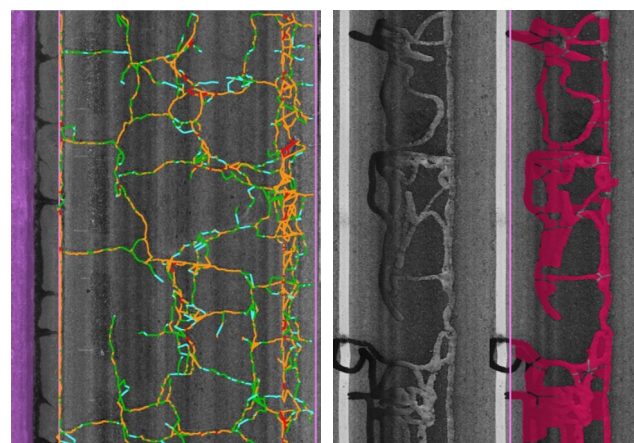
Point cloud



Rendering in GIS or Google Earth



GPR picture



Example of damage surveys