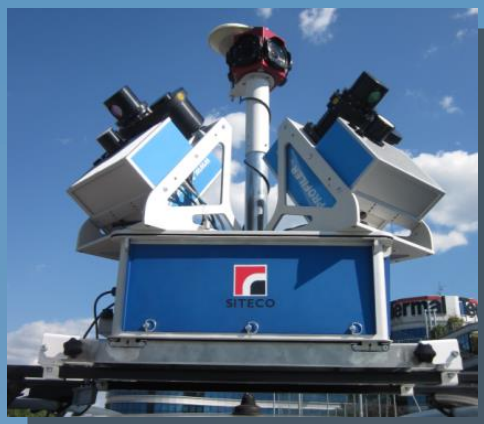
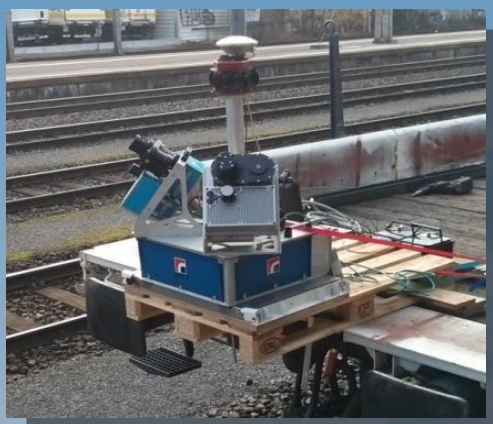
SITECO

presents

ROADSCANNER4





The most flexible,high accuracy Mobile Mapping System available today

ROADSCANNER4

MOBILE MAPPING SYSTEM

For asset management and cartography

Siteco started the development of the Road-Scanner Mobile Mapping technology in 2005 in cooperation with the prestigoious Universities of Bologna and Parma. In the past years Siteco delivered the system to many Surveying and Engineering companies worldwide, constantly improving and updating the equipment and software.

The system can be Configured with any combination of INS system and sensors, including available Faro, Z+F, and other.

Easy to package and ship

Thanks to its compact design, the **Road-Scanner4** is completely portable, self-calibrating, and adaptable to any vehicle.

Video system and other sensors

The top quality spherical Ladybug5 camera, allows the acquisition of high-resolution imagery and provides the user the immersive and realistic vision of the environment.

The system can be upgraded with up to 7 high resolution GigaEthernet Basler cameras, or other sensors (thermal cameras, profilometer, pavement survey equipment).

All the sensors are tightly connected with the Inertial Navigation System (INS), ensuring the calibration of the whole equipment, and the geo-referentiation of the collected data.

Navigation System

Road-Scanner4 can be equipped with a wide range of INS , from entry-level to top-quality models, depending on your accuracy requirements. The most advanced technology of Applanix or IXBLUE models, includes:

- 1 or 2 Double-phase high-accuracy GPS receiver and antenna;
- Inertial Measurement Unit (IMU)
- Odometer (DMI, Distance Measurement Instrument).

Lasers Scanners

Road-Scanner4 can be equipped with many different LIDAR configurations, starting from entry level with just one, two or up to three laser-scanners, according to the user's need.

Most existing Lidars can be plugged and calibrated without any difficulty, so buying more scanners is not required.

The basic configurations can be upgraded at a later date without any loss of investment.

LIDAR	Speed (pps)	Mirror speed (hz)	Range (m)	Accur. (mm)
Faro Focus 130	1 M	96	130	2
Faro Focus 330	1 M	96	330	2
Z+F 9012	1 M	200	119	0.5 - 1
Riegl VQ250	0,2 M	100	300	7
Riegl VQ450	0,2 M	200	800	7