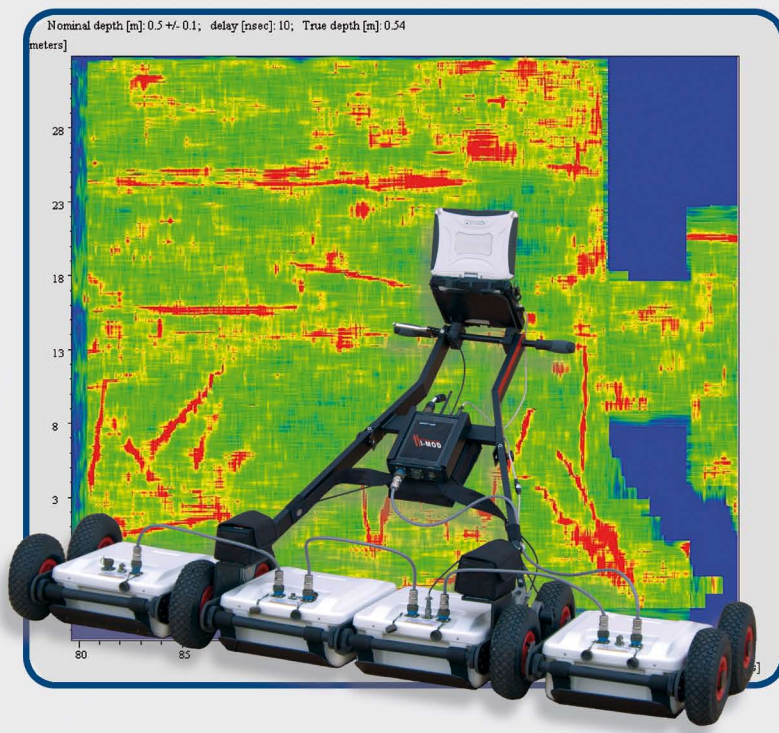


New RIS MF I-MOD

What's new with respect to the previous RIS MF



RIS MF	PRF	NEW RIS MF
400 KHz	PRF	400 KHz
6 (4 of them monostatic)	Radar channels	8 (8 of them monostatic)
200/600 MHz	Frequency	200/600 MHz
0.97 m/s	Maximum acquisition speed	3.77 m/s
845 scan/s	Maximum scan rate	4761 scan/s
69 Kg	Weight	58 Kg
175 cm x 86 cm	Size on ground	200 cm x 60 cm
25 W	Power consumption	25 W
5	Antenna cables	4
No	Autoconfiguration	Yes
No	Wireless	Yes

**Higher productivity:
a full day's acquisition processed in just 1 day
Providing utility maps with the new RIS MF Hi-Mod
is even more cost-effective**

NEW HARDWARE DESIGN:

- 4 dual frequency (200+600 MHz) antennas provide a regular grid of both frequencies;
- New radar control unit (FastWave) has improved penetration depth and acquisition speed
- All terrain scanning
- Lighter and more robust (aluminum handle)
- Modular composition (from 1 to 4 antennas) reconfigurable in the field without the need of tools;
- Easier to maneuver and assemble
- New trolley design enables direct frontal contact with obstacles such as walls.

NEW SOFTWARE TOOL:

- Dramatic reduction of processing time of more than 60%
- Easier and automated interpretation procedures thanks to:
 - Automated target recognition
 - Optimized tomography with automatic propagation velocity estimation
 - Automatic fusion of 200 and 600 MHz data
 - Pipe and cable detection phase done with automatic detection module and tomography, not using difficult to read radar maps
 - 3D data representation
 - Fusion of longitudinal and transversal scans in the same tomographic maps
 - Representation of irregular acquisitions, useful when acquiring in areas with interdicted zone (e.g. gasoline stations, industrial plants, etc.).

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