

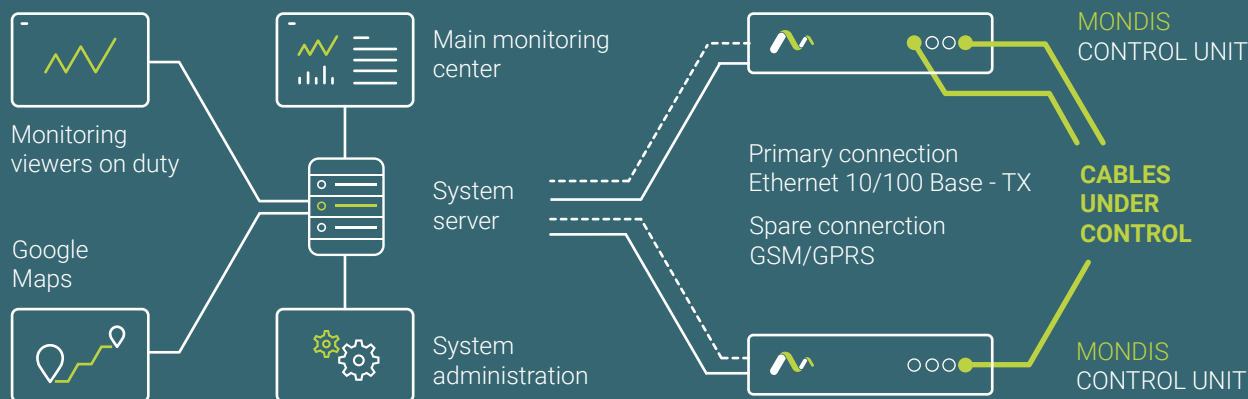


The Mondis system monitors and controls communication cables integrity and critical infrastructure access.

The system consists of remote monitoring units with dual network connectivity, server ( integrated FrontEnd, monitoring logic and database ) and operator workstation. Every single line is scanned 24/7 over single fiber or copper pair. Mondis automatically detects and locates faults on dark and active fibers as well as dedicated cooper pairs. The basic principle of the system operation does not require any additional intervention on the existing and already built cable network. The Mondis system visualizes the monitoring objects on a real map with a user friendly and easy-to-understand graphical user interface (GUI). In case of fault the map is focused in the area of the event and alert about that fault is displayed

## Features and Benefits

- ✓ Fast and precise cable events localization in real time
- ✓ Excellent visualization in real time - Integrity (cable cut and fiber attenuation or extension) of telecommunication cable routes and infrastructure elements
- ✓ Immediately alerts to maintenance teams (NOC), police or corporate security simultaneously
- ✓ Significant reduction in losses and fast traffic recovery
- ✓ Remote maintenance, administration and monitoring
- ✓ Web based interface
- ✓ Multiscreen visualization
- ✓ Monitor dark and active fibers
- ✓ Easy multifunctional and distance reconfiguration for FO cables and infrastructure
- ✓ Preventive maintenance efficiency
- ✓ Excellent Quality/Price ratio
- ✓ "Plug & Play" adaptation in an already built network
- ✓ No need of any additional expenses intervention on the existing and already built cable network
- ✓ No need of any additional expenses for excellent visualization of cable trace and accurate localization
- ✓ High reliability, automatic back-up and data redundancy.
- ✓ E-mail and SMS notifications



## Hardware specifications

Server Front end, Monitoring Logic, database ( 1U rack server )

Workstation PC with Web browser

DEVICE **MONDIS**

Form factor 19" 1U

Dimensions 44mm X 485mm X 130mm

Power supply DC: -36V to -72V

Power consumption Max 30W

Weight Standard: 2kg Fully configured:

Operating Temperature +5°C to 45°C (storage temperature -10°C to 70°C)

Humidity 5% RH to 90% RH , non-condensing

Connectivity Primary: Ethernet 10/100Mbit/s Backup: Mobile (GSM/GPRS)

Capacity	6 x 1 line	6 x 1 lines	6 x 4 lines	6 x 4 lines
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PLUG-IN MODULE	<b>MFOLR MODULE</b>	<b>MFOSR MODULE</b>	<b>MCC MODULE</b>	<b>MCCI MODULE</b>
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Line type	Single mode Fiber	Single mode Fiber	Cu, twisted pair	Cu, twisted pair
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Connector	SC/APC	SC/APC	RJ45	RJ45
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Impedance, ohm			100	100
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Wavelength, nm	1550/1625/1650	1550		
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Monitoring Distance	120 km	12 km	4 km @ 0,5 mm 9 km @ 0,9 mm 12 km @ 1,2 mm	4 km @0,5mm
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No of Lines	1	1	4	4
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Power consumption	700 mW	700 mW	700 mW	700 mW
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