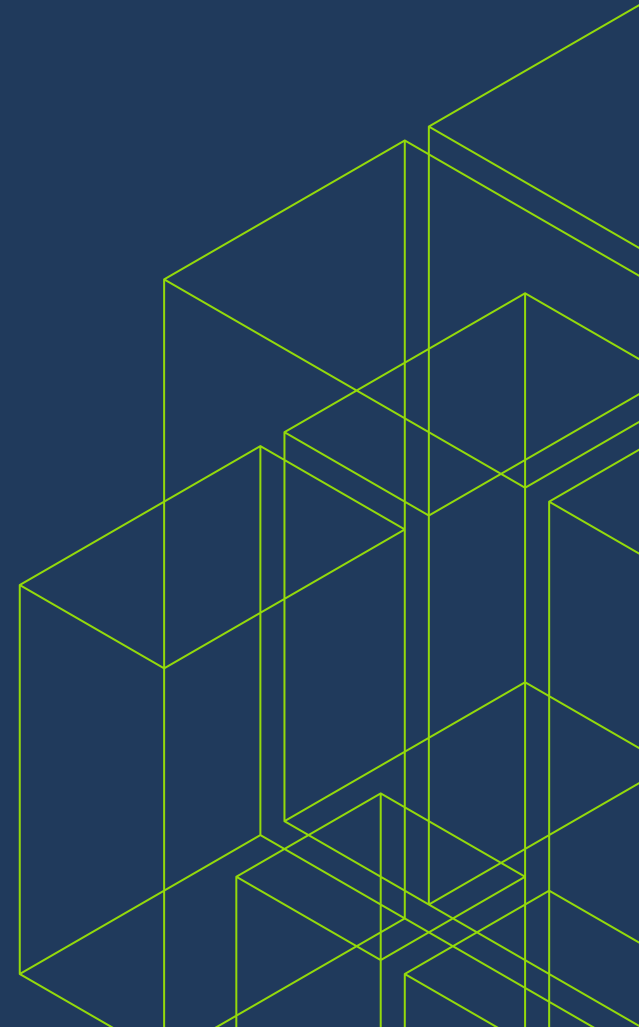# SatWatch™

Remote satellite signal monitoring

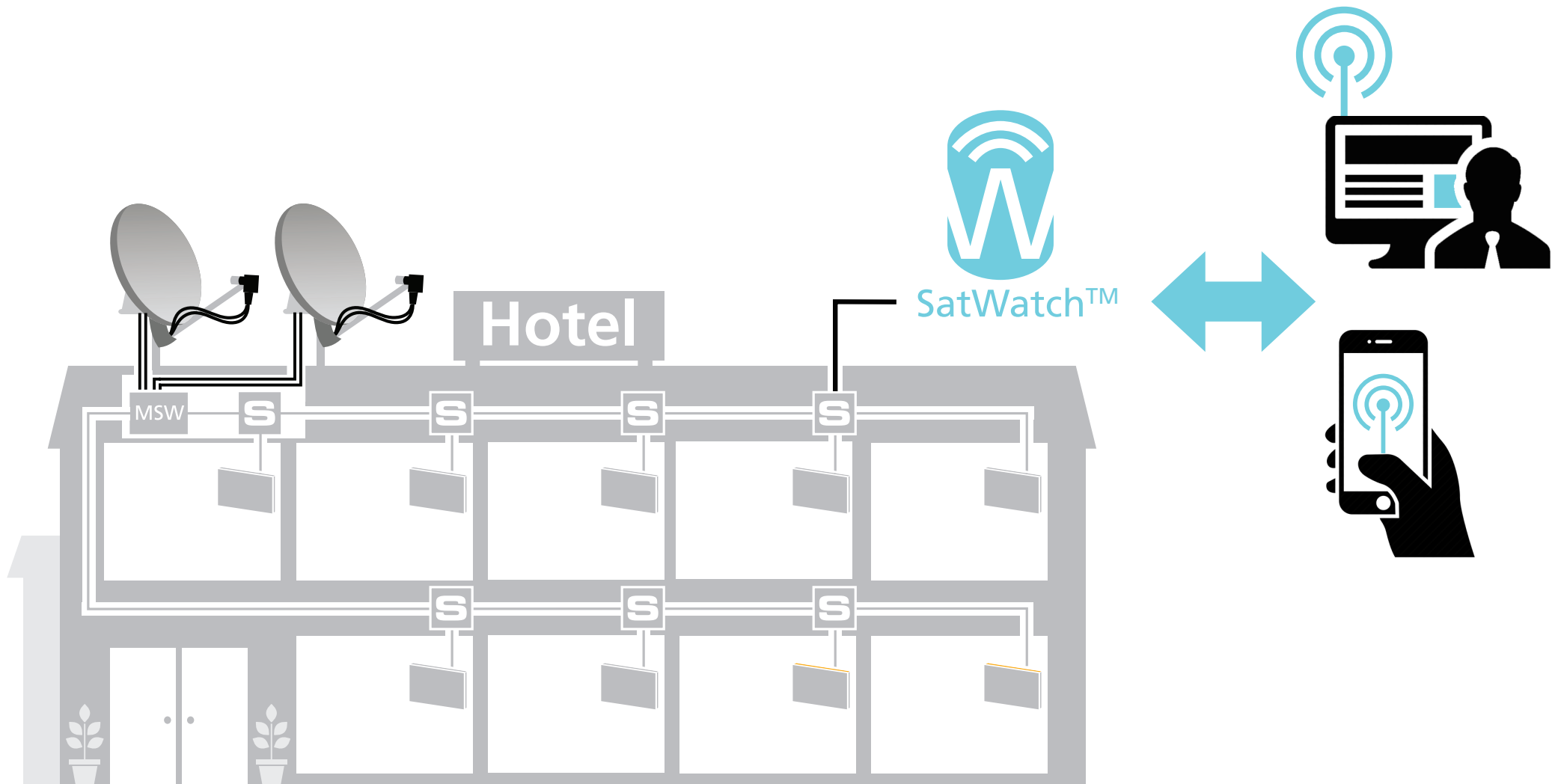# SatWatch™ - Remote satellite signal monitoring

SatWatch™ is a compact IoT device helping DTH operators to remotely monitor the satellite signal quality within their service footprint. The device connects to an existing installation and measures the signal strength and MER level of a set of monitored transponders 24/7. The SatWatch will send the operator early alerts over a 2G/3G mobile network as soon as it identifies a degradation in signal strength or MER leveles of any of the monitored transponders.

Local data connection offers access to site history, firmware upgrades and device configuration, allowing the user to program the alarm conditions and notification messages.

Benefits for DTH operators:

■ Increase customer satisfaction - get early warning alerts and learn about reception issues before they impact the viewing experience of your subscribers and turn into expensive problems.

■ Use collected data to optimize on real time basis the power of the sat transponders and maximize service availability based on signal levels measured in the field.

■ Reduce audit and maintenance costs of field installations by receiving full signal quality information 24/7 and reduce visits to your sites.

■ Low budget and easy installation.

SatWatch™ - Typical installationn scenario

Hotel

SatWatch™

SatWatch™ - The monitoring box

SatWatch™ - Technical specifications

Satellite interface

Input frequency range   950 MHz ~ 2150 MHz
Monitored TP parameters   Power level and MER
Optional: DiSEqC 1.x, 2.0

Mobile network interface

2G/3G modem   2G: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
SIM reader with press to eject   3G: 900 MHz, 2100 MHz"
Support SMS and GPRS connection
Quad band antenna

Data interface

Micro USB for PC connection
Optional: IEEE 802.15.1

Power supply

Powered from the mains through AC/DC adapter   100 VAC ~ 230 VAC (max. ratings 90 VAC ~ 264 VAC)
DC input (micro USB)   12 VDC, 1 A
Typical power consumption   1.5 W
Power to the LNB   No (optional)

Environmental and Regulatory requirements

Indoor industrial environment
Operating temp: 0 °C ~ 50 °C
Operating humidity: 5% ~ 95%.
RED, EMC, Safety

SatWatch™

Adding intelligence to your installations

For further details contact: sales@inverto.tv

inverto™