

## TELEMETRY DATA TRANSMISSION OVER DMR AND TETRA RADIO SYSTEM

AdapTel is an interface adapter for transmitting and receiving telemetry data from remote facilities to SCADA system dispatching software in DMR and TETRA networks

### Benefits

- **Reliability:** Use of a private fail-secure communication channel, independent of third-party operators
- **Cost effective:** Data transmission via voice communication infrastructure, so no extra frequencies required
- **Flexibility:** Can work as part of SmartPTT or via a third-party SCADA software
- **Network load optimization:** Data and voice transmission over a single frequency on two channels based on TDMA technology

### Functionality and characteristics

- **Equipment status monitoring:** Uninterrupted data acquisition, even in an emergency
- **Point-to-multipoint communication:** Opportunity to control a large number of distributed facilities
- **Clear graphical representation of data:** Intuitive software for real-time equipment monitoring and control
- **Robustness:** Wide range of operating temperatures and protection against reverse polarity
- **Easy configuration:** User-friendly web interface to configure settings

### Verticals

#### ENERGY



#### UTILITIES



#### MINING



#### OIL & GAS



#### MANUFACTURING

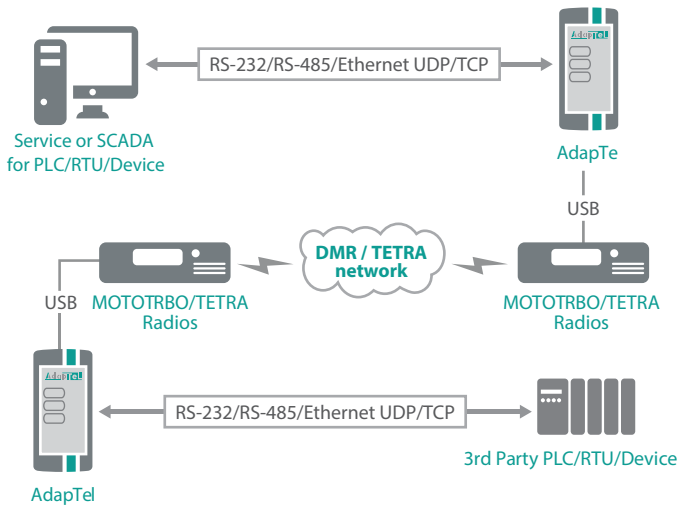


#### AIRPORTS



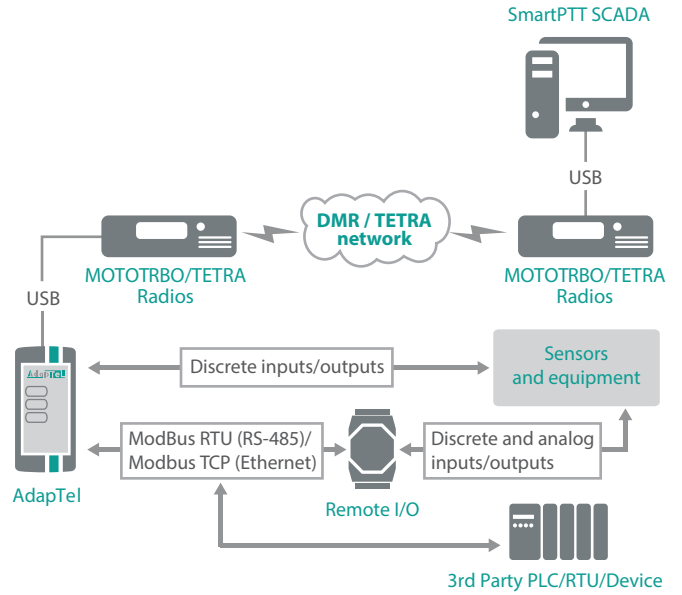
# Two Operation Modes

## Transparent Mode



AdapTel provides transparent transfer of data between third-party devices (PLC/RTU/Meters/Sensors/etc) and SCADA software in DMR and TETRA network

## RTU Mode



AdapTel collects technological signals and controls equipment through built-in digital inputs (DI) and digital outputs (DO), as well as through third-party input/output expansion modules using Modbus data protocol

## Specification

Model	SB70	SB70-16DI	SB70-16DI/DO
USB (2.0)		4	
Ethernet		1	
RS-485/RS-232		1	
Input / Output channels	3 DI channels	19 DI channels	3 DI channels, 16 DI/DO channels
	Number and variety of channels can be increased by using Modbus TCP/Modbus RTU (RS-485) expansion I/O modules		
Indication	4: Power, Ready, Transmit AIR MOTOTRBO, Receive AIR MOTOTRBO		
Watchdog timer	Yes		
Web interface for configuration	Yes		
Input voltage	9...30 V (3 W)		
Operating temperatures range	-30...+70 °C (-86...158 F)		
Dimensions	47x125x90 mm (1,9x4,9x3,5 inches)	67x125x90 mm (2,6x4,9x3,5 inches)	