



# SILBUS RANGE



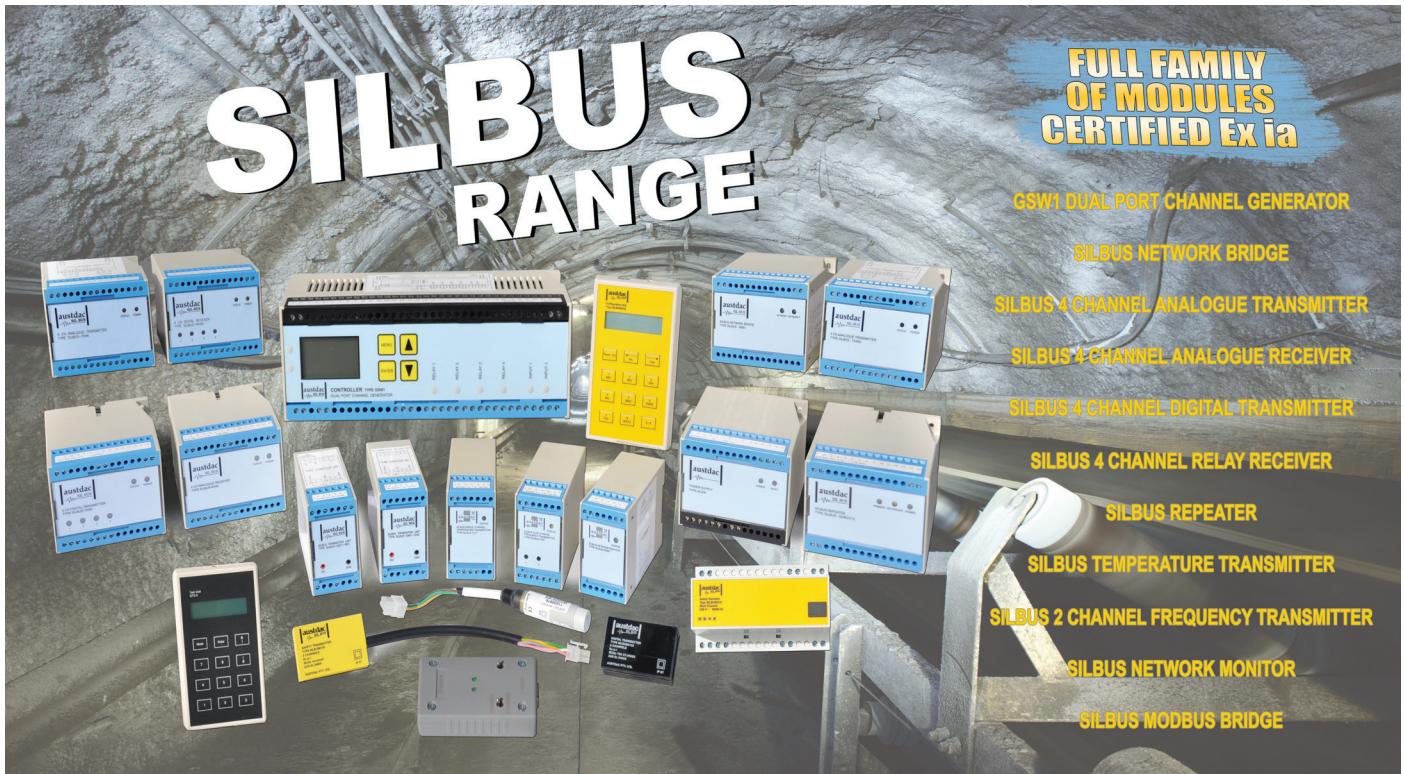
# PRODUCT DESCRIPTION

This SILBUS family brings features such as ease of installation, improved ease of customer configuration and diagnostic capability.

The unique ability of SILBUS to provide data transmission and power on the same simple twisted pair of wires to allow reliable monitoring and control in systems up to 8,000 metres in length. Distances and functionality can be further extended using the new galvanic isolating repeater and network bridge.

The range of signals that can now be monitored include digital, safety (SIL3), voltage, current, temperature and frequency all in a consistent family of DIN rail mounting or wire in modules.

The SILBUS control unit or channel generator with its configurable logic resolvers, MODBUS interface and system diagnostic facilities further compliments the range and makes the implementation of a conveyor control or mine wide gas monitoring system a simple task.



## SILBUS SYSTEM FEATURES

- Intrinsically safe distributed input/output monitoring and control system
- 2 wire operation up to 8,000 metres in length
- SIL3 rated
- Line powered devices such as digital, temperature and frequency inputs
- Analogue inputs and outputs

## SILBUS PRODUCT FEATURES

- Four channel analogue inputs (current or voltage)
- Four channel analogue output (0 to 20mA or 4 to 20mA)
- Four channel digital inputs (isolated)
- Four channel digital output (relay contacts)
- Four channel remote isolation indicator
- Two channel SILBUS line powered frequency inputs
- Single channel SILBUS line powered temperature input (RTD)
- Repeater and bridges (SILBUS, Modbus, Ethernet, Wi-Fi)
- UPS with SILBUS for control and monitoring
- SILBUS line monitoring
- SILBUS line filters

## APPROVALS:

- IECEx TSA 07.0002X Ex ia I
- Nemko 07ATEX1033 Ex ia I
- MSHA 18-ISA060002-0
- TÜV IEC61508 SIL3 (safety only)
- C-TICK
- UL Listed

## APPLICABLE STANDARDS:

- IEC 60079-0
- IEC 60079-11
- IEC 60079-25
- AS 1755



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