

ANTARES

The Innovation in Bus Technology for Zones 1 + 2 and Zones 21 + 22

ANTARES

Flexible, convenient, economical and future-oriented

ANTARES is BARTEC's response to industry's requirements for more economic efficiency, convenience and flexibility in bus systems. The new remote I/O system is installed directly in the hazardous area and offers the same convenience as systems in the non-hazardous area. The maximum of functionality in the minimum of space in an extremely attractive design - that is ANTARES.



System Design

RCU (Rail Control Unit)

The RCU is the central head unit in the ANTARES system and accommodates the data processing, power management and an Ethernet switch. Innovative interlocking technology ensures a stable and safe connection.

Remote I/O Modules

A total of 8 different ANTARES modules offer a lot of possibilities. Just join them together and the connection is secure, even over several mounting rails. Standard mounting rails will suffice; complex bus rails are no longer necessary.



ANTARES I/O module + + + 8 Digital In NAMUR + + + 16 Digital In NAMUR
4 Analog In/Out freely configurable parameters + + + 4 Analog In/Out

Efficient Power Pack

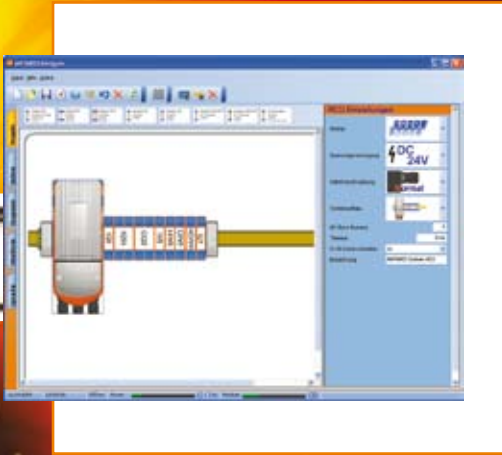
Even high electrical power levels are child's play for ANTARES. The power pack in the head module can supply power to up to 32 multi-channel modules. This increases the number of sensors and actuators that can be covered by the remote I/O system: more power, less expenditure.

Standard enclosure instead of Ex enclosure

A standard enclosure is sufficient for ANTARES. The benefit for customers is obvious. With the new bus system you save cash because standard enclosures are cheaper than Ex enclosures. The production of a bus system is much simpler and considerably more flexible, another advantage.

Multi-functional I/O system

ANTARES is the perfect bus system solution for all established systems, such as MODBUS TCP and PROFIBUS-DP. A totally new feature is that ANTARES now succeeds in bringing ProfiNet and Ethernet IP into the Ex area too, without any isolating repeater.



Intuitive Project Planning

The ANTARES software simplifies project planning and configuration. The user creates the system design directly in true-to-scale images. Limit values, such as spacing, power management etc., are monitored automatically by the software.

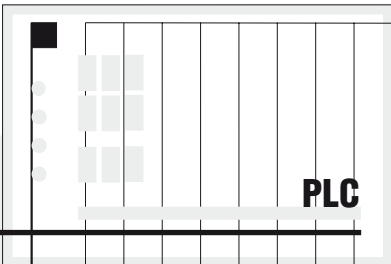
Genuine Redundancy

Two head modules work alongside each other as a redundant system. If the active head module fails, the other RCU takes over the functions immediately, thereby preventing any downtime occurring.

Hot-Swap Function

To preserve system availability, the system components can be hot-swapped, i.e. exchanged without disconnecting from voltage or interrupting mains operation.

Safe area



BARTEC protects
people and
the environment
by the safety

of components,
systems
and plants.

