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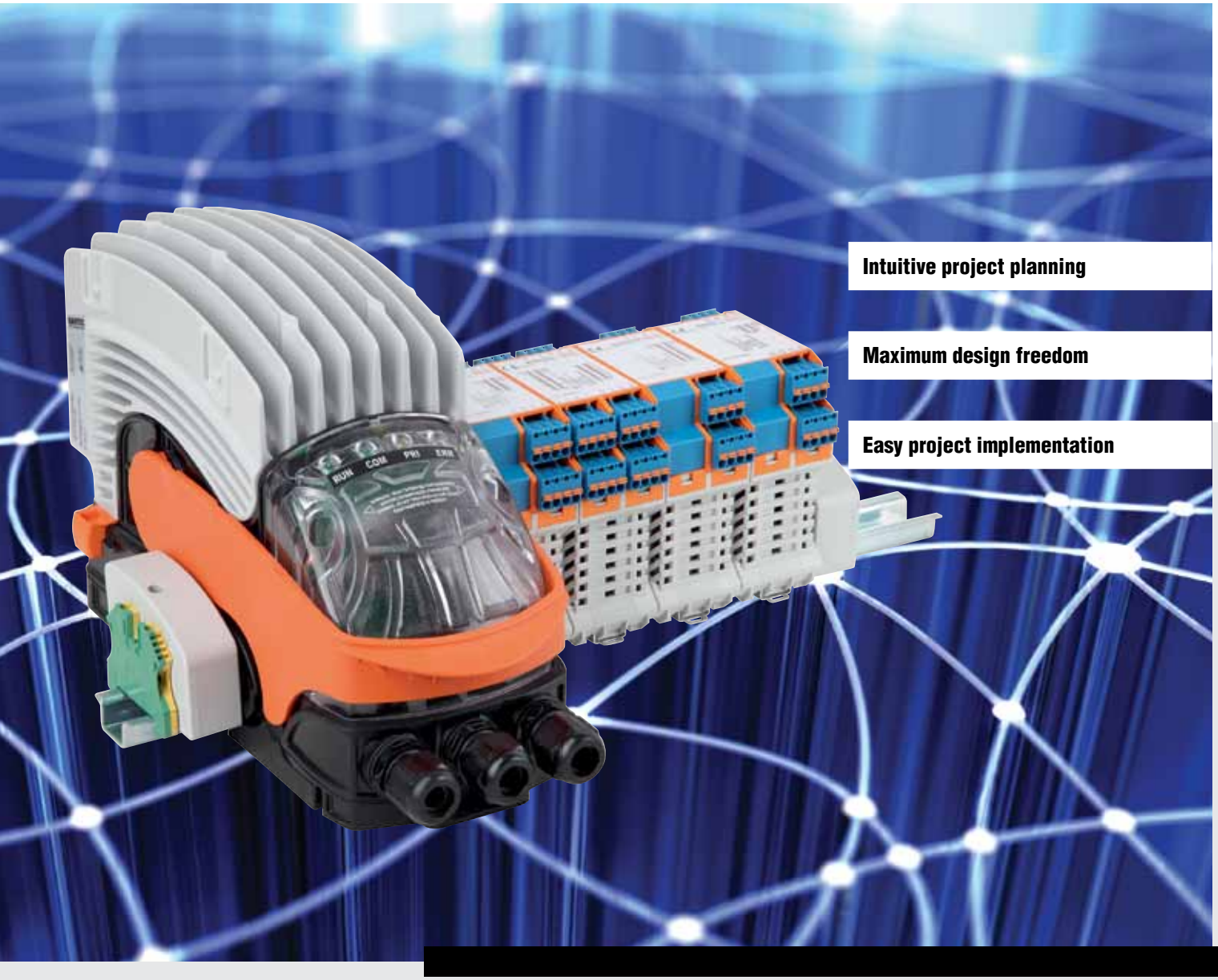


Intuitive project planning

Maximum design freedom

Easy project implementation

ANTARES

ANTARES^{plus}

Cutting edge remote-I/O automation solutions

ANTARES

BARTEC

Innovative solutions are required for the automation of industrial installations and plants to increase productivity and thus economical efficiency in a sustainable way.

ANTARES^plus is BARTEC's cutting edge response to the ever growing industry demands for more flexible, reliable and cost effective automation solutions using Remote-I/O systems. ANTARES^plus offers maximum performance, convenience and savings in an extremely attractive design.

Intuitive project planning

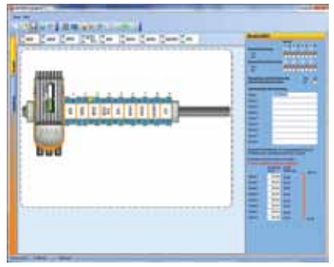
Due to the smart concept of ANTARES^plus, project planning processes remain identical as if conventional systems solutions were chosen. A comprehensive software tool simplifies the design and verification of the ANTARES^plus system, while automatically monitoring critical system factors such as power management, spacing, etc.

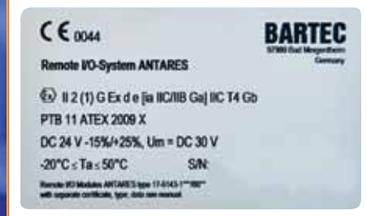
Maximum design freedom

With a large power reserve, efficient and compact I/O configurations are no issue with ANTARES^plus, even when the system is mounted directly into Zone 1. Up to 32 multi channel I/O modules can be powered by one single Rail Control Unit. Additionally, rail extension options are available to enable truly distributed I/O configurations.

Flexible systems approval

Requirements for rigid and unique system approvals are history thanks to the smart design of the ANTARES^plus system. For the majority of the application areas, general purpose mechanical protection is sufficient. For the ease of project execution, I/O changes can be facilitated without violating existing approvals for the system.





Systems design

The ANTARES^plus remote-I/O system is installed directly into the Ex area. The core unit of the system is the Rail Control Unit (RCU) accommodating host communication, Ethernet switching, power management and I/O data processing.

For the ease of integration, a multitude of open communication standards are supported, from fully redundant PROFIBUS-DP to Ethernet based standards such as PROFINET, MODBUS TCP and EtherNet/IP. Complex Ex repeaters and separate bus topologies are no longer needed. A range of ANTARES^plus I/O modules is available to build any desirable configuration.

ANTARES^plus is treading new grounds without compromising the security of established project execution practices.

Easy project implementation

ANTARES^plus makes installation easy. Thanks to the smart approval concept of the system, assembly as well as installation can be done following general installation practices for hazardous areas. With this approach, there is no longer a need for Ex authorized personnel on site for the assembly of systems subject to approval.

Highest systems availability

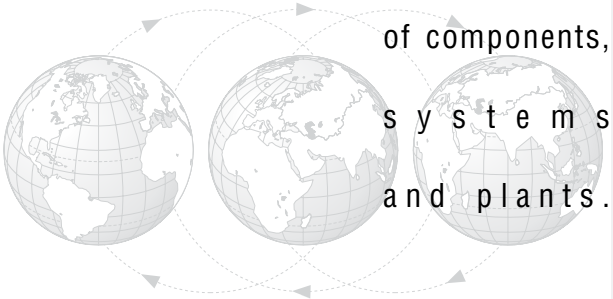
Genuine communication redundancy for PROFIBUS-DP is available to secure uninterrupted operation with host systems. In a redundant configuration, both communication lines are live to guarantee availability and to enable hot standby in case one line or module fails. ANTARES^plus supports hot swap functionality to eliminate I/O downtime.

Optimum life cycle security

State of the art designs, technologies and components secure the future of ANTARES^plus and the use of it in any installation. ANTARES^plus provides the most reliable concept through continuous design improvements. The choice for open bus communication with global support and industry know-how further preserves any investment with ANTARES^plus.

BARTEC

BARTEC protects people and the environment by the safety of components, systems and plants.



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