

# Preferred Implementation Distributed Ethernet TCP/IP High Performance

*Advanced design and commissioning  
with high features, thanks to transparency  
and standard IT...*



## Typical applications

### Industry

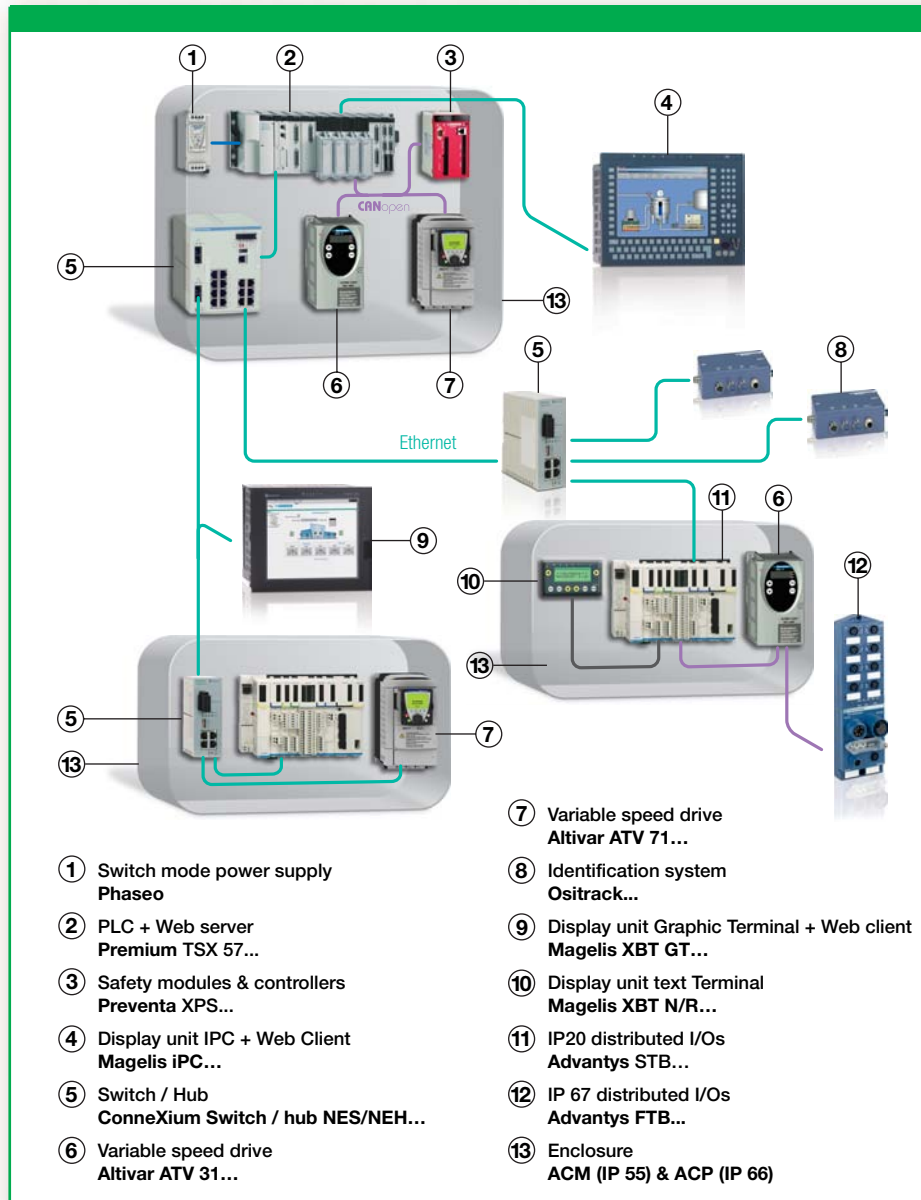
- Large packaging machines
- Complex machines
- Small warehousing sorting systems
- Modular machines

### Infrastructure

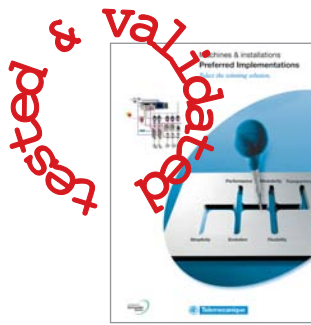
- Airport gateway
- Airport energy management
- Airport baggage handling
- Tunnel control

### Building / services

- Electrical distribution
- Sorting systems
- Intelligent building automation systems...



Dedicated to large and complex machines and equipment requiring modularity and transparency with high features, this implementation combines in a distributed architecture based on Ethernet Modbus TCP, a Premium PLC, Altivar 31/71 variable speed drives, Magelis XBTG and IPC displays and Advantys STB distributed I/Os. Transparency Web services and IT features are embedded in devices.



## Advantages

### Consistency of solution

The synergy of high quality products provides a solution guaranteed by a leader in automation.

### Tested, validated and documented

A complete user guide gives all the details for installing and building your application in confidence.

### Easy diagnostic and remote services

Faulty device replacement, Web services, e-m@il and Web server embedded in device allow a complete transparency for maintenance and remote services.

### Distribution of HMI

Web services and Factory Cast HMI allow to distribute several HMI with a complete transparency and a high level of access control.



### High modularity and flexibility

Thanks to the combination of Advantys STB, modular I/Os, a local HMI and motor controllers (drives), allows distribution of the automation functions with a high level modularity and flexibility.



## Characteristics

### Performance

- Controller: Premium
- I/O: up to 800 (IP20 - IP67)
- Motor control: variable speed drive (up to 16 ATV 31/71)
- Motion control: on Sercos bus (up to 8 axis)
- HMI: push-buttons and lights, graphic display, Factory Cast HMI, Vijeo Look
- Typical cycle time: 50 - 100 ms
- Safety: Preventa module or controller

### Installation

- Machine type: stand alone or networked
- Cabling: Ethernet and CANopen
- Software: libraries and function blocks to ease programming
- Web automation tools
- Very easy modularity
- Remote diagnostic via the Web
- Easy to duplicate and to save your application by using EEPROM

### Constraint

- Installed in a cabinet to achieve higher IP level, ACM (IP 55), ACP (IP 66)

### Cost

- Reduced engineering cost

### Size

- Network length: unlimited length for the application

## A platform and a dedicated team at your service

Each preferred Implementation is based on a selected platform for optimal results and updated according to the evolution of our product offer. A team of specialists can perform customized tests to validate your configuration of the Preferred Implementation.

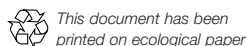


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