Station Computer
REDUNDANT

Armadio
Station Computer

GPS Time Server

HMI
Server

HMI
Server
+
Eng.
W/S

S
4

S
2

Color
Printer

R2

Armadio
Lan di stazione

IED	IED	IED	IED	IED	IED
BAY 25	BAY 26	BAY 27	BAY 28	BAY 29	BAY 30

Cesit Ingegneria S.P.A.
www.cesit.net

CESIT

Energy Automation

Energy Automation

A team of engineers and technicians with specialist, multi-discipli-nary skills supplies solutions and services for the measurement, monitoring, protection and control of low-, medium-, high- and very high-voltage electrical systems and networks.
We work in partnership with our Customers to fulfil their requests and requirements, from the design phase to configuration, custo-misation, commissioning, operation and maintenance.

The Energy Automation team

Electrical engineers specialising in electrical protection systems and the requirements of IEC61850, together with IT and telecommunications engineers specialising in monitoring, control and data transmission systems, enable Cesit Ingegneria to design and implement protection, control and monitoring systems for:

• Power transmission networks

• Power distribution networks

• Electricity substations

• Industrial plants

• Production plants

Cesit Ingegneria's services

Cesit Ingegneria offers comprehensive support for every stage of the realisation process:

• Analysis and preparation of technical specifications

• System development and engineering

• Factory acceptance tests (FAT)

• Site acceptance tests (SAT)

• As-built documentation

• Operator training

• Service

Engineering

- Design of turnkey systems
- Design of protection and control panels
- Network calculations
- Electrical protection selectivity studies
- Preparation of hardware specifications
- Preparation of software, SCADA and communication specifications
- System integration
- Programming and configuration of protection relays

Software development

Cesit Ingegneria's team of IT systems engineers can develop supervision applications using the most widely adopted SCADA systems, and create user interfaces that enable operators to manage plants simply and efficiently.

Testing, Commissioning & Start-up

After the protection, control and monitoring system development phase, Cesit Ingegneria can undertake all the necessary subsequent phases for correct on-site installation and start-up.