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Reference list
End customer: Ondeo/ABBOTT

Project objective: Wastewater treatment supervision and control at ABBOTT's wastewater treatment plant in Latina. The system acquires signals within the plant using Modicon Quantum PLCs, and controls using SCADA. Input and output TOC (total organic carbon analysis), oxidation and level parameters are also acquired.

Architecture: In-field acquisition and control over MBE Modbus Ethernet of a total of 752 digital and analog I/Os. Ethernet network architecture and Modbus Plus. Supervision on iFIX platform.
End customer: Ente Grotte dell’Angelo

Project objective: To control scenography installations inside the Grotte dell’Angelo caves at Pertosa, Salerno. The system acquires the position of guided tour groups inside the caves and remotely activates scenographies by means of VoIP WiFi phones. It also acquires environmental parameters and significant alarms.

Architecture: In-field acquisition and control on EIB bus. Cisco WiFi network architecture. Supervision on Movicon platform. Creation of drivers and communication gateways to interface the localisation system and the supervision system.
End customer: Engelhard Italia

Project objective: Supervision and processing of statistical data of impregnation machines, with an analysis of the quantity of product impregnated and its variance.

Architecture: Direct, in-field or via PLC acquisition of production variables. Supervision on InTouch platform.
End customer: Capitanata Reclamation Consortium

Project objective: To implement the supervision and control of an irrigation water pumping system.

Architecture: In-field acquisition and control using Schneider PLCs. Supervision on WinCC platform.
End customer: Ideal Standard

Aim of project: Supervision of a wastewater treatment plant at two plants of the group.

Architecture: In-field acquisition using Rockwell PLCs. Supervision on RSView platform.
End customer: Electron Elsag Datamat

Project objective: Automated system for video surveillance, intrusion detection, remote control of electrical panels and users

Architecture: Acquisition of 1000 Advantys I/Os, PM 710 on serial, HVAC UNIFLAIR on serial Modbus, RIELLO UPS on Modbus, using redundant supervisory system iFIX vers. 5.0
End customer: Acea Ato2

Project objective: Implementation of Inventia RTU System for remote control of water users.

Architecture: IFIX supervisory system and iHistorian at Acea’s CEDET control room. Data acquisition and control of the Inventia RTU on the above software.
The definition of alarm triggered "rules" for status changes, etc.:

- Sending SMS messages with dynamic fields
- Sending unsolicited data
- CLIP

Monitoring, supervision and Remote Control.

Direct acquisition on iFIX and iHistorian system.

Ability to create simple programs for management/control of various signals or internal registers
ACEA ATO2
CONTROL SYSTEM

ACEA ATO2 SYSTEM

- redundant iFIX water mains management
- iHistorian data logging management
- ITS Terminal Server for Thin Client management
- RTIP for web based data management
**End customer:** Farmaceutici Damor (Napoli)

**Project objective:** HVAC control system supervision for all factory departments.

**Architecture:** Siemens PLCs with Ethernet network to supervision system using iFIX vers. 4.5. Control carried out using validated PID loops for pharmaceutical environment.
End customer: Sanofi Aventis

Project objective: Revamping of SMM climate control monitoring system, handled by the Oracle system and GE Proficy - iFIX - iHistorian.

Architecture: iFIX + iHistorian in redundant cluster configuration + iFIX terminal Server to handle 7 clients. All the above software has the 21 CFR part11 option.
Sanofi redundancy: new features

SANOFI AVENTIS SYSTEM

- Redundant iFIX for climate control
- iHistorian data logging management + iHistorian backup
- iTS Terminal Server for Thin Client management
End customer: Schneider S.p.a/Sielte S.p.a

Project objective: Automated system for Siracusa-Gela motorway (Cassibile-Rosolini leg)

Architecture: Acquisition of 3034 I/Os (CCTV-SOS-PMV) using redundant supervisory system iFIX vers. 4.5.
End customer: Schneider S.p.a/Sielte S.p.a

Project objective: Automated system for Siracusa-Gela motorway (Cassibile-Rosolini leg)

Architecture: 4 Premium redundant architectures to handle physical and serial I/O.
End customer: Centro Sportivo Olimpia
Project objective: remote control of technological systems and HVAC
Architecture: In-field acquisition and control using TAC Xenta distributed control units. Supervision on Schneider TAC Vista platform.
End customer: “Le ciliegie” Shopping Centre

Project objective: remote control of technological systems and HVAC

Architecture: In-field acquisition and control using TAC Xenta distributed control units. Supervision on Schneider TAC Vista platform.
End customer: Ferrovie dello Stato State Railways

Project objective: Remote control of technological systems, HVAC and security

Architecture: In-field acquisition and control using Infinet-Bacnet controllers. Supervision on Andover Continuum platform
End customer: Schneider Electric S.p.a

Project objective: remote control of technological systems, HVAC and security

Architecture: In-field acquisition and control using Infinet-Bacnet controllers. Supervision on Andover Continuum platform
End customer: Schneider/Sanofi Aventis

Project objective: remote control of electrical installations, lighting control in plant departments using Premium PLC concentrator and 12 Advantys islands in an Ethernet network.

Architecture: In-field acquisition and control using networked Ethernet Advantys islands with supervision of electrical parameters (voltage, current, power, phase) of PM.710 Schneider power meters (54) over Ethernet network. Supervision on PcVue SCADA platform.
End customer: Northrop Grumman

Project objective: remote control of technological systems, for control and management of electrical panels, access control systems, HVAC control.

Architecture: In-field acquisition and control using Rockwell/Schneider PLCs. Supervision on SCADA FactoryLink platform.
End customer: Sanofi Aventis Scoppito site

Project objective: remote control of technological systems, for control and management of chemical processes. (de-mineralized water)

Architecture: In-field acquisition and control using Siemens S7 PLCs. Supervision on SCADA FactoryLink platform.
End customer: Aci Informatica

Project objective: remote control of technological systems, for control and management of UPS systems, generator, cooled water, fire alarm, flooding alarm, chemical processes. (de-mineralized water)

Architecture: In-field acquisition and control using Premium PLCs with Siemens S7 PLCs. Supervision on SCADA FactoryLink platform.
End customer: Schneider / ACEA ATO2

Project objective: remote control of pumping systems, for control and management of HT and MT electric panels, generator.

Architecture: In-field acquisition and control, using redundant Premium PLCs with dual fiber optic ring to manage 38 Advantys Islands for a total of 500 digital and 200 analog. Local supervision on Magelis Panel and iFIX SCADA control room.
End customer: Aci Informatica

Project objective: remote management of diagnostic and maintenance system for a railway signaling system.

Architecture: In-field acquisition and control using Bombardier HW. Supervision using FactoryLink SCADA platform for a total of 8 railway stations.
End customer: Schneider / Sielte

Sant’Angelo and San Michele tunnels

Project objective: remote control of technological systems, for control and management of HT and MT electric systems, generator, fire alarm, SOS, RDS, traffic lights, CCTV

Architecture: In-field acquisition and control using Premium PLCs with M340 CPU and Advantys islands. Supervision on SCADA Vijeo Citect platform.
End customer: Simmel defense

Fuser process control

Project goal: remote control of product loss during transfer, environmental moisture control, remote process supervision.

Architecture: In-field acquisition with visible light and infrared ATEX cameras for control by SCADA and PLC. Connection to physical inputs of the PLC to trigger alarm system. Siemens SIL3 PLCs + iFIX SCADA with dual monitor, Ethernet interface on FLIR infrared Camera. Visible light camera with dedicated visual remote control station.
End customer: Schneider – Telecom Sparkle

Remote management and control of local and remote users

Project objective: Remote control to manage environmental, electrical etc. parameters of Telecom control stations located in Italy and abroad.

Architecture: In-field acquisition with PLCs and Schneider remote I/O, Factorylink supervision. A total of 100,000 tags are managed by three servers located in Rome, Milan and Palermo.
End customer: ADR Fiumicino

PLC and SCADA SW version check

Project objective: checking software versions of PLCs and SCADA installed in the BHS (baggage handling system).

Architecture: Use of MDT Autosave software in real time over the Siemens Ethernet PLC (50) and iFIX SCADA (10) network. The MDT software will check the versions of all software before and after any changes carried out by internal staff or external companies in order to map all changes with high level sw control operations.
End customer: Schneider

Murtineddu-Marapintau Tunnels

Project objective: Remote control of technological systems, for control and management of HT and MT electric systems, generator, fire alarm, SOS, RDS, traffic lights, CCTV

Architecture: In-field acquisition and control using Premium PLCs with M340 CPU and Advantys islands. Supervision on SCADA Vijeo Citect platform.
End customer: GE Power / Sielte

Tunnels called: Monaco, Timpa, Ogliastro on the Salerno - Reggio Calabria motorway

Project objective: remote control of technological systems, for control and management of HT and MT electric systems, generator, fire alarm, SOS, RDS, traffic lights, CCTV, etc.

Architecture: In-field acquisition and control using RSI3 PLCs + Versamax I/O. Supervision on iFIX SCADA platform.