

Automation

- + PLC programming: Siemens, Allen Bradley, Omron, Phoenix Contact, etc.
- + On site implementation, test and start up
- + IEC 61131 programming: LD, FBD, ST, IL, SFC
- + Field buses integration: ASi, DeviceNet, Profibus, Profinet, EtherCat, EthernetIP, Interbus, etc.



INDAS automated warehouse, Toledo (ITW)

Euroquímica automated warehouse 24x7 support, Toledo (ITW)

Lactiber automated warehouse 24x7 support (ITW)

Escuris automated warehouse 24x7 support (ITW)

ADINSE is an engineering and services company focused in providing optimal solutions to our customers.

We have valuable experience in engineering and services in several activity sectors due to participation in projects in the renewable energy sector (wind farms, utilities), automation (providers), electronics, food and beverage, fishing, environment and services sectors.

ADINSE has been independently verified by RePro and Docuplus S&I from Achilles, which assures our compliance with all the legal and fiscal obligations as providers

Our team is made up of specialized engineers in fields like telecommunications, electronics, automation and energy.



ADINSE

ingeniería y servicios

Partners



vmware
PARTNER

PROFESSIONAL
SOLUTION PROVIDER



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Service portfolio

Logistics

ADINSE has experience and human resources enough to address all the software parts of an automated warehouse, from the Warehouse Management System (WMS) and its interface with higher systems (ERP), and the interface with the PLCs (gateways, drivers and communication channels), SCADAs, HMIs, operator pannels, mobile interfaces, field control and data networks design, PLC programming, installation and start ups, operator and maintenance documentation, and 24x7 support of all the cited parts.

- + PLC programming: : SFCs, tracking, priorities, etc.
- + Consulting, design and technical proposals
- + Installation start up: programming, software installation, data bases, servers and PLCs, field control and data networks, scanners and drivers configuration, access points, etc.
- + Development and start up of SCADAs, HMIs and operator pannels.
- + Development of mobile interfaces (Android, IOS, Windows Phone)
- + Development and start up of communication gateways between PLCs and warehouse management systems (WMS)
- + Design, development and installation of WMS
- + Development and installation of middelware between WMS and ERP
- + Technical documentation, operator and maintenance manual
- + 24x7 support



Automated warehouse CAPSA – Lugo.
Sistema ASRS with satellite carts and loop

Automated warehouse PEPSI – Baltimore.
Sistema ASRS with satellite carts

Automated warehouse LACTALIS Puleva – Lugo.
Sistema ASRS with satellite carts

Renewable energy

ADINSE has a wide experience in renewable energy sector. We provide 24x7 SCADA support in more than 40 wind farms in Spain that suppose more than 5% of the whole eolic energy installed in the country and in Italy and Portugal. We generate montlhy reports of efficiency, performance and availability of more than 500 wind turbines, and we calculate the AEP and power curve of 1100 wind turbines. ADINSE checks and filters meteorological data of more than 120 meteorolo-gical towers.

- + 24x7 SCADAs support
- + SCADAs reinstall and migration
- + Systems virtualization
- + Windfarm availability and efficiency reports
- + AEP and power curve calculation
- + Design, development and installation of windfarm SCADAs
- + Continuous systems monitor and automatic event notification
- + Process automation
- + Communication procotols development
- + Network design
- + Meteorological data collection
- + Turbine and meteorological data check and filter
- + Reactive power monitoring and events notification
- + SET data integration in SCADA (IEC-101, IEC-104, DNP3)
- + SCADAs data base management , tunning, backup and data recovery
- + Desing, development and start up of second level SCADAs for control centers



SPAIN: 40 windfarms 24x7 SCADAs support
PORTUGAL: Sardinha windfarm 24x7 SCADA support
ITALY: Cáccamo, Cocullo and Ísola di Capo Rizzuto
windfarms 24x SCADAs support

Automotive

- + Process automotion
- + Machine and production line modifications
- + Custom developments
- + Poka yoke systems
- + SCADA and system adaptations, recipe modification
- + Critical systems virtualization
- + Support and maintenance



Benteler press SCADA adaptation

Information systems

- + Design, development, installation and support of information systems and networks
- + Help desk, software development, systems virtualization, design, installa-tion and support of data bases



Windfarms substation systems virtualization
Power curve analysis of 1200 wind turbines
FRINSA cogeneration plant SCADA