



®

V · I · D · A · L

AUTOMATIZACIÓN Y CONTROL S.L.

**Discover the reasons why you
trust us with your projects**



SYSTEM VICOM-X

Savings and efficiency energetic
Establish hourly rates to reduce energy consumption.
Process optimization.



Sending alerts by Email
The integrated HMI system allows you to define, activate and deactivate the sending of alerts by Email through the programming of our technicians.



Communication
ModBus - RTU by RS-485
ModBus - TCP Ethernet



Remote access
It has a UBIQUITY application that allows us to connect from any mobile device or PC.



Data register
Storage of temperature and set-point records



From the main screen (HMI) we can have a vision of the entire installation and the processes that the thermostats control. Allowing us to control and configure:

- » Set-point of the thermostats.
- » Hourly rate bands for each month of the year
- » Storage of the data history, through graphic representation and download.

+ MANAGEMENT + CONNECTIVITY + INTEGRATION + OPTIMIZATION

One TEAM to rule them ALL

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SOLUTIONS

Refrigeration system



Control systems for industrial plants, supermarkets and autonomous groups.

Automation and process control



Monitoring and control of all types of facilities. We carry out electrical installations and custom panel design.

PLC & HMI



Extensive experience in the main brands in the market. Close treatment with the client adapting to their needs.

Study and analysis of supply quality



Advice and studies of electrical networks, analysis of quality of supply and solutions focused on avoiding problems in industries.

Electric engineering



Development and study of electrical engineering projects, as well as multidisciplinary ones, for all types of sectors.

Software programming



SCADA'S programming (We work with all manufacturers). In addition, we provide our own implementations and solutions made to measure.

Start up



Field commissioning. We rely on state-of-the-art tools and technologies to provide remote support, lowering the cost of travel.

Technical Support



Large multidisciplinary technical team capable of providing telephone support to our clients, as well as traveling on site to provide solutions to any problem that may arise. 365 days and 24/7*.

*Through maintenance contract guaranteeing response times.

ELECTRIC ENGINEERING

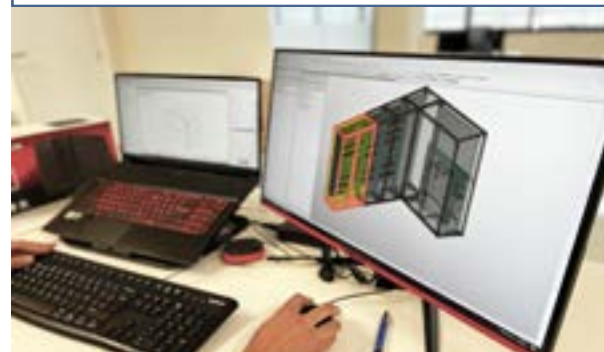
At **Vidal AC** we have an **electrical engineering department** for project design and construction management (both reforms and new works)

EPLAN P8



Engineering development through specific tools: EPLAN-P8 Electric.

Pro panel



Development of electrical panels. Always designed in 3D anticipating the final result from the beginning.

We **carry out turnkey** projects developing all its parts such as design, calculation, execution and administrative procedures to obtain aid, subsidies, tenders and legalizations.

Legalization



Procedures with Control Bodies and legalizations.

Advice and energy saving



We help companies manage their energy resources and implement actions to minimize the costs derived from mismanagement.

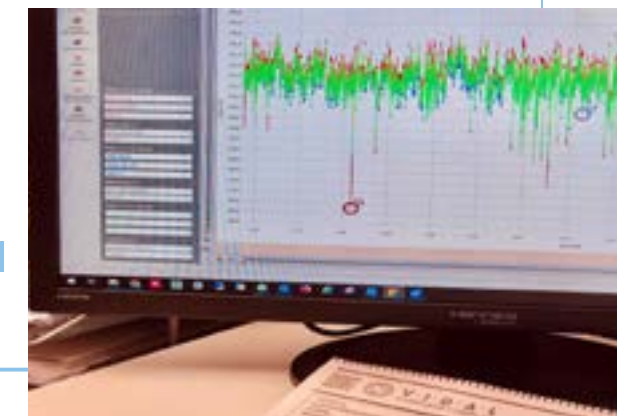
Electrical engineer



- ✓ Calculation of facilities
- ✓ Solution verification
- ✓ Regulatory compliance



We study the specifications of our clients and adapt the processes and needs to new technologies.



We base our advisory service on:

- ✓ Monitoring of electrical consumption and analysis of the energy profile of processes, facilities and industrial plants
- ✓ Optimization of energy costs
- ✓ Contract optimization
- ✓ Obtaining and exploitation of economic and energy data attributable to production or manufacturing processes

SOFTWARE PROGRAMMING

Our **programming and integration department** aims to offer our customers solutions tailored to their needs.

We offer **SCADA applications** with the possibility of communication with higher levels such as ERP, through OPC-UA drivers. We develop applications so that they can be used easily from tablets, mobile phones or web browsers.



3D SCADA



App Traceability

Our premises are:

- ✓ Open Source
- ✓ Agile and direct exchange of information
- ✓ Communications with local and remote systems

With this, the developments that we offer to our clients are born with wide possibilities of **adaptation and growth**. This way of implementing our technology in projects leads to cost reduction and allows adapting to future needs of the plant.

PLC & HMI

At **Vidal AC** we carry out the programming of **PLCs & HMI**.

Our main brands are: Siemens, Schneider, Omron, Rockwell... We carry out migrations of applications or lines based on discontinued PLCs and we execute new projects with **integrated solutions** for data pumping to the different current clouds.



We have extensive experience in the design and implementation of industrial networks for PLCs such as: Ethernet, Profibus, Mod Bus RTU, FIPIO, etc. Expansion of field buses and assistance to customers who have faults in their current communication buses.



STUDY AND ANALYSIS OF SUPPLY QUALITY

Our **electrical department** has experience in **resolving faults** related to network disturbances, electrical protection trips or poorly designed or executed ground systems. All this based on the standard UNE EN 50160.



We have an **audit team** that will analyze the quality of the electrical network and allow us to identify possible problems in the quality of the supply, either micro cuts, harmonics... and in general those factors that can affect the service of an installation causing untimely stoppages of processes, equipment failures or breakdowns. That cause great economic losses in the processes.



START UP

At **Vidal AC** we make available our **team of specialized technicians** in each field trained and qualified to offer the start-up service adapted to the needs of each project.

This is how the monitoring and control of the projects is completed from the study and design phase, which allows us to guarantee the **correct implementation** of our equipment in the facilities to which they are going to provide service.



TECHNICAL ASSISTANCE SERVICE

With the aim of guaranteeing the highest levels of satisfaction and user experience of our customers, we offer you the **technical assistance service**.

Our clients can choose between the two types of assistance:

Remote: advances in programming and communication applications and techniques have allowed us to develop and put immediate remote assistance at the service of our clients.

On-site: we make available to our clients the technical and human resources to carry out any assistance need at the client's facilities.



SERVICES

At **Vidal AC** we have a multidisciplinary team of technicians with proven training and capabilities to offer the best services for our clients' projects in different areas of the industry.

Industrial processes



Monitoring and control of all types of facilities. We carry out electrical installations and custom panel design.

Refrigeration systems



Control systems for industrial plants, supermarkets and autonomous groups.

INDUSTRIAL PROCESSES

Our extensive experience in control and monitoring of industrial processes allows us to successfully face projects in many sectors, among which we highlight:

Automotive



Naval



Pumps y ETAP's



Photovoltaic Energy



Nuclear



Industrial



REFRIGERATION SYSTEMS

Our **engineers** have extensive experience in the design, programming and commissioning of refrigeration installations and the use of the most common refrigerants in the industry, among which are:

NH3 facilities



- ✓ Direct ammonia refrigeration installation by pump
- ✓ Refrigeration installation by means of a water cooling plant with glycol
- ✓ Indirect refrigeration installation, using ammonia in the primary circuit and water with glycol or tempering in the secondary circuit
- ✓ Direct expansion refrigeration installation using refrigerants

Subcritical and transcritical FREON/CO2 installations



- ✓ Controlled atmosphere facility
- ✓ Process ventilation installation with air handling units
- ✓ Installation of air conditioning by VRV direct expansion systems and water systems with glycol
- ✓ Fluorine refrigeration installation
- ✓ Subcritical CO2 installation
- ✓ Transcritical CO2 installation

In addition, we have extensive experience in very diverse and specific sectors that allows us to offer concrete **solutions** and be **leaders** in developing projects in all fields, of which we highlight:

Fruit and vegetable



- ✓ Conservation chambers
- ✓ Ripening chambers
- ✓ Degreening chambers
- ✓ Drying chambers
- ✓ Controlled atmosphere chambers
- ✓ Air cooling systems
- ✓ Water cooling system
- ✓ Humidification and dehumidification systems

Meat



- ✓ Workshops
- ✓ Freezing tunnels
- ✓ Ripening chambers
- ✓ Air chambers
- ✓ Stabilization cameras
- ✓ Dryers
- ✓ Work rooms
- ✓ Blast chillers

Dairy



- ✓ Conservation chambers
- ✓ Milk cooling
- ✓ Cheese dryers

Fish and seafood



- ✓ Conservation chambers
- ✓ Defrost chambers
- ✓ Work rooms

REFRIGERATION SYSTEMS

IV and V Range



- ✓ Conservation chambers
- ✓ Frozen chambers
- ✓ Work rooms

Wine and oil



- ✓ Cellar air conditioning
- ✓ Cooling wine vats
- ✓ Deposit return

Logistics centers



- ✓ Frozen storage chambers
- ✓ Refrigeration chambers
- ✓ Refrigeration of picking rooms and docks
- ✓ Freezing tunnels

Other applications



- ✓ Pharmaceutical industry
- ✓ Clean rooms
- ✓ Chemical industry
- ✓ Injection and extrusion process

YOUR PROJECTS IN GOOD HANDS

Personalized advice and service



From the beginning of a project until its start-up, at VIDAL AC we work in continuous contact with our clients, offering the information and advice that allow us to arrive at the technological solution that best suits the requirements and needs.

Human capital

VIDAL AC has a multidisciplinary team of technicians with proven ability to respond to the needs that your project requires and who will know how to advise you in the different areas of it: study, technology, programming, design, manufacturing, commissioning and SAT.



Technical means

We have the necessary technical resources: software, machinery and tools; for the elaboration of electrical panels for the management of air conditioning, industrial and commercial cold, control and automation of processes that your project requires.



Quality control

Before each of our products is dispatched, the VIDAL AC engineers in charge of their monitoring submit the equipment to exhaustive tests to verify their correct operation, following the instructions in the operating manuals that have been approved by the client.



24/7 supervision

We put the latest technological advances at the service of our clients with the implementation of applications that allow remote supervision and control of equipment and facilities.



ABOUT US

Vidal AC was born in **2014** with the aim of creating a space together with the best electrical and engineering service companies in the country.

Vidal AC, has no borders. Our company carries out projects both **nationally** and **internationally**.

MISSION

We are a company committed to the economic and social progress of the countries in which it is present.
We encourage development, training and work-life balance measures for our employees; favoring a work environment and equality.

VISION

At Vidal AC we want to be an international benchmark in the automation and process control industry, both at a civil and industrial level. Thus participating in the development and sustainable improvement of the different sectors of the economy.

VALUES

- ✓ Dynamism and innovation
- ✓ Quality and excellence
- ✓ Customer orientation
- ✓ Respect for the environment
- ✓ Development of our human team.
- ✓ Social commitment

OUR TEAM



20%
Administration and
account management



20%
Electrical engineers



15%
Engineers
Programmers



5%
R&D
programmers



30%
Cabling
Specialists

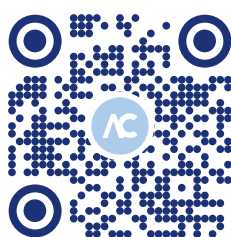


10%
Customer
Support

We seek to provide the client with a **solution** both in the design of the electrical panel and its integration, process programming and commissioning. In addition, we offer the possibility of having a **single interlocutor** who develops a **joint solution** for the entire project.



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