



®

**V · I · D · A · L**

**AUTOMATIZACIÓN Y CONTROL S.L.**

**Discover the reasons to  
entrust us with your projects**



# VICOM-X SYSTEM

## Energy savings and efficiency

Establish hourly rates to reduce energy consumption.  
Process optimization.



## Email alerts sending

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



## Communication

ModBus - RTU by RS-485  
ModBus - TCP Ethernet



## Remote access

The UBIQUITY application allows us to connect from any mobile device or PC.



## Data logger

Save temperature and set-point records



The main screen (HMI) allows a vision of the entire installation and the processes controlled.  
Control and configure:

- » Thermostats set-point.
- » Hourly rate bands for each month of the year
- » Download and save of historcal data, whit graphic representation.



**+ MANAGEMENT + CONNECTIVITY + INTEGRATION + OPTIMIZATION**

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# SOLUTIONS

## Refrigeration systems



Control systems for industrial plants, supermarkets and autonomous refrigeration units.

## Automation and process control



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

## PLC & HMI



Years of experience in main market brands. Communications with client and adaptions to needs.

## Study and analysis of supply quality



Technical advice and studies of electrical networks, supply quality analysis and solutions focused on avoiding industry problems.

## Electrical 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 custom solutions.

## Start up



Field commissioning. We rely on last generation tools and technology to provide remote support, lowering travel expenses.

## Technical Support



Our large multidisciplinary technical team is capable of providing telephone support to our clients, as well as on-site travel to provide solutions to any problem that may arise. 365 days and 24/7\*.

\*Through maintenance contract guaranteeing response times.

# ELECTRICAL ENGINEERING

At **Vidal AC** we have an **electrical engineering department** for project design and management (both renovation and manufacturing)

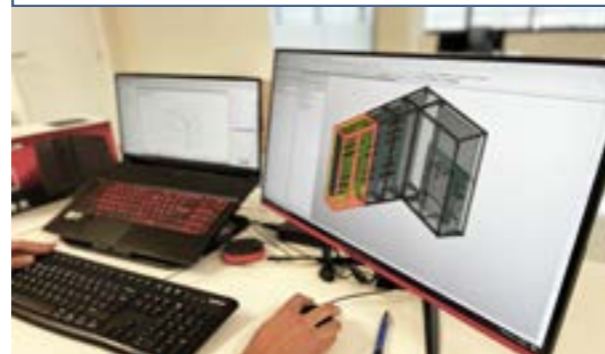
We **carry out turnkey** projects developing all its parts such as design, calculation, execution and administrative procedures to obtain grants, subsidies, tenders and legalizations.

## EPLAN P8



Engineering development using: EPLAN-P8 Electric.

## Pro panel



Cabinets are designed in 3D allowing a preview of the final result.

## Legalization



Procedures with regulatory 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 engineering



- ✓ Facility calculations
- ✓ Solution verification
- ✓ Regulatory compliance



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



We base our advisory service on:

- ✓ Monitoring of electrical consumption and energy profile analysis of processes, facilities and industrial plants
- ✓ Energy costs optimization.
- ✓ Contract optimization
- ✓ Adquisition and study of economical and energies consumption data due to production or manufacturing process.

# 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 that can be used easily from tablets, mobile phones or web browsers.



3D SCADA



App Traceability

Our premises are:

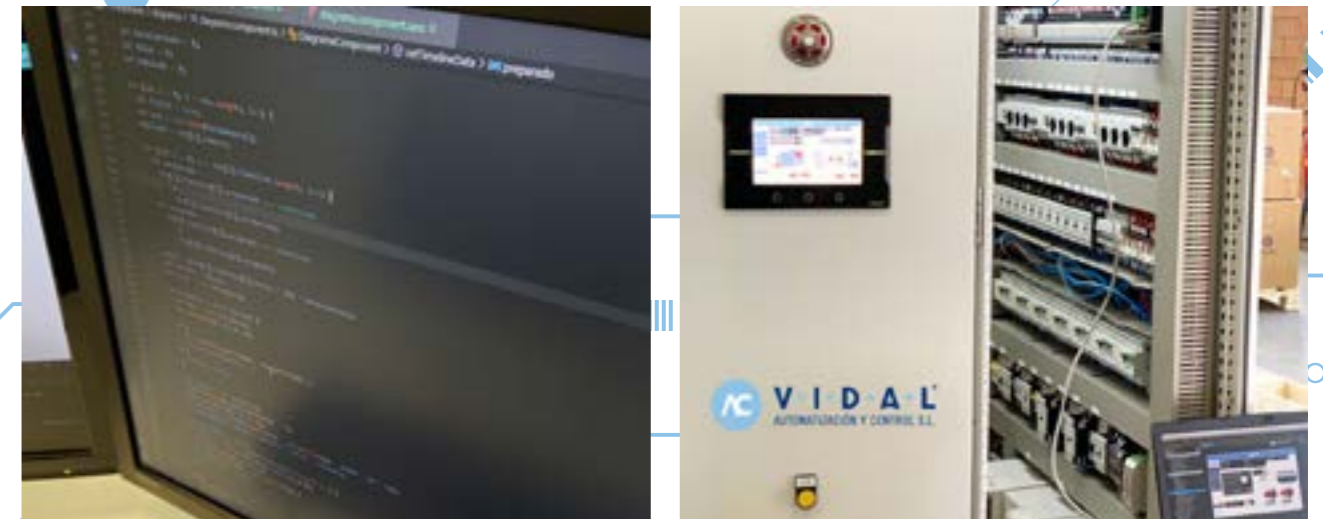
- ✓ Open Source
- ✓ Agile and direct information exchange
- ✓ Communications with local and remote systems

With this, the software offered to our clients is born with wide possibilities of **adaptation and growth**. This way of implementing our technology in projects leads to cost reduction and allows adaption to the future needs of your plant.

# PLC & HMI

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

Our main brands are: Siemens, Schneider, Mitsubishi, Omron, Rockwell... We renew your systems that use discontinued PLCs and we execute new projects with **integrated solutions** for data uploading to the cloud.



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



## STUDY AND ANALYSIS OF SUPPLY QUALITY

Our **electrical department** has experience in **resolving technical 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 identify possible problems in the supply quality, either micro power cuts, harmonics... and other factors that can affect the service of an installation causing unwanted stoppages of processes, equipment failures or breakdowns. These cause great economic losses.



## COMISSIONING

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 monitoring and control of the projects is completed from the study and design phase, this 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 satisfaction levels and user experience of our customers, we offer you **technical assistance service**.

Our clients can choose between two types of assistance:

**Remote:** advances in programming 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 industrial areas.

### 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 WTS'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 industrial refrigerants, highlighting:

## NH3 facilities



- ✓ Direct pumping ammonia refrigeration installation.
- ✓ Refrigeration installation with water-glycol cooling plant
- ✓ 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 chambers
- ✓ 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 tank
- ✔ 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 technological solutions that best suit the requirements and needs.

## Dedicated Team

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 different areas: study, technology, programming, design, manufacturing, commissioning and technical service.



## Technical means

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



## Quality control

Before each of our products is dispatched, our engineers in charge of monitoring submit the equipment to exhaustive tests to verify their correct operation, following the operating instructions 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 for itself alongside 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 we work. We encourage development, training and work-life balance measures for our employees; favoring a positive 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



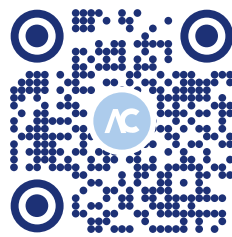
**10%**  
Customer  
Support

We seek to provide the client with **solutions** both in the design of electrical panels; their integration, process programming and commissioning. In addition, we offer the possibility of having a **single contact person** who helps develop a **joint solution** for the entire project.



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