



V · I · D · A · L[®]
AUTOMATIZACIÓN Y CONTROL S.L.

2026 Brochure

Services and Solutions in Automation, Control and Engineering

**Innovation and expertise driving a more
efficient, connected, and sustainable industry**

vidal-ac.es

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About Us

Since its establishment in 2014, Vidal Automatización y Control, S.L. (Vidal AC) has become a leading engineering company specializing in the **design and development of comprehensive solutions for automation, industrial control, electrical engineering, and energy efficiency.**

Our work combines technical expertise, deep industry knowledge, and a strong commitment to innovation.

At Vidal AC, we consistently work to ensure that technology and energy become tools for progress, productivity, and sustainability.



Shaping the Future of Engineering

Our vision is to become a benchmark at both the national and international levels in **process automation and control**, actively contributing to the sustainable development of the industry.

We promote an engineering approach that is close, efficient, and responsible—combining technical precision with customer focus and respect for the environment.

Mision

To promote the economic and social progress of the communities in which we operate, by developing projects that improve productivity and energy efficiency.

Values

Dynamism and innovation, quality and excellence in customer orientation, environmental responsibility, human talent development, and social commitment.

Sustainable Commitment

Sustainability is incorporated into every step of our work process. We are committed to efficiency, environmental responsibility, and the circular economy, and we take specific actions that reflects this commitment.



Certified clean energy: we use only **electricity from 100% renewable sources**, reducing our carbon footprint.

Circular economy: **70% of the plastic and 100% of the pallets** used in our packaging come from recycled material.

Responsible waste management: we apply **selective collection and certified treatment** through authorized waste management providers.



Lines of Business

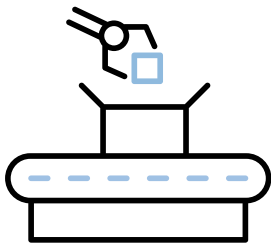
Comprehensive engineering for a more connected and efficient industry

We understand engineering as a comprehensive process where energy, automation, and technology come together. For this reason, we structure our activity into **three complementary business lines** that allow us to cover every phase of a project: from electrical system design and control panel manufacturing to full digitalization and supervision of industrial processes.

Each of these areas combines technical expertise with applied innovation; creating a seamless flow between hardware, software, and data. This integrated approach makes us a technological partner capable of offering **360° solutions tailored to the needs of each client** and industry.

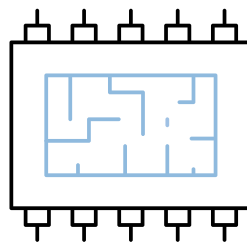
The three areas that define our activity:

Automation and control of industrial processes



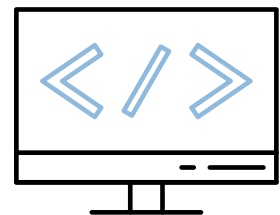
Engineering and manufacturing of electrical panels and control systems for the automation of industrial plants and facilities.

Electrical and energy engineering and consulting



Design, analysis, and optimization of electrical installations, with a strong focus on efficiency, reliability, and sustainability.

Industrial software engineering and intelligent systems



Development of digital solutions, PLC, HMI, SCADA/MES systems, and integration with corporate and Cloud platforms.

Three lines, one vision: **efficiency, connectivity, and sustainability** at the service of industry.

Automation and control of industrial processes

From electrical panel design to commissioning: precision, reliability, and energy efficiency

We see automation as the backbone of industrial progress. Our experience in the **design, manufacturing, and integration of intelligent electrical panels** allows us to deliver tailored solutions for every type of installation, from small production lines to full-scale plants.

We combine electrical engineering, instrumentation, and commercial electronics to create robust, efficient, and scalable control systems. Each project is executed with strict criteria of safety, efficiency, and operational continuity, ensuring optimal equipment performance and responsible energy management.

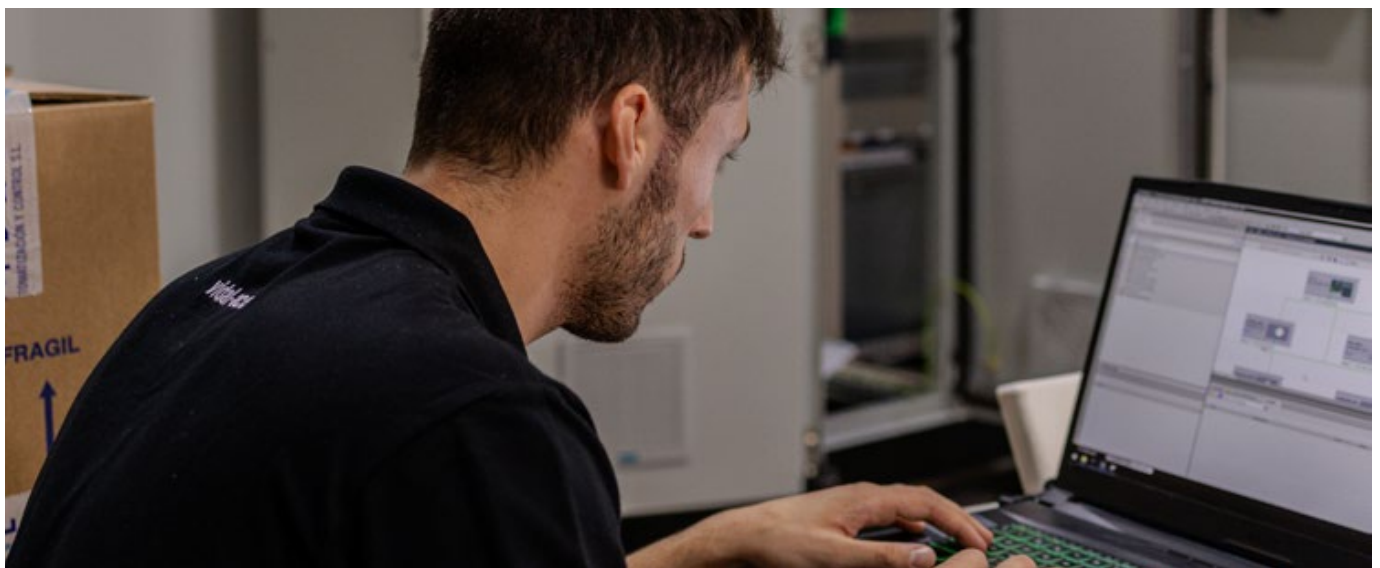
PLC, HMI & SCADA

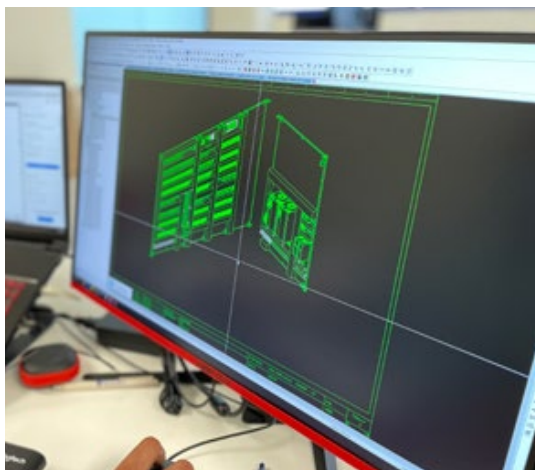
The integration of controllers, interfaces, and supervision systems, together with IIoT solutions, is carried out in collaboration with our industrial software division, ensuring a complete and fully connected solution.

Commissioning and Technical Support (TAS)

Our technical team offers performs and supports both on-site and remote commissioning (tailoring to the client's needs), ensuring the proper operation and reliability of every installation.

We offer a **24/7 after-sales service**, with response times under 12 hours and both national and international coverage.





Electrical panel engineering and design

We design electrical panels for industrial process control and automation with a comprehensive approach. We use advanced design tools, including 3D CAD specialized in electrical engineering, which allow us to anticipate the final result and optimize the manufacturing process—ensuring precision, traceability, and regulatory compliance.

Our projects are developed in accordance with applicable standards, guaranteeing safety, compliance, and efficiency.

Manufacturing and quality

Our facilities are equipped with automated machining, cutting, and wiring systems that ensure precision, traceability, and excellence in the final quality.

Each panel undergoes functional tests and FAT inspections before delivery, verifying component traceability and design compliance.

Electronic integration and instrumentation

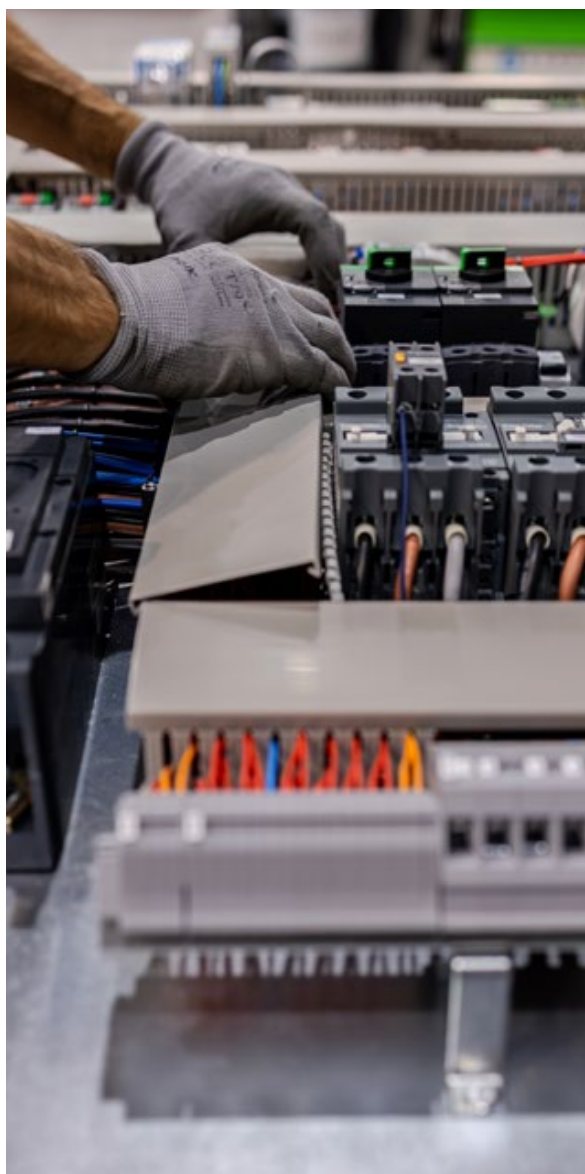
We incorporate commercial electronics, instrumentation, and measurement systems from the leading brands in the market, carefully selected for their reliability and guaranteed after-sales support.

We design the full integration: drives, starters, sensors, protection systems, and power control equipment.

Industrial networks and connectivity

We implement and diagnose industrial networks such as Ethernet/IP, Profinet, Profibus, and Modbus (RTU/TCP) at both national and international levels.

We offer **secure remote-access solutions** for diagnostics and maintenance, including network segmentation and industrial gateways.



Electrical and Energy Engineering and Consulting

Technical solutions for a safer, more efficient, and more sustainable industry

Engineering at the service of productivity and industrial sustainability.

We understand engineering as a fundamental pillar of productivity. We develop projects that combine technical expertise, strict regulatory compliance, and a clear focus on efficiency.

We take a comprehensive approach, integrating consulting, auditing, maintenance, and training to help companies enhance their electrical and energy performance without compromising sustainability.

Projects

We develop **turnkey projects** and solutions that cover the design, calculation, processing, and certification of electrical installations.

We handle procedures with Authorized Control Bodies, public tenders, and the processing of energy-related grants and subsidies.

Auditing and efficiency

We evaluate the energy performance of industrial facilities, identifying opportunities for improvement and cost reductions.

We carry out load profile analysis, optimization of contracts and electricity tariffs, and energy-saving plans.

Power supply quality

We analyze electrical networks according to standards, identifying disturbances, harmonics, or temporary outages that affect productivity.

We propose corrective measures and continuous monitoring systems.





*Our goal is to provide solutions that **reduce consumption, increase reliability, and extend the service life** of installations.*

Process engineering

We provide consulting in process efficiency and automation, helping to digitalize operations through integrated technologies.

Technical training

Specialized training for maintenance and operations teams, ensuring client autonomy.

Mantenimiento técnico y predictivo

Preventive maintenance plans, thermography, torque control, and periodic monitoring of the installation's condition. Technical reports and tailored recommendations..



Industrial Software Engineering and Intelligent Systems

Data intelligence applied to industrial automation

We develop industrial software and intelligent systems that integrate control, supervision, and analytics into a single platform with the support of AI systems and models.

Our digital solutions transform data into knowledge, facilitating decision-making and continuous improvement.

From **PLC and HMI programming** to the development of **SCADA systems**, **MES (Manufacturing Execution System)**, and **ERP integration**, we provide tools that enable our clients to **manage their production in a more agile, secure, and efficient way**.

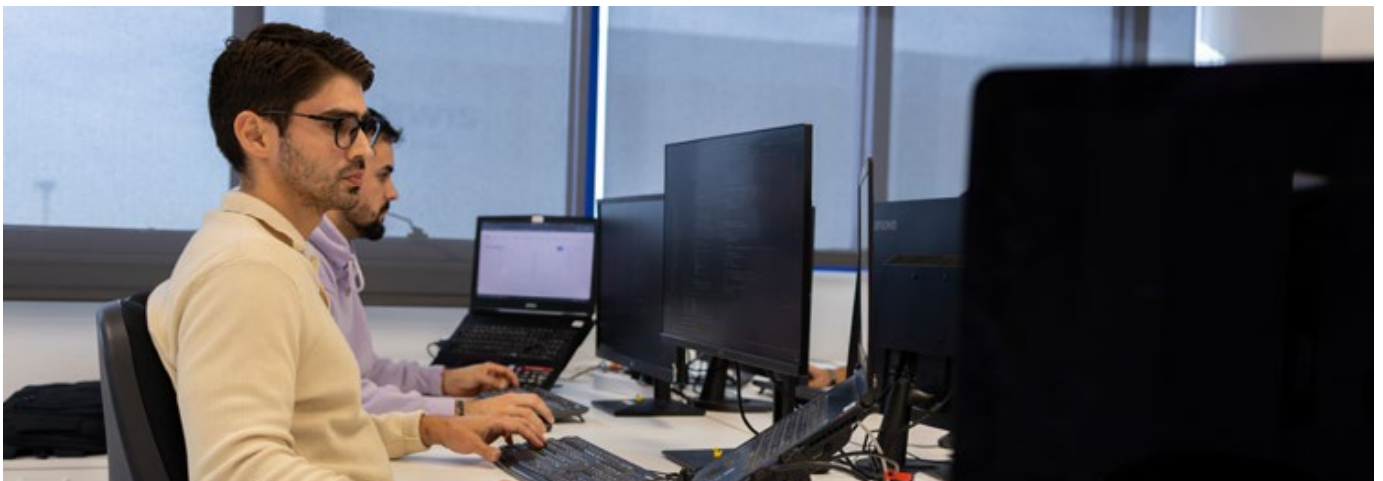
○ PLC and HMI programming

We develop control solutions tailored to each process using PLCs and HMIs from the leading manufacturers in the market. We carry out **system migrations and/or retrofits of existing installations**, and we create **standardized libraries that facilitate the maintenance** and future evolution of your plant.

SCADA Systems

We design scalable SCADA systems, with local or remote access, that allow **real-time monitoring of production, alarms, historical data, and plant status**.

Compatible with both on-premise and cloud environments, our developments integrate with ERP, MES, or corporate databases.



Custom industrial software development

Our software engineering team develops **customized tailored applications** for the management, control, and analytics of industrial data. We create web or desktop environments based on Microsoft, RedHat, and open-source technologies, ensuring compatibility, security, and scalability.

MES Systems

We develop **MES systems** for production monitoring, OEE (Overall Equipment Effectiveness) calculation, traceability, and integration with ERP systems.

We offer solutions for shop-floor data capture and real-time dashboard visualization.

Solutions by Vidal AC

We have tools and solutions developed by Vidal AC, such as monitoring platforms, alarms, and remote control systems, specifically designed for industrial environments.

These solutions combine proprietary software and hardware to offer flexibility, reliability, and full support.

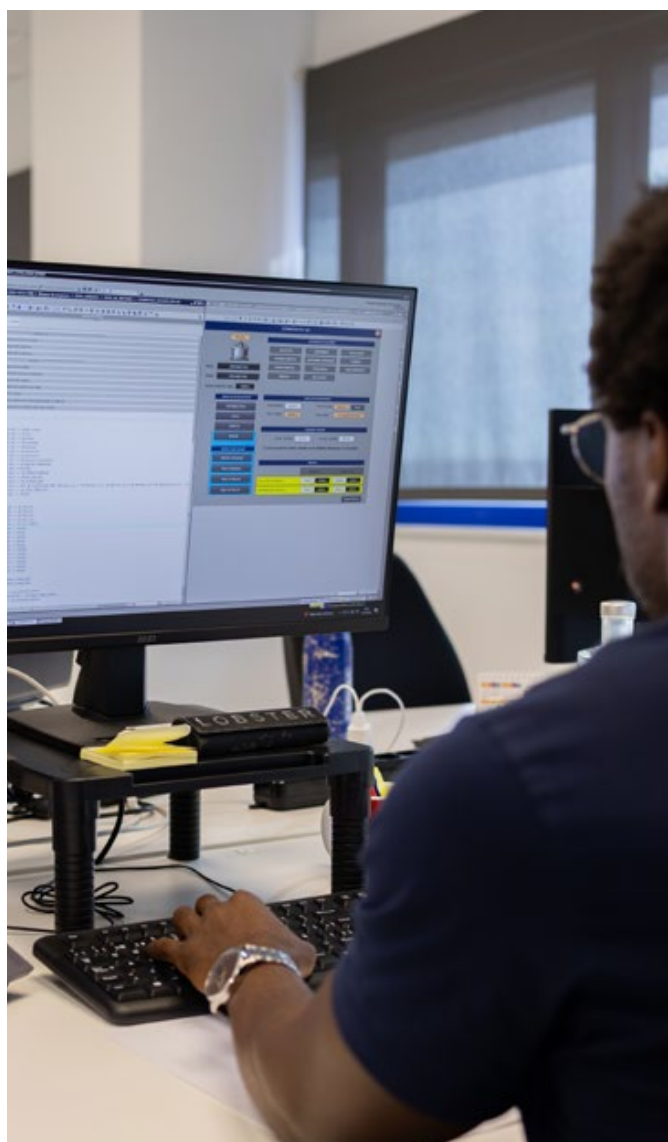
Data integration and analytics

We centralize operational, energy, and production data, generating automatic reports and integrations with **Power BI** and other analytical tools.

Industrial cybersecurity

We apply network segmentation policies, secure authentication, encrypted communications, and access control.

Our solutions comply with OT security best practices.



Fields of application

Global solutions for all areas of industry

From electrical design and automation to full process digitalization.

At Vidal AC, we apply our engineering expertise across a wide range of industries, combining **automation, energy, and industrial software** to deliver efficient, safe, and sustainable solutions.

Our multidisciplinary expertise and adaptability enable us to take on projects in any environment with the same technical reliability and results-driven approach.



Water treatment and environmental management

Control of pumping systems, water treatment, and remote monitoring of hydraulic networks with secure supervision.

Agri-food and Process

Automation of production lines, packaging, climate control, and quality control with full traceability.



Manufacturing, automotive, and logistics

Control of assembly lines and automated distribution systems, predictive maintenance, and traceability through MES platforms.

Industrial Refrigeration, HVAC, and Logistics

Integrated management of chambers, tunnels, and ventilation systems, with real-time alarms and critical parameters.

Infrastructure and civil engineering

Electrical and control projects for public and industrial facilities, with centralized systems for HVAC, lighting, and security.

Energy and self-consumption

Electrical projects and management systems for solar, biogas, and cogeneration plants, with monitoring of consumption and power quality.

Pharmaceutical, chemical, and cosmetic industries

Control de procesos en entornos regulados, salas blancas y sistemas validados compatibles con normas GMP y FDA.

High-tech and aerospace

Solutions for test benches, calibration systems, and critical process control, featuring advanced instrumentation and OT cybersecurity.

A technology partner for any sector

The wide variety of projects we develop allows us to maintain a broad, cross-industry perspective. Each sector presents its own challenges, and in all of them we deliver the same value: expertise, innovation, and sustainable efficiency.

Work Methodology

From concept to completion: *engineering that supports you at every stage of the project*

Structured processes, constant communication, and quality control at every stage.

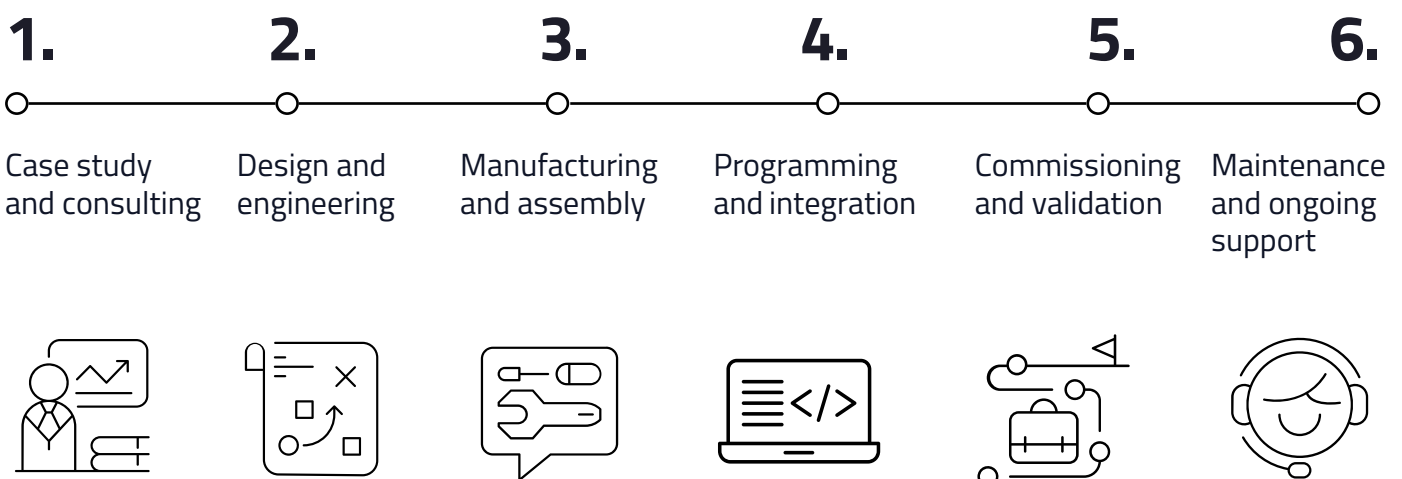
We know that every industrial project is unique, yet they all share a common goal: achieving the highest levels of efficiency, reliability, and safety.

Our approach blends **technical expertise, careful planning, and ongoing communication** with our clients, ensuring that every solution is tailored precisely to the facility and its operating environment.

Over the years, we've refined a working model that **brings engineering, manufacturing, programming, and technical support together** under a single project management framework. The result is smoother processes, complete documentation, and solutions designed to evolve over time.

A structured and monitored process

Our methodology is built on **six key phases**, each internally audited and fully documented from start to finish. Every phase is adapted to the complexity of the project and carried out according to strict quality, safety, and energy-efficiency standards.

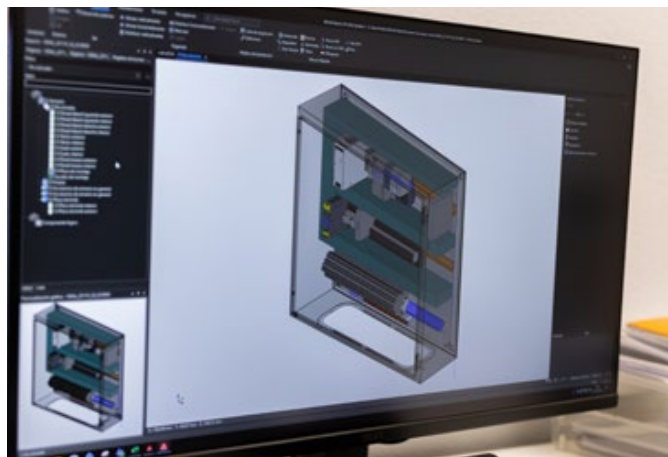


1. Case study and consulting



- We listen and analyze to fully comprehend the client's production process.
- We carry out an initial technical assessment to identify improvement opportunities, optimize resources, and define the project's objectives.
- At this stage, we establish the requirements, timelines, and design criteria.

2. Design and engineering



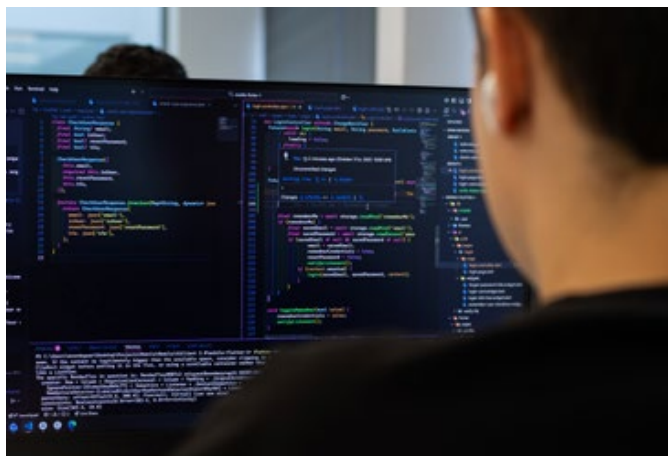
- Our engineers use professional tools like electrical 3D CAD, SCADA, and MES platforms to develop the electrical, control, and software designs.
- Each project includes complete technical documentation, drawings, calculations, bills of materials, and regulatory specifications.
- The preliminary design validation ensures a development process free from deviations and uncertainties.

3. Manufacturing and assembly



- We manufacture electrical panels and assemblies in our facilities, using automated machining, cutting, and wiring processes.
- All assembly work follows internal quality-control protocols and conformity checks to ensure compliance with the design specifications.
- The results of every quality test are documented to guarantee full traceability of the equipment.

4. Programming and integration



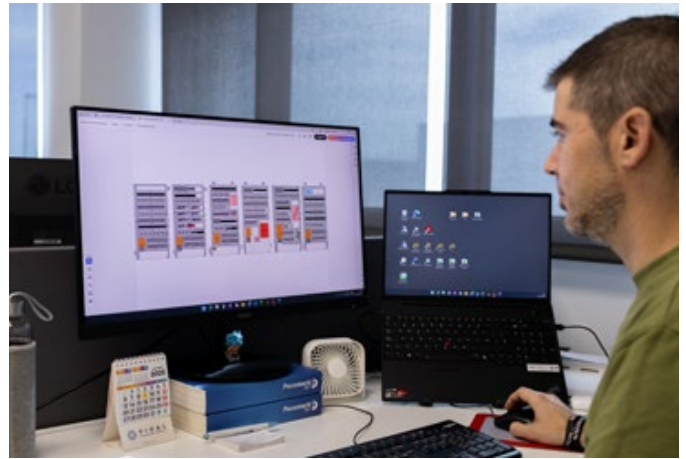
- Our software engineering team develops the control, monitoring, and communication applications that integrate the hardware with the operating environment.
- Every PLC, HMI, or SCADA program is validated in a test environment before being deployed on-site.
- This stage also includes coordinating industrial communications, connecting to higher-level systems (ERP, MES, Cloud), and implementing OT security functions.

5. Commissioning and validation



- The installation is commissioned and tested under real operating conditions.
- Vidal AC technicians verify the system's functionality, safety, and energy efficiency, ensuring that the final result meets the agreed specifications.
- At this stage, manuals, diagrams, and user documentation are delivered, along with initial training for the operating personnel.

6. Maintenance and ongoing support



- Our continuous technical service ensures remote or on-site support, with response times of less than 12 hours.
- We perform periodic inspections, software updates, and preventive audits to ensure system availability and continuity.
- This long-term support is the foundation of our relationship with clients: an ongoing technical partnership focused on continuous improvement.

Total integration: engineering, software and support

Our methodology does more than structure the work; it brings together people, tools, and expertise into a single operational flow.

Design, automation, and digitalization are not separate processes, but parts of one unified vision: delivering solutions that connect energy, control, and information.

"Every Vidal AC project is the result of planned, verified, and customer-focused engineering."

Featured Products

Innovation developed by Vidal AC

At Vidal AC, we design and integrate our **own hardware and software solutions** that optimize control, monitoring, and energy management in industrial processes. All of them share the same purpose: robustness, compatibility, and continuous improvement.

ViControl

IIoT supervision platform.

It allows **real-time monitoring of installations and processes, as well as viewing alarms and historical data** from any device.

Functions:

variable monitoring, automatic notifications, and web, mobile, or tablet access.



ViCom-X

Smart connectivity gateway for industrial installations.

It allows you to view the status of the installation from an HMI, configure thermostats, manage time-of-use tariffs, and store historical data. Compatible with Modbus RTU and Modbus TCP/Ethernet.



Vidal AC connected controllers

Electronic equipment for **industrial and refrigeration control**.

Designed for reliability and precision, with a compact form factor and Modbus RTU/TCP compatibility. Fully integrable with ViControl and ViCom-X..



ViPower

Smart energy and power-quality management.

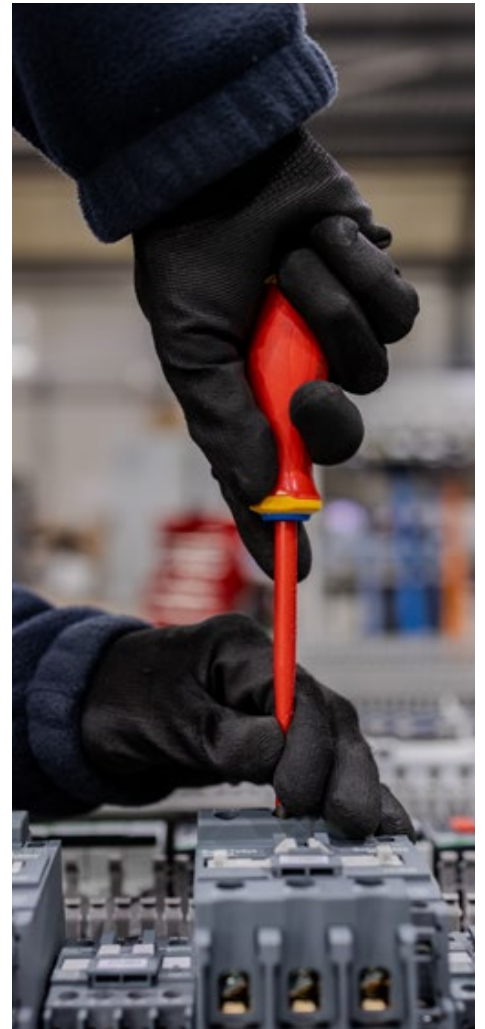
It **measures, analyzes, and optimizes electricity, gas, or water consumption**, generating automatic efficiency reports.

Functions: real-time measurement, alarms, and historical data logging.



Commitment to Quality and Sustainability

Quality, safety and environmental responsibility as the core of our engineering



○ At Vidal AC, quality and sustainability are an inseparable part of how we understand engineering.

We work with **technical precision and environmental responsibility** to deliver solutions that are **long-lasting, safe, and efficient**.

Our commitment extends both to our internal processes and to the solutions we develop for our clients, actively contributing to a more responsible and sustainable industry.

Quality and ongoing improvement

At Vidal AC, quality and sustainability are an inseparable part of how we approach engineering.

We work with engineering rigor and environmental responsibility to deliver solutions that are long-lasting, safe, and efficient.

Our commitment extends to both our internal processes and the solutions we develop for our clients, actively contributing to a more responsible and sustainable industry.

Key principles of our quality system:

- Technical verification of all projects
- Traceability of materials and components
- Functional validation through FAT and SAT testing
- Comprehensive and up-to-date documentation
- Constant communication with the client

Safety and technical responsibility

Industrial and electrical safety is a cross-cutting priority.

Our solutions comply with the main safety and electrical design standards, as well as industrial cybersecurity requirements for OT/IT environments.

We continuously train our teams to ensure the correct implementation of these standards and to promote a culture of active prevention.

In addition, our projects are designed to enhance the safety of our clients' own facilities by integrating protection systems, monitoring tools, and preventive control measures.

Social responsibility and workforce development

People are the driving force behind our company.

We promote a work environment based on equal opportunities, safety, and continuous training.

We foster work-life balance, career development, and the active collaboration of our global teams to innovation and continuous process improvement.

At Vidal AC, we believe that true sustainability starts with social responsibility.

Engineering with purpose

Our commitment goes beyond project delivery.

We are invested in the future of industry and the planet, driving efficiency, digitalization, and environmental responsibility.

Because true innovation means more than technical progress; it's about working responsibly and sustainably, with a human-centered approach.

Sustainability and environmental efficiency

Sustainability is not an add-on; it's integral to our engineering.

All the electricity used in our facilities comes from **100% certified renewable sources**, directly reducing our carbon footprint.

We have implemented a **circular economy model** in our packaging and manufacturing processes:

Packaging made from recycled materials

Separation and selective waste management through authorized handlers

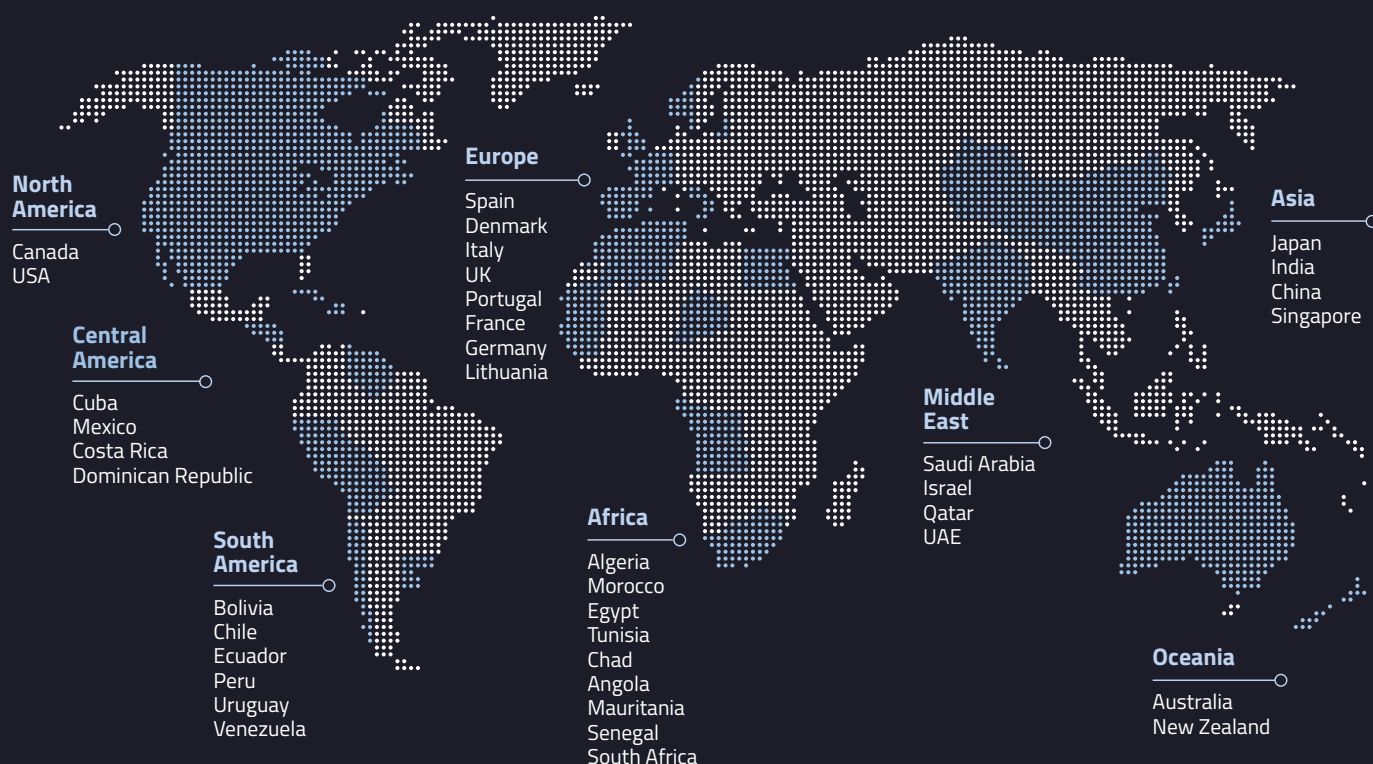
Optimization of paper and office material use through internal digital processes

In addition, our projects are designed to promote energy efficiency in our clients' facilities, encouraging a more rational use of resources.





Technology connects the world. We make it possible



5 Céfiro St.
Industrial Park Los
Vientos
46119 - Nàquera
Valencia (Spain)

+34 960 70 41 69
vidal-ac@vidal-ac.es
vidal-ac.es

