

Product portfolio



The quality of the products designed, manufactured and installed by Ormazabal is backed by the implementation and certification of a quality management system, based on international Standard ISO 9001.

Our commitment to the environment is reaffirmed with the implementation and certification of an environmental management system as laid down in international standard ISO 14001.

In view of the constant evolution in standards and design, the characteristics of the elements contained in this catalogue are subject to change without prior notice.

These characteristics, as well as the availability of components, are subject to confirmation by Ormazabal.

Contents

Our solutions

Main benefits

Our products

Fluorinated gas-free solutions	p. 8
Primary distribution	p. 8
Secondary distribution	p. 9
Primary distribution cubicles	p. 10
Secondary distribution cubicles	p. 12
Protection and automation	p. 14
Transformers	p. 16
Prefabricated substations	p. 18
Low-voltage boards	p. 20
Digital transformer substations	p. 2



Our solutions



Energy generation and distribution substations



Connection and transformer substations



Main benefits

- Digitisation
- Efficiency
- Safety and reliability
- Sustainability

Our products



SF6-free solutions



Transformers



Primary distribution cubicles



Prefabricated substations



Secondary distribution cubicles



Low-voltage boards



Protection and automation



Digital transformer substations

Fluorinated gas-free solutions

Primary distribution

sbp.zero24

Fully insulated fluorinated gas-free cubicle up to 24 kV.



Secondary distribution

cgm.zero24

Fully insulated fluorinated gas-free cubicle up to 24 kV.



Main characteristics

- Up to 24 kV / 630 A / 20 kA
- Full insulation (GIS)
- Automation-ready

Requirements

- Industrial natural air
- Compact dimensions
- Fully tested, enhanced blowing technology
- Filling pressure = 1.5 bar abs.
- Digital native



zero changes

zero doubts

more sustainability for your electrical network

Primary distribution cubicles

cpg.0 lite

Gas-filled single busbar modular cubicles up to 24 kV.



Technical data

- Rated voltage up to 24 kV
- Rated current in main busbar/outgoing line up to 2000 A
- Short-circuit current up to 25 kA (1-3 s)
- Internal arc classification IAC AFL(R) 25 kA 1 s
- Standards and certifications:IEC

cpg.0

Gas-filled single busbar modular cubicles up to 40.5 kV.



Technical data

- Rated voltage up to 38 kV (IEEE) / 40.5 kV (IEC)
- Rated current in main busbar/outgoing line up to 2500 A
- Short-circuit current up to 31.5 kA (1-3 s)
- Internal arc classification
 IAC AFL(R) 25 / 31.5 kA 1 s
- Standards and certifications:

IEC IEEE

ENA

cpg.1

Gas-filled double busbar modular cubicles up to 36 kV.



Technical data

- Rated voltage up to 36 kV
- Rated current in main busbar/outgoing line up to 2000 A
- Short-circuit current up to 31.5 kA (1-3 s)
- Internal arc classification
 IAC AFL(R) 25 / 31.5 kA 1 s
- Standards and certifications:IEC

Secondary distribution cubicles

cgmcosmos

Gas-filled compact modular cubicles up to 24 kV / 27 kV.



Technical data

- Rated voltage up to 24 kV (IEC) / 27 kV (IEEE)
- Rated current up to 630 A
- Short-circuit current up to 25 kA (1-3 s)
- Internal arc classification IAC AFL(R) up to 25 kA 1 s
- Outdoor option
- High corrosion resistance HCR option
- Standards and certifications:

IEC

IEEE

HN

ga/gae630

Gas-filled compact modular cubicles up to 24 kV.



Technical data

- Rated voltage up to 24 kV
- Rated current up to 630 A
- Short-circuit current 20 kA (1-3 s)
- Internal arc classification IAC AFL(R) 20 kA 1 s
- Standards and certifications: IEC

GB

cgm.3

Gas-filled compact modular cubicles up to 40.5 kV.



Technical data

- Rated voltage up to 38 kV (IEEE) / 40.5 kV (IEC)
- Rated current up to 630 A
- Short-circuit current up to 25 kA (1-3 s)
- Internal arc classification:
 IAC AFL(R) up to 25 kA 1 s
- Outdoor option
- High corrosion resistance HCR option
- Standards and certifications:

IEC

IEEE

ENA

GB

cgm.800

Gas-filled modular cubicles up to 36 kV /38 kV.



Technical data

- Rated voltage up to 36 kV (IEC) / 38 kV (IEEE)
- Rated current up to 800 A
- Short-circuit current up to 25 kA (1-3 s)
- Internal arc classification
 IAC AFL(R) up to 25 kA 1 s
- Outdoor option
- High corrosion resistance HCR option
- Standards and certifications:

IEC

IEEE

ENA

Protection and automation

Extensive range of integrated equipment associated with Ormazabal products, with protection, control and automation functions to meet the needs of the electrical network.



Voltage sensing units

Voltage presence/absence sensing system, with the option to include high-frequency outputs for measuring signals associated with partial discharges.

Voltage and current sensors

Toroidal current sensors and capacitive and resistive voltage sensors for protection and monitoring.



Protection, metering and control units

Multifunction protection, including control and metering (with self-powering option).



Medium and Lowvoltage control and automation units

Remote control and automation of the medium and low-voltage network.



Software

Configuration tools for ekorsys family protection, control and metering units.

Transformers

Electrical distribution applications

Transformers for connection and transformer substations.



Technical data

- Power from 50kVA up to 3150 kVA
- Primary voltage up to 36 kV
- Secondary voltage adapted to the distribution network
- Standards and certifications:
 IEC
 IEEE
 Regulation (EU) 548/2014
 HN/ST



transforma.smart

Transformers with on-load tapchangers (OLTC) and ekor.tsm control unit.

Technical data

- Power: from 250 kVA up to 2000 kVA
- Primary voltage up to 36 kV
- Secondary voltage adapted to distribution network
- On-load tap changer (OLTC) with vacuum switching technology and 9 taps
- Scalable ekor.tsm control unit: from standalone type through to communicable
- Standards and certifications: IEC

Power applications

Transformers for power generation and distribution substations.



Technical data

- Power: up to 10 MVA
- Primary voltage: up to 72.5 kV
- Standards and certifications:
 IEC
 Regulation (EU) 548/2014
 HN/ST

Special applications

Transformers designed for specific needs.



Applications

- Green mobility: electric vehicles, high-voltage shore connection systems, railway and metro
- Green generation & storage
- Sustainable buildings & infrastructure: data centres, industry and specialist machinery (engines, pumps, cranes, etc.).

















Prefabricated substations

Transformer substations





General characteristics

- Ground level or underground
- Reinforced prefabricated concrete monoblock enclosure
- Walk-in
- Different configurations: transformer, medium-voltage switchgear, low-voltage board
- Standards and certifications:
 IEC
 Specific regulations of the Utility Company
 Local regulations

Kiosk-type compact prefabricated transformer substations





General characteristics

- Ground level or half-buried
- Reinforced prefabricated concrete or metal enclosure
- Walk-in and non-walk-in
- Compact switchgear assemblies
- Different configurations: transformer, medium-voltage switchgear, low-voltage board
- Standards and certifications:
 IEC
 Specific regulations of the Utility Company
 Local regulations

Switching substations





General characteristics

- Ground level
- Reinforced prefabricated concrete or metal enclosure
- Non-walk-in
- Medium-voltage switchgear
- Standards and certifications:

Specific regulations of the Utility Company Local regulations

Low-voltage boards

Advanced low-voltage distribution board with insulated busbar. Different models available depending on monitoring, control and automation for resource management and low-voltage network efficiency.



addibo.compact

For outdoor switching stations, up to 3 fuse-protected outputs.



addibo.urban

For indoor switching stations, up to 8 outputs protected by fuses and a main switch-disconnector. Also with the option of incorporating advanced supervision.



addibo.smart

For indoor switching stations, up to 8 outputs protected with circuit-breakers and a main switch-disconnector. Advanced monitoring, automation and control included.

Technical data

U _e	[V]	440
U_{imp}	[kV]	20
l _e	[A]	400-1600
I _{cw}	[kA]	up to 25
l _{arc}	[kA/2 s]	up to 25

Digital transformer substations

The answer to all the demands of the distribution network.



Digital native

 Integrated automation, metering, protection and remote-control systems with guaranteed cybersecurity

Plug&play solution

 Factory-prepared for easy installation and minimal on-site intervention

Sustainability

Fluorinated gas-free cubicles, insulated with industrial natural air

Characteristics:

- MV network automation
- Monitoring and automation of the LV network
- Line voltage stability
- Management of all system resources

Benefits

- Network observability
- Improved operation, efficiency and supply quality
- Increased security, optimised network capacity and improved service continuity



Technology for a new electric world

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More info

