Pine

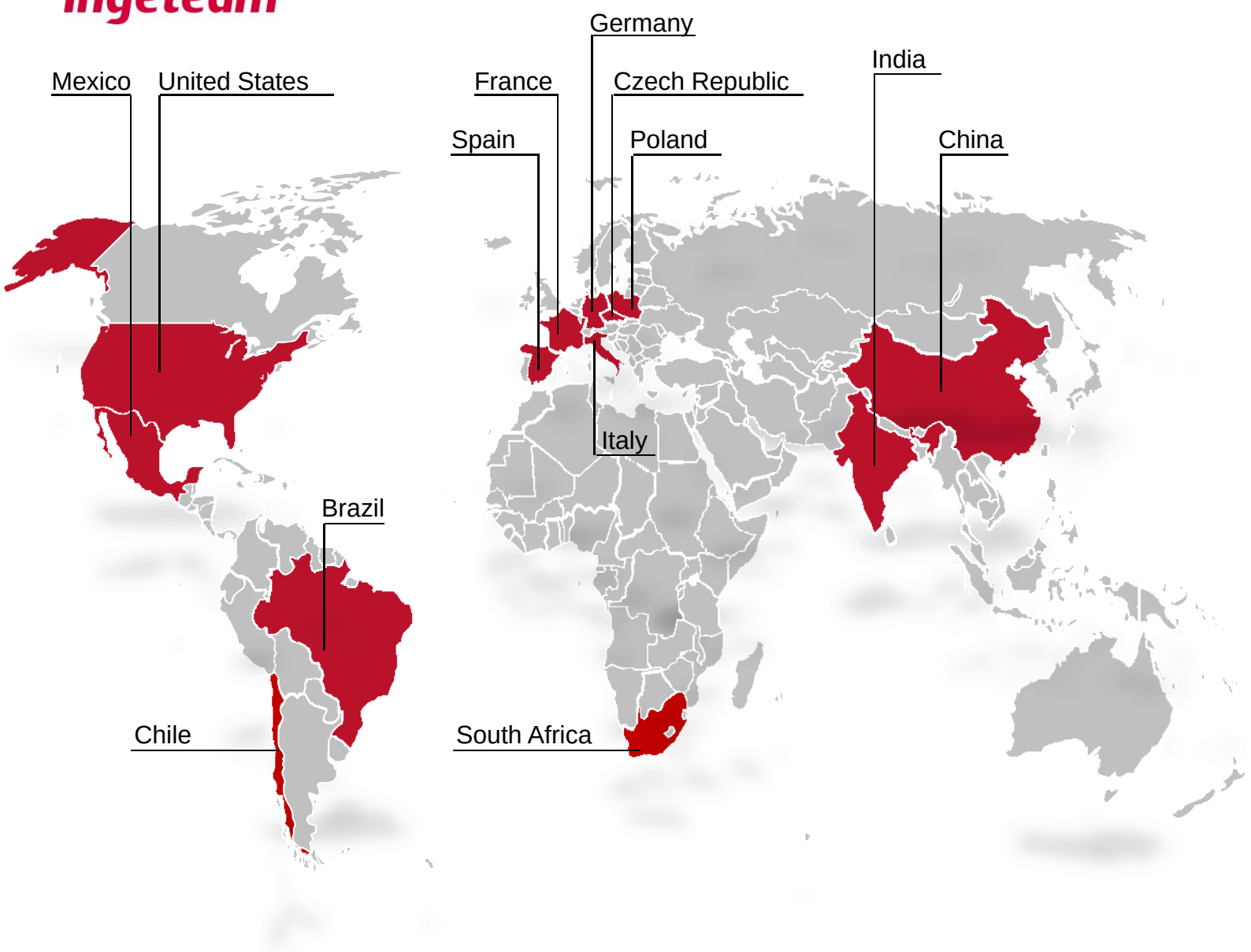
INSTALACIONES Y MONTAJES, S.A.

An Ingeteam brand

INTERNATIONAL PRESENCE

Pine
An Ingeteam brand

Ingeteam



Pine
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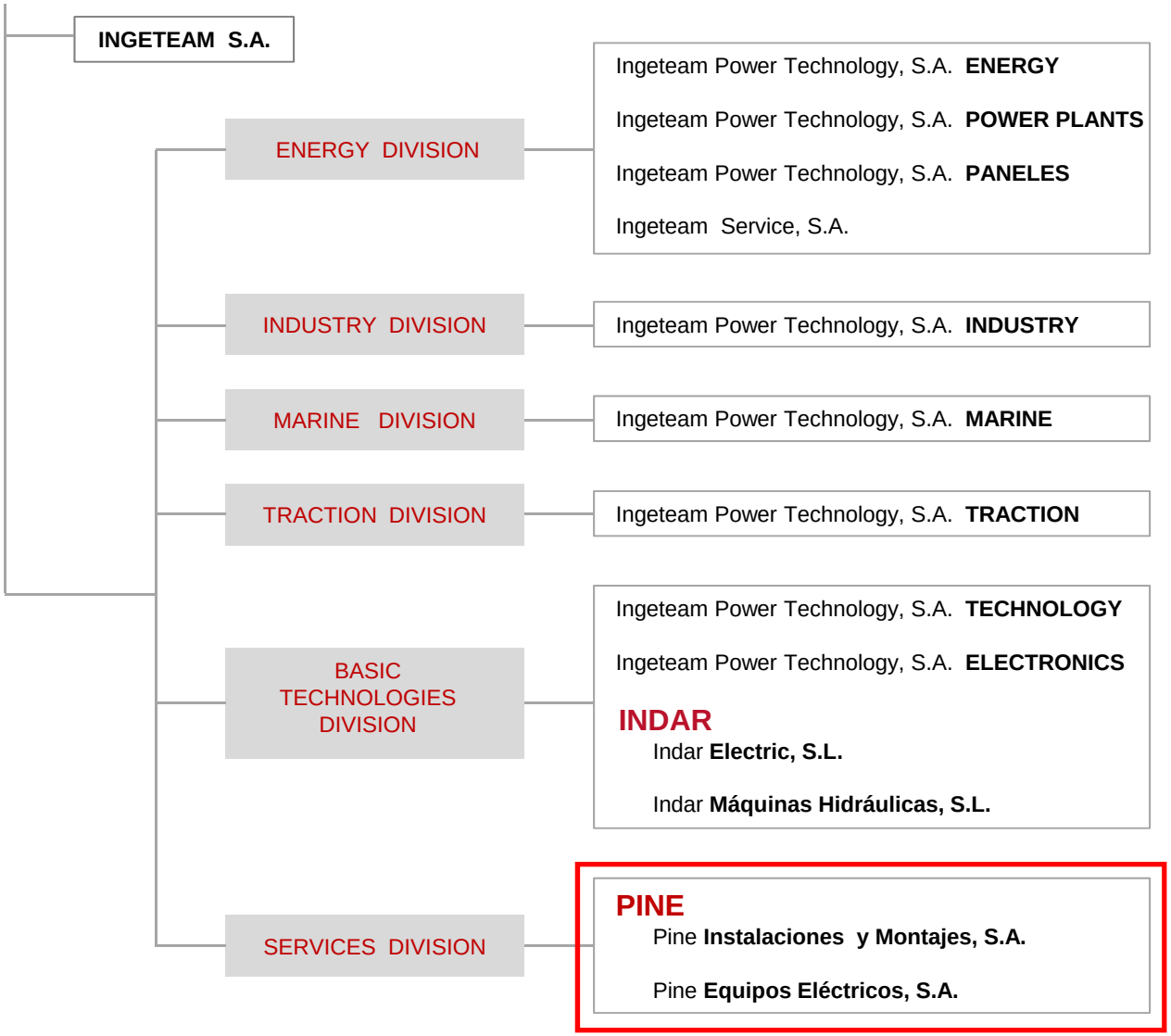
Ingeteam in Spain



Pine
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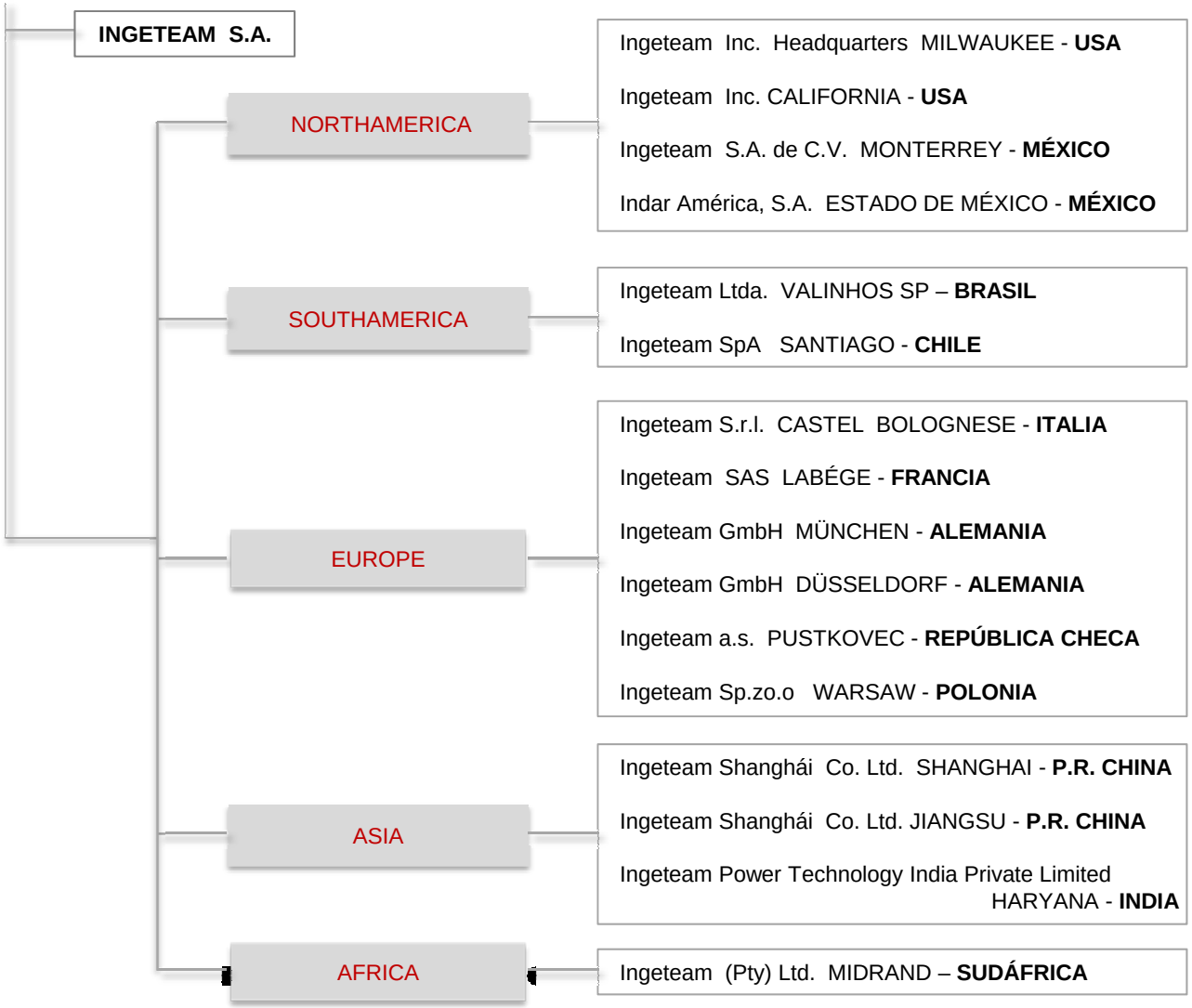
Ingeteam in the world



BRIEF HISTORY OF PINE

Pine
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1990

Ingelectric-Team , S.A. (Ingeteam) founds *Montajes Eléctricos y Electrónicos Especiales* (ME³) and *Equipos Eléctricos Especiales* (E³) .

1994

The Ingeteam Group acquires the company *Paneles Industriales Navales Eléctricos* (PINE).The merger of *PINE* with ME³ and E³ results in *Equipamientos Eléctricos y Electrónicos Pine, S.A.*

2002

Equipamientos Eléctricos y Electrónicos Pine, S.A. divides its activity, resulting in PINE Instalaciones y Montajes, S.A. and PINE Equipos Eléctricos, S.A.

2013

All these years on the market, have provided PINE with great experience, professionalism in its works and recognition from its Clients.

PINE INSTALACIONES Y MONTAJES, S.A.

Pine
An Ingeteam brand

- INSTALLATION AND ELECTRICAL ASSEMBLY IN HIGH VOLTAGE, LOW VOLTAGE AND OF INSTRUMENTATION.
- DESIGN AND BUILDING OF SUBSTATIONS UP TO 400 KV.
- ELECTROMECHANICAL MAINTENANCE OF PRODUCTIVE INSTALLATIONS AND ELECTRICAL SUBSTATIONS.
- ENGINEERING AND LEGALIZATION OF ELECTRICAL ASSEMBLIES.
- ENGINEERING OF ELECTRICAL ASSEMBLIES AND “TURNKEY” SUPPLIES OF VESSELS.

AIMS

Pine
An Ingeteam brand

- **MISION:** To apply our knowledge and experience in the services we are specialized: engineering, installation, assembly and maintenance of equipments and electrical installations, both HV and LV, within the following sectors: energy, industry, shipbuilding, traction and civil infrastructure.

- **VISION**: In PINE we aim to achieve a leadership position with our clients, regarding the features of our services and the quality of our products.

- **VALUES:** Our company values and gives priority to:

  - A close relationship with the Client and a promptly response to their needs and expectancies.
  - Consideration towards the employees and our commitment to prevent their health harm.
  - Responsibility towards the environment, its preservation and its pollution prevention.
  - Social commitment: society welfare, sustainable development, environment concern …

  RELIABILITY, ADAPTABILITY, HONESTY, CLARITY AND LOYALTY.

GEOGRAPHICAL DISTRIBUTION

Pine
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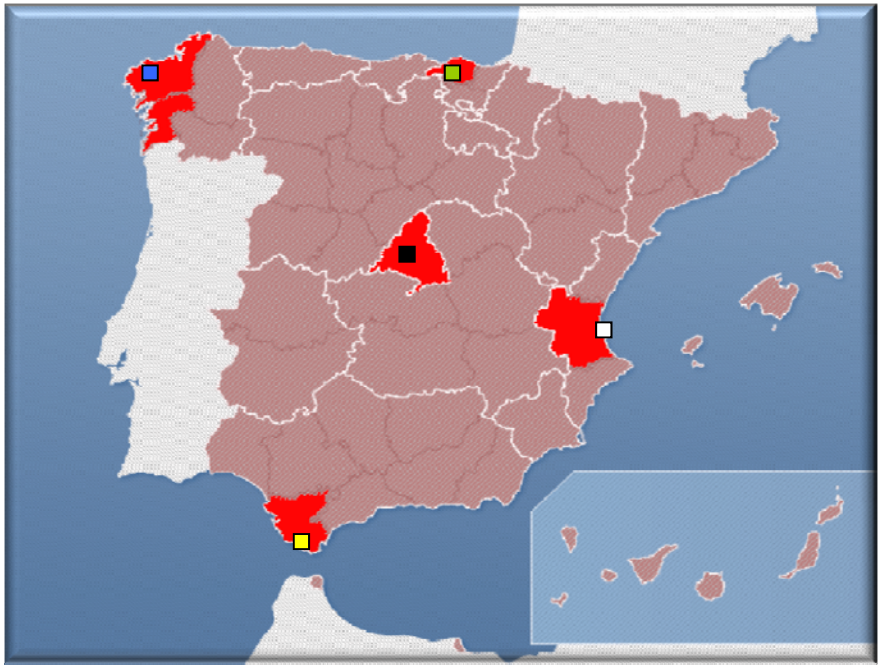
FERROL DELEGATION

HEAD OFFICE (VIZCAYA)

CENTRAL WAREHOUSE (VIZCAYA)

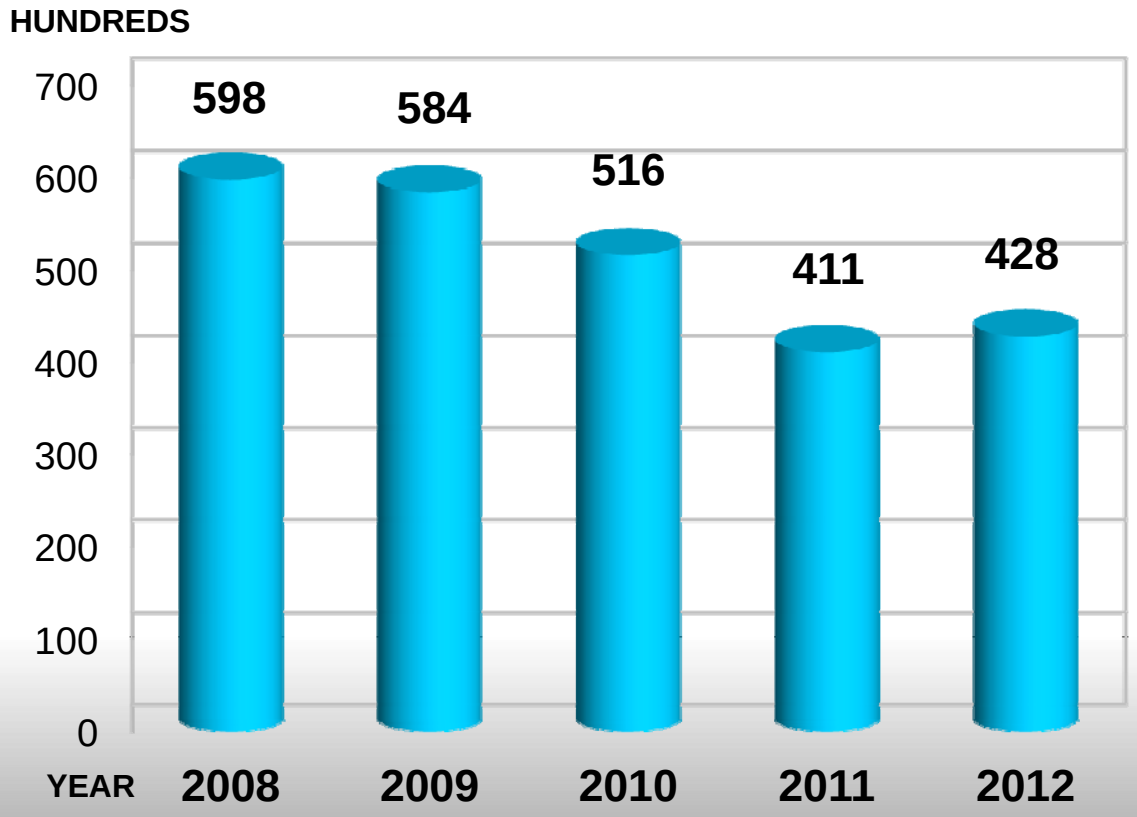


MADRID DELEGATION

VALENCIA DELEGATION

CÁDIZ DELEGATION
(EL PUERTO DE SANTA MARÍA)

AVERAGE STAFF



HEALTH & SAFETY, QUALITY AND ENVIRONMENT

Pine
An Ingeteam brand

- PINE has its own Health and Safety Plan (Safety, Ergonomics and Psycho- sociology) .
- Health and Safety Management System OSHAS 18001, certified by DNV.
- Quality Management System ISO 9001, certified by DNV.
- Environment Management System ISO 14001, certified by DNV.

PRESENT THROUGHOUT THE ENERGY CONVERSION CYCLE

Pine
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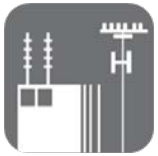
Generation → Distribution → Final User

Renewable Power Plants



Transformation Substation

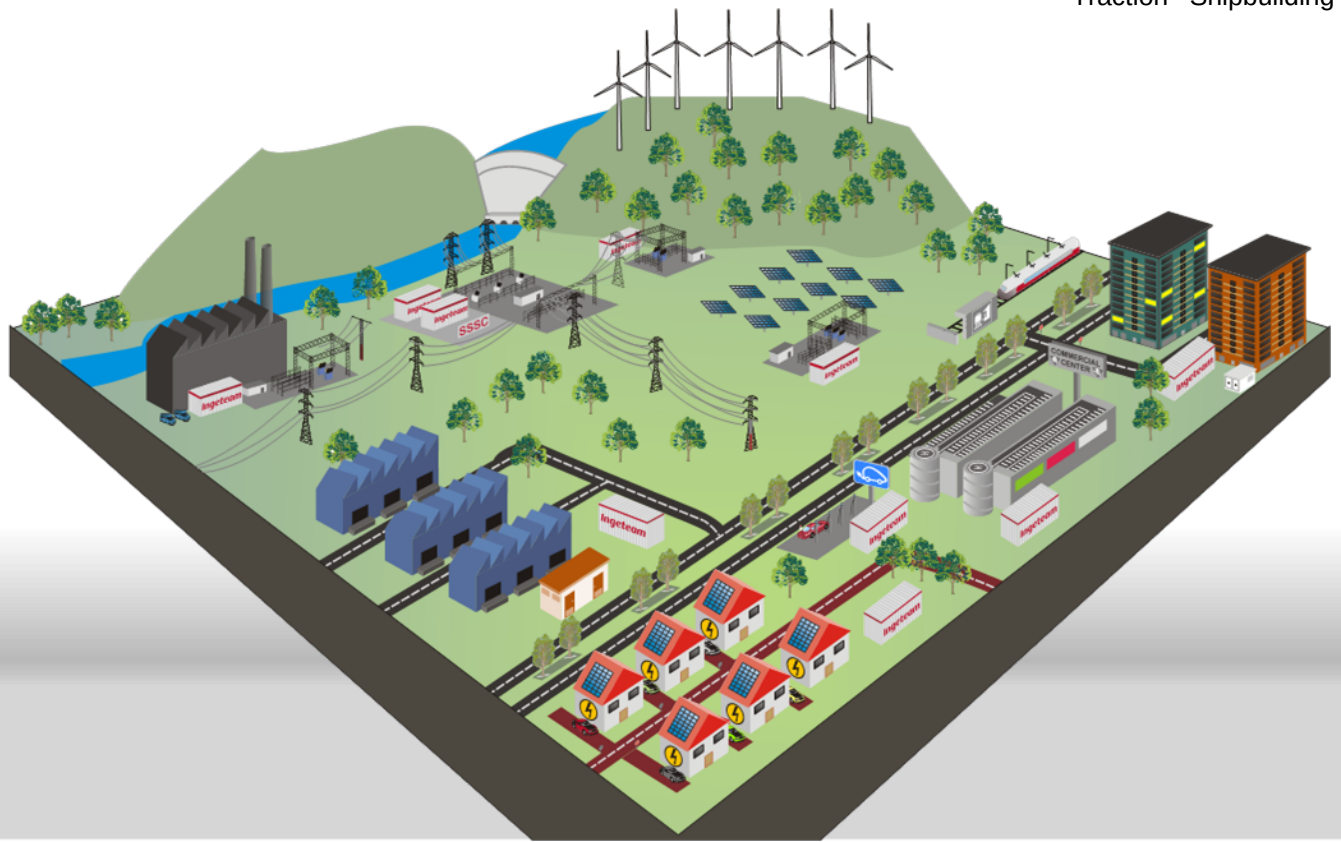
Transformation Centre

Industry

Civil infrastructures

Traction

Shipbuilding



Pine

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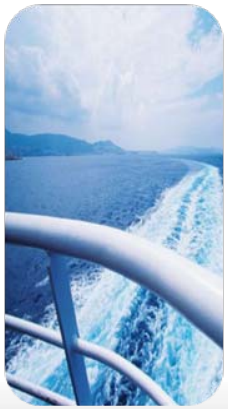
Pine

INSTALACIONES Y MONTAJES, S.A.

Energy

Industry

Shipbuilding



Traction

Civil Infrastructures

Pine

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INDUSTRY

Pine
An Ingeteam brand

ELECTRICAL ASSEMBLY AND OF INSTRUMENTATION.
ELECTROMECHANICAL MAINTENANCE.

- **“Turnkey ” assembly of HV and LV:**
  - Design and sizing of electrical installations.
  - Detailed engineering of the assembly.
  - Supply of power, control and instrumentation cables.
  - Earth net.
  - Assembly supervision, trials and commissioning

IRON & STEEL

PETROCHEMICAL

MISCELLANEOUS INDUSTRIES

ENVIRONMENT

INDUSTRY

Pine
An Ingeteam brand

MAIN CLIENTS

- A.G. SIDERÚRGICA BALBOA
- ACB
- ACCIONA
- ACERINOX
- AGC FLAT GLASS
- ARCELORMITTAL
- AZUCARERA EBRO
- BAUX-VALENCIANA DEL ALUMINIO
- BUNGE IBÉRICA / MOIRESA
- CAF
- CONSORCIO DE AGUAS DE GB
- DANIELI
- GERDAU-SIDENOR
- GUARDIAN
- INABENSA
- INGETEAM
- NERVACERO
- NONCALES
- PRODUCTOS TUBULARES
- RAVAGNAN
- REPSOL PETRONOR
- SIDERÚRGICA SEVILLANA
- SIEMENS VAI
- SMS-CONCAST
- SMS-DEMAG (SIDERNAVAL)
- TECHNIKA
- TÉCNICAS REUNIDAS
- TECOAER
- THYSSENKRUPP
- TUBOS REUNIDOS
- UNILEVER FOODS
- …

ArcelorMittal

Petronor

Productos Tubulares

GERDAU SIDENOR

ThyssenKrupp

Pine
An Ingeteam brand

IRON & STEEL

Cable engineering and electrical assembly of MV and LV .
We are specialized in removals, improvements and expansions.

- **Melting furnaces and secondary metallurgy.**
- **Continuous casting units.**
- **Rolling mills of plates.**
- **Coating lines (galvanized, tinplated , painted…).**
- **Auxiliary lines (inspection, cutting, cleaning…).**

Pine
An Ingeteam brand

PETROCHEMICAL

Electrical and instrumentation assemblies in petrochemical and refining plants.

- **Complete plants.**
- **Firefighting systems.**
- **Wastewater treatments.**
- **Distribution centres of MV.**
- **Cooling systems.**
- **Emergency feeding.**
- **Alarm centralization systems.**

Pine
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ENVIRONMENT

Installation, assembly and maintenance in:

- **Desalting plants.**
- **Waste Water Treatment Plants (WWTP).**
- **Drinking water treatment plants.**
- **Water pumping plants.**
- **Purifying systems of fumes and gases.**
- **Treatment plants for urban waste.**
- **Treatment plants for industrial waste.**

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MISCELLANEOUS INDUSTRIES

Engineering, supply, installation, assembly and maintenance in:

- **Food industries.**
- **Aluminium production.**
- **Glass.**
- **Cement.**
- **Paper and cellulose industry.**

Pine
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REFERENCES

- Continuous casting - ACERINOX
- Double reduction rolling mill - ACERLORMITTAL
- ACB
- Pickling line – ARCELORMITTAL - Sestao
- Inspection line – ARCELORMITTAL - Etxebarri
- Pumping in Lamiako and Elorrieta
- Several assemblies in “Unilever Foods”
- Desalting plant - RAMBLAS DE MORALES-Almería
- WWTP - Galindo
- Purifying system of fumes - ACB

Pine
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REFERENCES

- BAUX new factory - Segorbe
- Several assemblies for Consorcio de Aguas del GB
- AGC FLAST GLASS
- Reinforcement of water treatment in WWTP
- Azucarera EBRO - Guadalete
- “ABACO” technology - PETRONOR
- Float Furnace Reconstruction - GUARDIAN
- Coke plant - REPSOL/PETRONOR
- Cogeneration plant - SMURFIT KAPPA NERVIÓN

DOUBLE REDUCTION ROLLING MILL

Pine
An Ingeteam brand

- **Final client:** ArcelorMittal
- **Direct client:** Ingeteam
- **Year:** 2000

DOUBLE REDUCTION ROLLING MILL

- **Power supplied:** 12500 KVA.
- **Voltage supply:** 5,5 KV.
- **Annual production:** 320.000 T of tin for packaging.

- **“Turnkey ” assembly of HV and LV:**
  - Design and sizing of electrical installations.
  - Detailed engineering of the assembly.
  - Supply of power, control and instrumentation cables.
  - Earth net.
  - Assembly supervision, trials and commissioning.

ACB

Pine
An Ingeteam brand

- **Final client:** ArcelorMittal
- **Direct client:** Ingeteam Industry
- **Year:** 1995

ACB

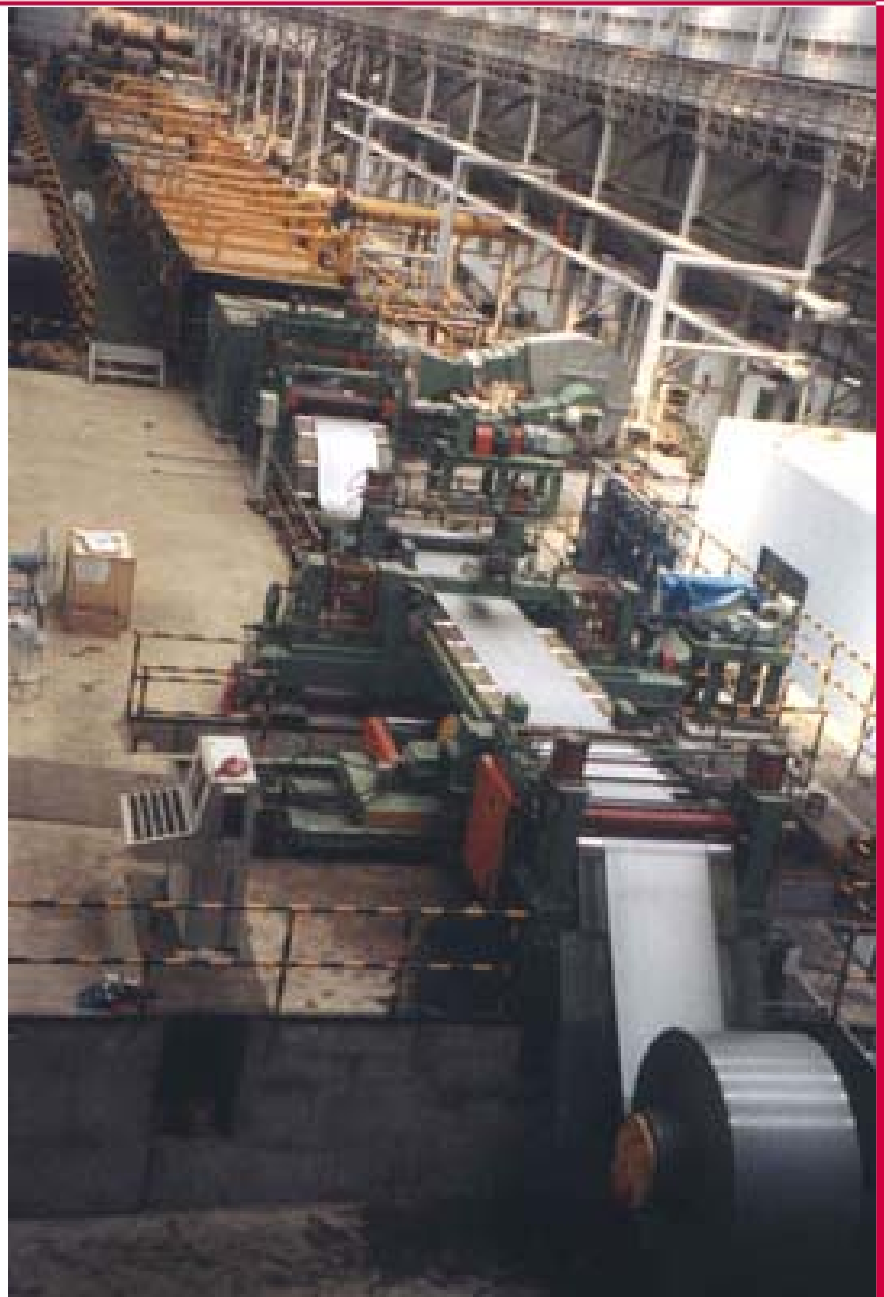
- **Power supplied:** 250 MVA
- **Voltage supply:** 220 KV
- **Annual production:** 1.800.000 T of hot rolled coil.

- **“Turnkey ” assembly of MV and LV:**
  - Design and sizing of electrical installations.
  - Detailed engineering of the assembly.
  - Supply of power, control and instrumentation cables.
  - Earth net.
  - Assembly supervision, trials and commissioning.

PICKLING LINE

Pine
An Ingeteam brand

- **Final client:** ArcelorMittal
- **Direct client:** Ingeteam Industry
- **Year:** 2002

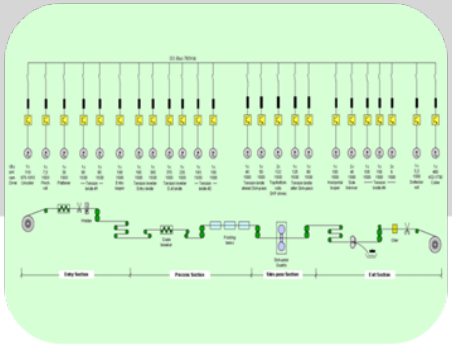


PICKLING LINE

Pine
An Ingeteam brand

- **Power supplied:** 5000 KVA.
- **Voltage supply:** 5,25 KV.
- **Annual porduction:** 450.000 T of coil stripped with hydrochloric.

- **“Turnkey ” assembly of MV and LV, control and instrumentation:**
  - Design and sizing of electrical installations.
  - Detailed engineering of the assembly.
  - Supply of power, control and instrumentation cables.
  - Earth net.
  - Assembly supervision, trials and commissioning.



INSPECTION LINE

Pine
An Ingeteam brand

- **Final client:** ArcelorMittal
- **Direct client:** Ingeteam Industry
- **Year:** 2001

INSPECTION LINE

Pine
An Ingeteam brand

- **Power supplied:** 2000 KVA.
- **Voltage supply:** 5,25 KV.
- **Annual production:** 380.000 T of tin for packaging.

- **“Turnkey ” assembly of MV and LV:**
  - Design and sizing of electrical installations.
  - Detailed engineering of the assembly.
  - Supply of power, control and instrumentation cables.
  - Earth net.
  - Assembly supervision, trials and commissioning.

DESALTING PLANT - Ramblas de Morales

Pine
An Ingeteam brand

- **Final client:** Técnicas Reunidas
- **Direct client:** Ingeteam Industry
- **Year:** 2005

DESALTING PLANT - Ramblas de Morales

- **Annual production:** 60.000 m³/day of water for irrigation.
- **Type of process:** Reverse Osmosis.
- **Power of the osmosis turbo-pumps:** 2.400 KW. in 6,3 KV.
- **Voltage supply:** 30 KV.

- **“Turnkey ” assembly of HV and LV, control and instrumentation:**
  - Design and sizing of electrical installations.
  - Detailed engineering of the assembly.
  - Supply of power, control and instrumentation cables.
  - Earth net.
  - Assembly supervision, trials and commissioning.
  - Official electrical project and authentication of the electrical installation.

WASTE WATER TREATMENT PLANT

Pine
An Ingeteam brand

- **Final client:** Consorcio de Aguas del GB.
- **Direct client:** IBERESE.
- **Year:** 2009

WASTE WATER TREATMENT PLANT

Pine
An Ingeteam brand

- **Power supplied:** 1.500 KW.
- **Voltage supply:** 400V

  Two filtering lines to purify fumes coming from the incinerator.

- **“Turnkey ” assembly of HV and LV, control and instrumentation and lighting of the complete filtering system:**
  - Design and sizing of electrical installations.
  - Detailed engineering of the assembly.
  - Supply of power, control and instrumentation cables.
  - Earth net.
  - Assembly supervision, trials and commissioning.
  - Official electrical project and authentication of the electrical installation.

WATER TREATMENT IMPROVEMENT

Pine
An Ingeteam brand

- **Final client :** PETRONOR.
- **Direct client:** Estudios e Ingeniería Aplicada XXI, S.A.
- **Year:** 2010.

WATER TREATMENT IMPROVEMENT

Pine
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- Assembly of independent trays for laying instrumentation, control and power cables.
- Supply of power, control and instrumentation cables.
- Installation of junction boxes and control desks for engines and pumps.
- Connection of all the installed equipments.
- MCC installation.
- Installation of a new PLC and replacement of the old SAI.
- Assembly of different types of: valves, gauge, transmitters, etc
- Outdoors lighting installation.
- Collaboration and support in commissioning.

“ABACO” TECHNOLOGY

Pine
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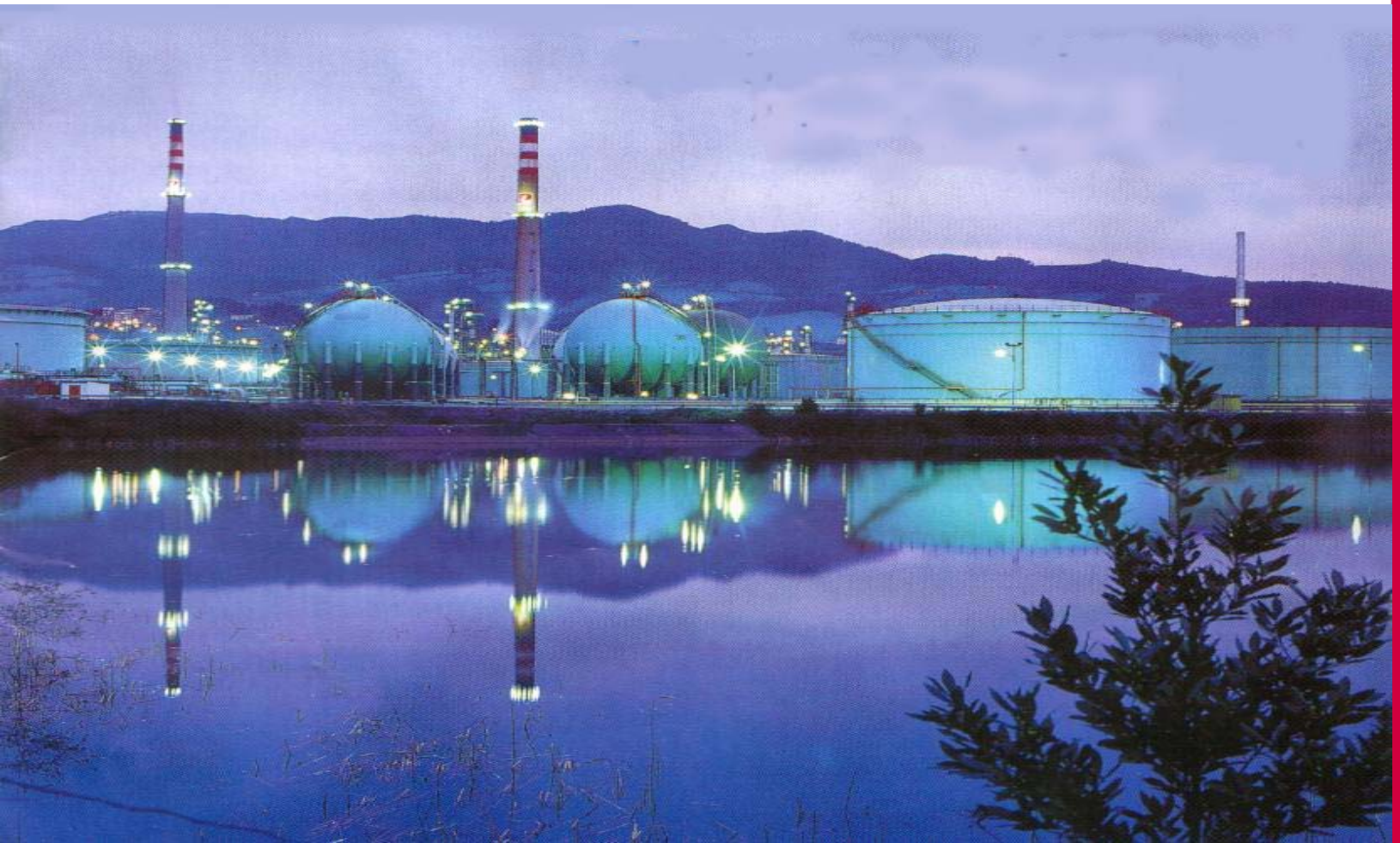
- **Final client** PETRONOR
- **Direct client:** INERCO
- **Year:** 2011



“ABACO” TECHNOLOGY

Pine
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- Supply and assembly of trays for power and instrumentation cables.
- Supply, laying and connection of power and instrumentation cables.
- Installation and connection of the tubing used in the installation.
- Switchboard supply.
- Lighting installation in all the area.

FLOAT FURNACE RECONSTRUCTION

Pine
An Ingeteam brand

- **Client:** GUARDIAN
- **Year:** 2011

FLOAT FURNACE RECONSTRUCTION

Pine
An Ingeteam brand

- Supply and assembly of trays for power and control cables.
- Supply, laying and connection of power and control cables.
- Equipment assembly (switchboards, boxes, control desks…).
- Earth net.
- Support in furnace testing.

COKE PLANT

Pine
An Ingeteam brand

- **Final client:** PETRONOR
- **Direct cliente:** Duro Felguera Plantas Industriales, S.A
- **Year:** 2010-2011

COKE PLANT

- Design and sizing of the electrical installation.
- Supply of power, control and instrumentation cables.
- Electrical room assembly.
- Assembly of instrumentation and maneuvering equipments.
- Assembly of interconnection boxes and lighting and power equipments.
- Earth net and protection systems against lighting.
- Assembly supervision, trials and commissioning.

CO-GENERATION PLANT

Pine
An Ingeteam brand

- **Client:** SMURFIT KAPPA NERVIÓN
- **Year:** 2012

CO-GENERATION PLANT

Pine
An Ingeteam brand

- Installation of four cabins of 11kV each, with isolation in air and breaker in SF6.
- Assembly of a booster transformer of 30 MVA with a transformation relation of 30/11 kV.
- Assembly of a transformer for auxiliary services, dry type, of 250 kVA and transformation relation of 11/0,420 kV.
- Laying and connection with the 30 kV and 11 kV cells.
- Installation and assembly of switchboards, CDBT, SAIs, armario de contadores, racks de relés…

NATIONAL DIVISIONS – Contacts

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An Ingeteam brand

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Pine

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