

GROUPE PONTICELL FRERES

SUPPORTING
changes in the world



**RENEWABLE
ENERGIES**



WHO ARE WE?

An independent family group providing services to industries, Ponticelli operates in the oil & gas, energy, chemical,++ life sciences, steel and infrastructure markets.

OUR HISTORY

Based on solid values, Ponticelli's culture is both **extremely technical** and **profoundly human**. Our services are defined by **expertise, commitment, responsiveness** and a **spirit of partnership**. Our efficiency lies in our ability to offer industrial solutions to optimise customers' performance in the most cost-effective way.



80
locations in more
than 20 countries

€785 M
turnovers



5000
employees

3 main skills

/ Engineering / Construction / Maintenance



Shareholding

80% > PONTICELLI FAMILY
20% > MANAGEMENT

5 MARKETS



**Oil & Gas,
Petrochemical
and Chemical**

**Nuclear and
conventional energies**



**Renewable
energies**

Life Sciences



**Industries
and Infrastructures**

100 years of efficiency and performance



1921 / Foundation of Ponticelli Frères



1938 / First refinery contract for Shell
at Berre-l'Etang



1973 / First offshore contract
at Ashtart in Tunisia

SAFETY, OUR DNA

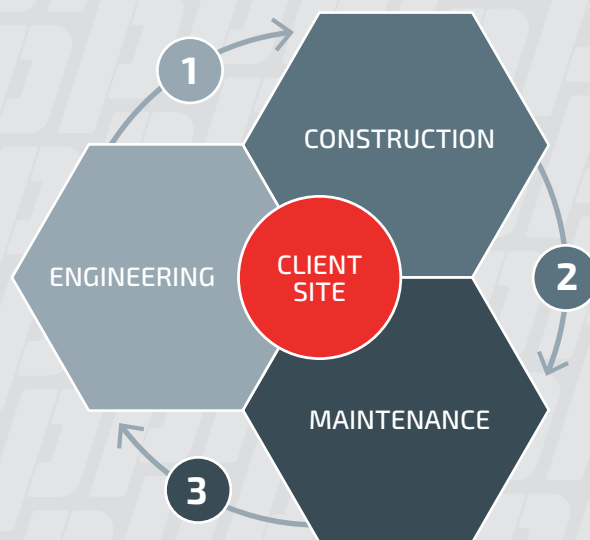
The firm belief that our activities can be carried out without anyone getting hurt or hurting anyone is deeply rooted in our corporate culture. As a result, our **ZERO ACCIDENT** target requires high-level commitment from our colleagues and partners, supported by various awareness-raising, communication and training initiatives. Among these, preference is given to the development of leadership to ensure that **safety remains constantly at the forefront of our thoughts in all circumstances.**



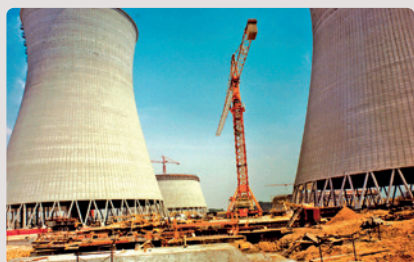
OUR QHSE AND CSR POLICY

Ponticelli has developed a **quality, health, safety, environment policy** and a **corporate social responsibility policy** within a single, integrated continuous improvement approach. This is notably reflected by certifications in accordance with ISO and MASE standards, and by joining the United Nations Global Compact.

Our Expertise



- 1 Design and Build**
Develop a new site,
build a new unit
- 2 Transform and Upgrade**
Improve processes,
extend life-cycles
- 3 Maintain and optimise**
Maintain performance,
increase uptime



1975 / First major contract
on a nuclear power plant



2018 / Construction of biopharmaceutical
production skids



2020 / Capella, 140MWc photovoltaic
project in Salvador

RENEWABLE ENERGIES:

Ponticelli offers a complete proposal in the field of renewable energies.

€ 78,5 M
Turnover

10%
of the group's turnover



**A SOLID
EXPERIENCE**



**A RAPIDLY GROWING
SPECIALITY**



**WINDS
OF CHANGE**



**A SYSTEMATIC
PRESENCE**





HYDROELECTRICITY

A SOLID EXPERIENCE

The Group's various businesses have allowed it to build a **solid experience in the field of hydraulic energy.**

Today, Ponticelli is working on several sites to ensure their longevity, reliability, and performance. Moreover, the development of new skills, for example complex access management, is proving particularly relevant with the continuing evolution of our customers in the energy sector.

GATES AND VALVES

- / **Major renovation** of the dam gates (Stoney, sectors, check valves, coffer dams)
- / **Studies, manufacturing and installation** of valves and coffer dams, including the operating devices and the fixed parts



PIPING SYSTEMS AND FITTINGS

- / **Studies, manufacturing and installation** of piping networks
- / **Studies and execution of complex handling operations** suitable for specific configurations of each site (vertical wells, tunnels, alternator enclosures)

MECHANICAL ACTIVITIES IN THE WORKSHOP AND ON-SITE

- / **Maintenance interventions on units**
- / **Maintenance operations on machines** and auxiliary components (pumps, operating devices, hydraulic power stations, etc.)
- / **Manufacturing and repairs** of mechanical parts (shafts, bearings, etc.)

HYDROELECTRICITY: FIELDS OF COMPETENCE

COCHEZ & PONTICELLI

Hoisting
operations

SMRI GREEN ENERGY

Mechanical operations
for rotating machines,
Electromechanical
and Fittings

PONTICELLI

PONTICELLI FRÈRES

Gates and valves,
Penstocks,
Taps, Pipes,
Other works¹

PONTICELLI (PROJETS)

Project
management
(studies
and works)

¹ Other works: / Repairs of strainers / Manufacturing of mechanical-welded parts / Lock works, grid drawing / Removal, servicing, and re-installation of jacks / Instream flows / Studies, manufacturing and installation of boom



PRODUCTION UNITS

/ Assembly and/or maintenance of units electro-mechanical units: turbines (Kaplan, Pelton, Francis, etc.), generators, turbo-pumps

PENSTOCKS

Metal works:

- / Replacement of sections
- / Execution of tapping
- / Provision and installation of expansion joints
- / Miscellaneous repairs
- / Thermal treatments



SOLAR PHOTOVOLTAIC TECHNOLOGY

A RAPIDLY GROWING SPECIALITY

In the revolutionary context of the rapid growth of the solar photovoltaic technology, the acquisition of GenSun in 2017 and Enersteel in 2018 shows the adaptive capability of Ponticelli to meet the changing requirements of its clients.

Thanks to GenSun, the Group can deploy a leading design office and state-of-the-art technical teams to support photovoltaic projects of all sizes during their

entire life cycle; pre-studies, studies, construction, deployment, operation and maintenance.

With Enersteel, the French leader in photovoltaic parking-shades systems, the Group is capable of installing REN systems on existing sites while providing its customers with the comfort of a shaded parking lot. Enersteel also offers attachment solutions for the installation of roof-top PV modules.

CONSTRUCTION OF EPC PHOTOVOLTAIC POWER STATIONS

GenSun manufactures EPC or EPC light photovoltaic plants (solar panels provided by the customer) in France and overseas. Technologies proven and certified by the design office are implemented to design, optimise, and install all types of plants and deliver them "turnkey" for connection.

- / Power plants connected to a self-sufficient network
- / Considering the regulatory, security, and architectural requirements (ICPE, ERP, ATEX, government contracts, works on occupied sites, in the public domain, etc.)
- / Turnkey solutions: roofs, parking shades, on the floor on fixed structures, on single or double axle trackers, etc
- / Works including all trades: foundations, civil engineering, metal framework, electrification, etc
- / Solar power plant connected to storage



OPERATION AND MAINTENANCE OF PHOTOVOLTAIC POWER PLANTS

Expert in supervision and maintenance of photovoltaic installations, GenSun ensures maximum availability and optimal productivity.

- / Monitoring productivity
- / Preventive and systematic maintenance of power plants
- / Corrective maintenance: diagnostics and resolution of operating incidents
- / Audits of power plants with improvement proposals
- / On-site photovoltaic test modules (I-V curve, EL imaging, infrared imaging)
- / Study and execution of Repowering with the EPC department



PARKING SHADES

Enersteel, French leader in photovoltaic parking shade systems, offers turnkey solutions to its customers.

- / **Engineering:** dimensioning, design, simulation
- / **Manufacturing:** metal structures and photovoltaic systems
- / **Installation:** metal structures and photovoltaic systems or overall management, all trades, including foundations and electrical works



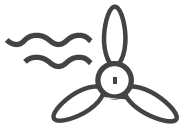
ROOF-TOP MODULES SUPPORTS

Essential for ensuring longevity of roof-top photovoltaic systems, Enersteel provides innovative attachment solutions which are suitable for supporting the modules.

STORAGE

GenSun designs, provides, and installs storage systems for:

- / supporting live and frequency grids
- / energy management: peak limiting and load shifting of the delivery to the network



WIND ENERGY

WINDS OF CHANGE

Ponticelli intervenes throughout the life cycle of wind energy production installations. At the preliminary development stage, and during the construction and maintenance of the installations during which the Group can deploy its competencies during the electromagnetic and electro-technical assembly/hoisting operations. Its long experience in offshore works allows Ponticelli to effectively operate in the field of fixed or floating offshore wind energy technologies.



WIND ENERGY – ONSHORE

WIND STUDIES AND MEASUREMENTS

GenWind supports the development of projects during the preliminary studies phase by deploying the equipment necessary for the validation of the wind energy production hypotheses. For wind measurements and bird studies, it proposes rental or sale options for

- / Measuring masts, of which the design and specific assembly method ensure extreme reliability of measurements and better risk management during assembly/disassembly operations
- / Power-packs, with or without fitted Lidar

It provides its expertise during impact studies thanks to visual simulations based on mapping elements (projected shadows and visual influence zones) and photomontages.



WIND FARM INSTALLATION

With its trades and experience in construction, Ponticelli is a permanent player in the installation of wind farms. Its high capacity cranes (mobile cranes of capacities up to 700T, lattice boom crawler cranes of capacities up to 600T) particularly allow carrying out heavy hoisting operations. Moreover, its experience in the supervision of complex projects coupled with the diversified competencies can meet the specific requirements of each customer, including the overall management of a construction project (VRD, foundations, network, delivery item). Diagnostics, refresher courses, disassembly, assessment and Repowering of existing wind farms are also among the Group's capabilities.



MAINTENANCE OF WIND FARMS

The increasing number of equipment is resulting in an increasing requirement for maintenance of wind turbine equipment. Ponticelli is particularly suitable for meeting this requirement thanks to its coverage of the territory, through its network of branches and its brands SMRI Green Energy and GenWind, its trades,

assembly/hoisting, electromechanical and electro-technical services, and its considerable maintenance experience. This proximity and these competencies also exist in a context of corrective interventions and systematic maintenance dedicated to the optimisation of the uptime of installations.

WIND ENERGY – OFFSHORE

FOUNDATION AND STRUCTURAL STUDIES

The long standing capitalist and technical partnership established with Doris Engineering, a company specialised in the design of complex offshore equipment, has provided the Group with the capability of carrying out budgetary studies and to prepare industrial diagrams based on the studies provided by Doris.

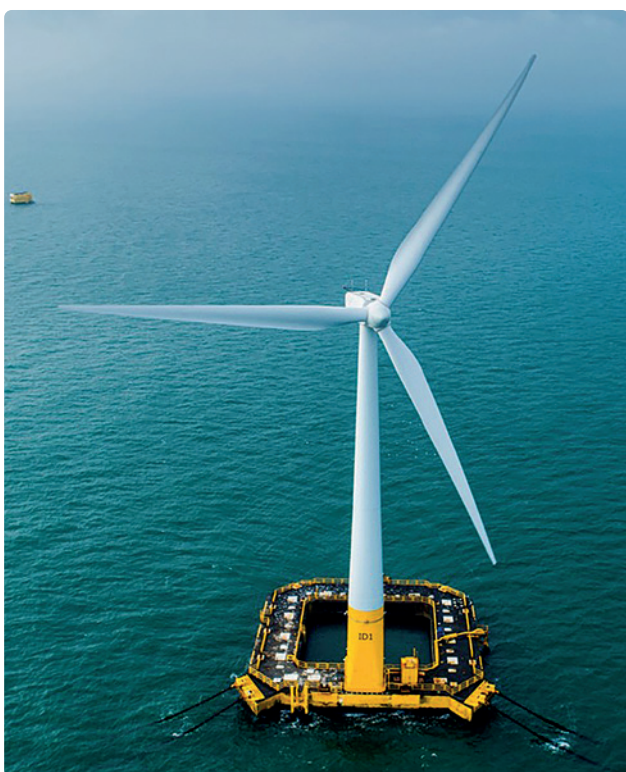
INSTALLATION OF OFFSHORE WIND FARMS

Ponticelli's long experience in the field of offshore structures is an advantage in providing services to its customers in this domain:

- **MANUFACTURING**

- / Foundations and jackets for bottom fixed offshore wind turbines
- / Floating foundations for floating offshore wind turbines
- / Installation of E&I on Transition Parts
- / Foundations float-off

- **SUPERVISION OF PROJECTS** (Assistance to the Project owner)



MAINTENANCE OF OFFSHORE WIND FARMS

Every year, Ponticelli teams perform several hundreds of thousands of working hours for offshore installations maintenance. This context-specific knowledge, including maritime logistics, combined with the different competencies of the Group and its considerable experience in systematic maintenance can be used to ensure the uptime of offshore wind turbine farms.

ARCHIMED, A COMPANY DEDICATED TO FLOATING WIND FARMS

Ponticelli and its partner Matière, coming strong from an initial success with the EOLMED project in Port-La-Nouvelle, created MP ArchiMed to intervene on EPCI* or manufacturing at the yard – alongside the dock, of floating foundations.

*Engineering, Procurement, Construction & Installation





OTHER RENEWABLE ENERGIES

A SYSTEMATIC PRESENCE

The development of renewable energy is a key issue in energy transition. The group has a systematic and voluntary presence in all renewable energy production technologies.

We are working on the development of ethanol biofuels and bio diesel.

- / Bio-sourced chemistry
- / Engineering for energy savings

HYDROGEN

The group is actively participating in the rapid rise of industrial projects related to the production and use of green hydrogen:

- / Engineering (risk analysis, process, calculations, general installation, E&I, Project management)
- / Manufacturing of skids
- / Installation and maintenance of production systems (electrolysers, compressors, etc.)
- / Hybrid projects, storage and distribution



BIOMASS

The experience acquired by Ponticelli in the domain of thermal energy production stations is useful for biomass power stations, in all the construction aspects and trades.



SOLAR THERMAL ENERGY

In 2017, Ponticelli acquired a stake in the company NewHeat which develops, designs, builds, and operates high capacity solar thermal power stations (>3MWth) for industrialists and communities. In this domain, NewHeat offers a complete range of services.

- / Design and choice of optimised and suitable equipment as per the customer requirements
- / Construction of the installation, including deployment and connection
- / Operation that optimises the production thanks to regulation systems based on demand and weather conditions
- / Financing: complete management of power stations under the BOO regime (Build-Own-Operate)

MARINE RENEWABLE ENERGIES

The Group's wide range of competencies, particularly in offshore and hydroelectric energy, allows it to offer a complete range of services in marine renewable energies of the future (tidal, swells, thermal, etc.).



SUPPORTING changes in the world

Our skilled, committed and responsive teams will find the most effective solution to enhance your performance.



www.ponticelli.com

OUR CONTACT

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