

BUILDING THE FUTURE



TECHINT
Engineering & Construction

10
Mountain range crossings

+550 pipelines (*)

+600
Projects in the downstream and petrochemicals sector (*)

+900
Projects in Oil & Gas (*)

+14,000 MW
Installed in Combined Cycle Plants (*)

+600,000 tons
Steel structures assembled

+900,000 tons
Equipment installed

(*) Among projects developed totally or partially by Techint E&C.



A trustworthy partner for project execution

We provide services for Project Management, Engineering, Supplies, Construction and Operation at global level for large-scale projects in the Oil & Gas, Downstream and Petrochemical industries, Energy and Mining sectors, Industrial Plants and Civil Infrastructure Works.

Our worldwide network of dedicated professionals has a history of 70 years developing competitive, efficient and sustainable solutions for our customers.

We comply with the highest quality and safety standards, taking care of the environment and promoting the development of the communities where we operate.



+3,300

Projects completed worldwide



+19,500

Employees



1.7

Million man-hours per year of engineering capacity



International scope

Local partner



References

- Engineering Centers
- Commercial Centers
- Offshore Unit
- Regional Headquarters
- Equipment Management Yards

Energy

We cover
all electricity generation

We build conventional power generation plants. We have strategic alliances with leading turbine and equipment manufacturers to increase plant efficiency and minimize CO₂ emissions.

Our capabilities include consulting, engineering and project management services for new plants and to upgrade existing facilities. We also develop a full range of auxiliary systems for power plants, transmission lines and substations for power plants, transmission lines and substations.

14,000

MW installed in Combined Cycle Plants

+200

Transmission lines and substations

Photograph:
Norte III Combined Cycle Power Plant, Mexico.



01. Norte III Combined Cycle Power Plant

Description:
Engineering, procurement and construction services as well as the operation, for a period of 25 years, of a Combined Cycle Thermal Power Plant consisting of two 2TG+1TV modules with a minimum guaranteed net power of 907 MW.

Country:
Mexico

Customer:
AJN3

02. Pesquería Power Plant

Description:
Engineering, procurement and construction services to build a 900 MW combined cycle thermal power plant with a 3TG + 1TV configuration.

Country:
Mexico

Customer:
Techgen



03. Genelba Plus Combined Cycle Power Plant

Description:
Engineering, procurement and construction services to expand the Genelba Thermoelectric Power Plant, starting from an existing gas turbine (169 MW) to a combined 2TG + 1TV configuration cycle for 360 MW of additional power.

Country:
Argentina

Customer:
Pampa Energía

04. El Bracho Combined Cycle Power Plant

Description:
Construction of civil works, electromechanical assembly, pre-commissioning and commissioning assistance to close the combined cycle at the El Bracho Thermal Power Plant. Installation of a heat recovery boiler, a GE D650 steam turbine and a GE A074 generator. Techint had previously performed the civil works, electromechanical assembly and pre-commissioning of an open cycle gas turbine.

Country:
Argentina

Customer:
General Electric



Oil & Gas

We design and build safe and efficient projects

We specialize in providing engineering and supply chain services, as well as the construction and management of complex Oil & Gas projects. We develop processing facilities, gas and oil separation plants, production and treatment facilities, offshore platforms and mar-

itime facilities, onshore oil, gas and multi-product pipelines and associated facilities, and LNG regasification terminals. We have built over 550 pipelines in some of the world's most remote locations, in challenging environmental, geographical and logistics conditions.

+900

Projects in Oil & Gas

Photograph:
AUCA project, Ecuador.



01. P-76 Offshore Platform

Description:
Engineering, procurement and construction services, module integration and commissioning for the FPSO P-76 (floating, production, storage and offloading unit). A platform with a production capacity of 150,000 barrels of oil and 7 million m³/day of gas.

Country:
Brazil

Customer:
Petrobras

02. Dunkirk LNG regasification terminal

Description:
Engineering, procurement and construction services to build a LNG regasification terminal with a dispatch capacity of 13 billion m³/year.

Country:
France

Customer:
Électricité de France



04. Camisea Gas Pipeline

Description:
Engineering, supplies and construction of a system that involves a 730 km-Natural Gas pipeline and a parallel Natural Gas Liquids pipeline of 560 km, as well as a four pumping stations and two pressure reducing stations, a SCADA and communications system, and a city gate in Lima.

Country:
Peru

Customer:
Transportadora de Gas del Perú

03. Fortin de Piedra – Vaca Muerta

Description:
Engineering, procurement and construction services for the drilling and gas treatment facilities as well as for the removal and transport of the gas produced. These works allow 17.5 million m³ / day to be processed.

Country:
Argentina

Customer:
Tecpetrol



Downstream and Petrochemical Plants

Customized solutions for each project



We have extensive experience in extended basic engineering and detail engineering services, procurement, construction and project management services for all types of oil refinery processing units. In the chemical and petrochemical industries,

we build methanol plants, ammonia, urea and aromatics units, as well as olefins, polyolefins and fertilizer plants.

+600

Projects in the downstream and petrochemicals sector

Photograph:
President Bernardes de Cubatão Refinery (RPBC), Brazil.



01. President Bernardes de Cubatão Refinery (RPBC)

Description:
Supply of materials, equipment and services involved in implementing the Cracked Naphtha and Diethanolamine Hydrodesulfurization Units and the Coke Naphtha Hydrotreatment Units at the Presidente Bernardes Refinery, in the city of Cubatão, state of Sao Paulo.

Country:
Brazil

Customer:
Petrobras

02. Modernization of Hout crude oil facilities

Description:
Engineering, supplies and construction to upgrade Hout crude oil facilities.

Country:
Saudi Arabia

Customer:
KJO (AGOC and KGOC Joint Operations)



03. Profertil Fertilizer Plant

Description:
Engineering, procurement and construction services for a fertilizer plant with production levels of ammonia (2,050 tons/day), urea (3,250 tons/day) and two urea granulation plants (1,850 tons/day).

Country:
Argentina

Customer:
Profertil

04. Damietta I Methanol Plant

Description:
Engineering, procurement and construction services for a new methanol plant of 3,600 tons/day. In addition to the processing unit, the project includes the air separation unit, all offsite facilities and services, methanol storage, the river water uptake system and aqueduct, the loading dock and power generation system so that the plant can operate in "island mode".

Country:
Egypt

Customer:
E-Methanex



Mining

Involvement throughout all stages of a mining project

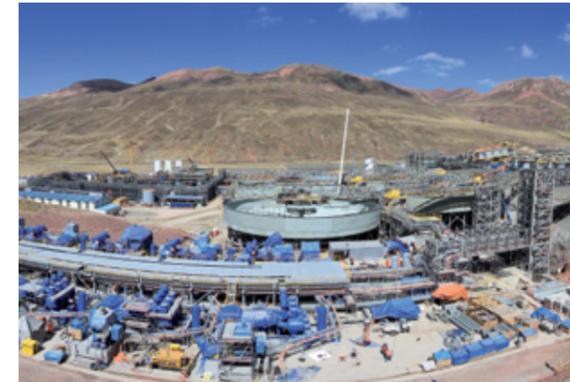
We undertook the design, construction, operation and maintenance of the mineral processing plants, materials handling systems, water pumping and transport systems, mining and concentrate pipes, industrial and service structures and buildings, among other facilities, ensuring all systems met the strict

test industrial requirements regarding deadlines, quality and safety. In the last 25 years, we have successfully undertaken over 60 mining projects for copper, molybdenum, gold, silver, zinc, iron, potassium and lithium, both greenfield and brownfield, in different Latin American countries.

+60

Mining projects for copper, molybdenum, gold, silver, zinc, iron, potassium and lithium in different Latin American countries

Photograph:
Los Pelambres Mining Project, Chile.



01. Toromocho Plant

Description: Engineering, procurement and construction services for a processing plant for an open pit copper and molybdenum mine, in the center of the Peruvian Andes, at an altitude of 4,700 m., with an output of 1,838 tn/day of copper concentrate and 25.7 tn/day of molybdenum oxide.

Country:
Peru

Customer:
Minera Chinalco
Peru | Copper
and molybdenum

02. Escondida Water Supply

Description: Construction of a desalinated water supply system consisting of two interconnected subterranean 42" pipelines of 178 km in length, from the Desalination Plant in Coloso to the Escondida Mine at over 3,000 meters above sea level. We laid over 18 km of three 36", 24", 20" and 14" pipes to distribute water within the mining facilities. Techint also built the Escondida Water Supply Expansion project for this system.

Country:
Chile

Customer:
Minera
Escondida
| Cobre



03. S11D Ferro-Carajás Mine

Description: Construction and electromechanical assembly of the truckless mining system to replace the conventional transportation system using offroad mining trucks at an iron ore processing plant in Brazil. The work included assembling the structures and mechanical equipment for a series of conveyor belt systems covering a total of 31.3 km, of which 7.3 km are overland.

Country:
Brazil

Customer:
Vale | Iron

04. Veladero Mining Project

Description: Engineering, procurement and construction services for the gold mine processing plant, including a permanent camp housing 1,250 people, the laboratory, truck shop, primary crusher, collection dome, secondary crushers, processing plant, fuel loading station and water intake and distribution system, etc. Techint E&C has undertaken a series of subsequent works, such as the expansion of the Crushing Plant, and the maintenance and renovation of mining facilities.

Country:
Argentina

Customer:
Barrick | Gold



Infrastructure civil works

We build key projects
for country development

We specialize in engineering services, ranging from feasibility studies to basic and detailed engineering, procurement and construction services, and commissioning for civil infrastructure works, complying with the most stringent international standards.

We have successfully completed over 650 projects in this segment: hydroelectric dams, water supply systems, hydraulic engineering works, tunnels and rail transport systems, bridges, docks, airports and subways, telecommunications systems, buildings and industrial complexes.

+650

Projects developed
in the segment

Photograph:
Los Caracoles Hydroelectric Project, Argentina.



01. Punta Negra Hydroelectric Station

Description:
Engineering, procurement and construction services for a multipurpose hydroelectricity generation plant on the San Juan River, which also regulates the river flow and expands local irrigation capacity. Dam 128 m high, central with 2 Francis turbines of 32.5 MW each.

Country:
Argentina

Customer:
Energía Provincial
Sociedad del
Estado (San Juan)

02. Extension of the "H" line, Buenos Aires Subway System

Description:
Engineering, procurement and construction services for 4.5 km of tunnels, four stations, two workshops and underground railyards.

Country:
Argentina

Customer:
Subterráneos
de Buenos Aires
Sociedad del Estado



03. El Tambolar I Hydroelectric project

Description:
Basic and executive design, geological and geotechnical surveys for the El Tambolar I Hydroelectric Project. Detail engineering and construction of the river diversion, internal access and roads, crew camps and workshops required to build the dam and power station.

Country:
Argentina

Customer:
Energía Provincial
Sociedad del Estado
(San Juan)

04. General Belgrano Railway recovery and repair project

Description:
Executive project design, detail engineering, supplies and construction to overhaul 109 km of railway lines in metric gauge, in the province of Santa Fe.

Country:
Argentina

Customer:
Administración
de Infraestructuras
Ferroviarias S.E.



Industrial Plants

Solid experience and innovative solutions

We provide integrated solutions for the sector, ranging from feasibility studies, engineering, procurement, construction, maintenance and management, to commissioning and start-up, personnel training and assistance for the operation of all types of industrial plants.

We also provide services to the Techint Group's steelworks and steel pipe manufacturing companies, including electromechanical equipment maintenance and plant installations, heavy duty steelworks cleaning, light industrial cleaning, packaging and stacking rolled steel coils and work on chimneys and flues.

+560

Projects in the Industrial Plant market

Photograph:
Aluar plant, Argentina.



01. TenarisBayCity Greenfield Mill

Description:

Engineering, supplies, construction and management services to build a plant to manufacture seamless pipes within a range of 114.3-244.5 mm in diameter and 5.7 to 25.4 mm in thickness, with an estimated capacity of 616,000 tons/year for the Tenaris OCTG product line.

Country:

United States

Customer:

Tenaris

02. Greenfield 3T Rolling Mill

Description:

Engineering, procurement and construction services for a hot rolling mill and two cold rolling mills, in addition to all offsite works, complementing the services required for operations.

Country:

Mexico

Customer:

Tenaris



03. Pesquería Greenfield Mill

Description:

Procurement and construction services for a cold rolling plant producing 1.5 million tons/year. The plant produces steel sheets measuring 1,880 mm in width exclusively for the automotive industry.

Country:

Mexico

Customer:

Ternium

04. TenarisSiderca Mill

Description:

Engineering and construction of extensions, modernizations and modifications for an integrated mill manufacturing seamless steel pipe of up to 14", with an output of 1,000,000 tons of steel per year. The mill has been providing Direct Reduction, Electrical Steelworks, Rolling, Completion, Dispatch and industrial Services since the 1970s to the present day.

Country:

Argentina

Customer:

Tenaris





Photograph:
P-76 project, Brazil.

Customized Engineering Solutions

We bring together the best technologies and licenses available, integrating these with the requisite engineering know-how to carry out projects to deadline, working effectively and efficiently.

At our Engineering Centers in Mumbai (India), Buenos Aires (Argentina), Mexico City and Monterrey (Mexico), Milan (Italy), Quito (Ecuador), Sao Paulo (Brazil) and Seville (Spain), we analyze different design alternatives to offer technical improvements aimed at optimizing customer costs.



We develop our services according to the highest engineering standards.



We deploy our engineering teams onsite at our projects.



Our experienced personnel work in different areas and specialties.

» We apply value engineering to provide competitive solutions in different market segments:

- Feasibility studies and cost estimates.
- Conceptual engineering.
- Basic engineering and FEED.
- Value engineering.
- Debottlenecking and revamping studies.
- Detail engineering.
- Modular projects.
- Engineering project management.
- Plant pre-commissioning, commissioning and start-up.
- Construction assistance.

Adding Value Through Procurement

We offer a comprehensive service comprising purchasing, inspection, logistics and imports through our network of professional experts distributed in different countries.

Thanks to our international experience in various market segments, we have incorporated the most reputable tools, processes and procedures employed in the industry at present. We work to meet the highest standards of quality, integrity and transparency, enabling us to provide our customers with efficient, skilled support.



We have a base of 60,000 active suppliers.



We draw up strategic agreements with key manufacturers.



We employ *ad hoc* tools to help us automate management and control functions as well as to produce reports.

» Synergy with Exiros

As a Techint Group company, Exiros offers comprehensive procurement solutions, ranging from sourcing and contracting to supplier performance management, stock management and purchase by product category. Their input adds value, which translates into lower costs for our customers when planning and developing projects.



Preventive and Sustainable Management

We are committed to managing quality, environmental protection, occupational health and safety, focused on achieving excellence in every area, thanks to our Integrated Management System which sustainably complies with the highest international standards.

We are firmly committed to achieving our global goal of Zero Deviations. The way forward is the application of our Integrated Management System, the result of permanently evolving prevention concepts.

We are signatories to the United Nations Global Compact, which reinforces our work towards the Sustainable Development Goals and strengthens our commitment to developing safe, proactive and efficient stewardship for our employees, customers, value chain and the communities where we carry out our operations and projects.



We have an interdependent system based on our employees and their commitment.



We undertake projects designed to promote economic growth and the well-being of communities.



We ensure that our operations are sustainable, efficient and environmentally responsible.

WE SUPPORT



» International certifications supporting our work



Quality Management
ISO 9001:2015



Environmental Management
ISO 14001:2015



Occupational Health and Safety Management System
ISO 45001:2018

Safe Equipment Maintenance and Management



We have our own repair shops and manage the entire preparation and deployment process for our own and third party equipment around the world.

We have Equipment Management Yards in **Argentina, Brazil, Chile, Mexico, Peru and Uruguay.**

This is why we provide most of the equipment required by our projects in different countries, ensuring they are suitable and available in mechanical terms, and plan and execute corrective, preventive and predictive maintenance.

In addition, we have a 20-hectare yard for offshore projects in Pontal do Paraná, Brazil, where we build and assemble jackets, decks and modules to be integrated into FPSO units, as well as for other applications.



We operate all of our equipment safely, training our operators and ensuring scheduled machinery inspections.

+2,700

Pieces of own machinery for: earthworks, pipelines, work in industrial projects, etc.





Our people: our most valuable asset

We have over **19,500 employees**, from senior management to technical, administrative and operational personnel around the world, working in an environment where initiative, teamwork, diversity and professional growth are highly valued.

Our teams of experienced, multidisciplinary and multicultural professionals follow a structured knowledge transmission program.

Our corporate programs ensure people benefit from a homogenous training approach, although always from a local perspective that takes into account the particularities of each location.

We follow a Diversity and Harassment-Free Work Environment policy, which means that we are committed to treating all employees equitably, providing opportunities based on merit, and rejecting any type of discrimination, harassment or other form of offensive conduct.

» Career development

Experience is a vital component of our employees' career development. Each project offers a unique opportunity for our people to increase their knowledge and put their technical and operational skills to the test.

+146,000
Annual training hours

+43 million
Man hours worked

19
Countries where we
deploy our personnel.

Innovation applied to Engineering and Construction

Our mission is to foster a culture which strives for change and continuous improvement.

To advance this agenda:

- We implement routines to help transform ideas into opportunities for change and differentiation.
- We apply innovative solutions to continuously improve the productivity and efficiency of our operations.
- We work with an Ideas Factory where we evaluate the potential impact of each initiative.

We are convinced that innovation is a strategic asset and forms the basis for differentiation. This is why we have developed a special program to source, analyze and implement ideas with a high impact on the company's different areas.

+700

Ideas presented by collaborators from around the world

+40

Ideas implemented in projects

+50

Ideas in development

» Built-in initiatives:

- Data centered design.
- Process digitalization and systems integration.
- Using mobile devices to record and register.
- Big data and Analytics.
- Automating construction tasks.
- Using drones for topographic, subsoil and progress surveys.
- IIOT and sensing.
- Incorporation of virtual reality and augmented reality.

Integrity, Transparency and Corporate Ethics

We orient our actions to foster a culture of respect for business ethics, transparency and anti-corruption standards and norms, as well as regulations and legislation at both national and international level.

We are committed to transparency throughout our management, an essential condition to secure the trust of our stakeholders.

Our Business Conduct Compliance Program applies to all our employees, partners, suppliers and subcontractors.



We provide ongoing ethics and compliance training for personnel.



We have a Whistleblower Hotline for employees and third parties that is fully anonymous, confidential and fully accessible.



Our Business Conduct Compliance Office and Internal Audit department continuously monitor the Program to ensure its effectiveness.

» Documents supporting our actions

- Code of Conduct.
- Code of Conduct for Suppliers.
- Business Conduct Policy.
- Transparency Policy in Relations with Third Parties.

TECHINT
Engineering & Construction

USD 1.3 million
in annual sales

 **Ternium**

12.5 million
tons of steel product shipments

 **Tenaris**

3.3 million
tons of seamless and welded pipe shipments

 **Tecpetrol**

170 thousand
barrels of oil equivalent produced per day

tenova

USD 920 million
In backlog projects

HUMANITAS

1 million
single customers



We are a solid group of companies

The Techint Group is comprised of six main companies with a global reach. Each is a world or regional leader in its sector, with deep roots in the countries where they operate. The companies pursue their own objectives and strategies, but all share a philosophy of long-term presence, commitment to local development, and a passion for quality, innovation and technology.



55,500
Employees



USD 22.1 billion
Annual revenues





www.techint.com
