

TECHINT'S OFFSHORE SITE

TECHNOLOGY WITH COMPETITIVE LOCAL CONTENT



TECHINT
Engineering & Construction



- _ 22,000 EMPLOYEES
- _ 70,000 KM OF PIPELINES (18 OF THEM CROSS THE ANDES MOUNTAINS)
- _ 450 OIL&GAS PROCESSING PLANTS
- _ 23,000 KM OF HIGH VOLTAGE LINES
- _ 40 YEARS OF EXPERIENCE IN OFFSHORE PROJECTS

_ **AFRICA**

- SAUDI ARABIA
- ARGELIA
- DJIBOUTI
- EGYPT
- ARAB EMIRATES
- KUWAIT
- LIBIA
- NIGERIA
- SOMALIA
- SUDAN

_ **AMERICA**

- ARGENTINA
- BOLIVIA
- BRAZIL
- CANADA
- CHILE
- COLOMBIA
- COSTA RICA
- CUBA
- ECUADOR
- EL SALVADOR

_ **ASIA**

- UNITED STATES
- GUATEMALA
- HONDURAS
- MEXICO
- NICARAGUA
- PANAMA
- PARAGUAY
- PERU
- TRINIDAD & TOBAGO
- URUGUAY
- VENEZUELA

_ **ASIA**

- CHINA
- INDONESIA
- INDIA
- IRAQ
- IRAN
- KAZAKHSTAN
- MALASIA
- RUSSIA
- SIRIA
- UZBEKISTAN
- VIETNAM

_ **EUROPE**

- GERMANY
- AUSTRIA
- BELGIUM
- BULGARY
- SLOVAKIA
- SPAIN
- GREECE
- ITALY
- NETHERLANDS
- PORTUGAL
- UNITED KINGDOM
- CZECH REPUBLIC
- ROMENIA
- TURKEY
- UKRAINE

_ **OCEANIA**

- AUSTRALIA

KNOWLEDGE AND EXPERIENCE IN THE OFFSHORE SEGMENT

Techint Engineering & Construction is a company of Techint Group, with presence in all over Brazil since 1947, providing services of Engineering, Procurement of Equipment, Construction, Operation and Management of large size projects on a global level.

Due to its extensive experience and local presence, it develops high-complexity projects, since its design until the operation, taking care of the environment and the well-being of the communities where the company operates.

It has already successfully executed over 1.100 projects in the sectors of Oil & Gas, Industrial Plants, Refineries, Petrochemical Plants, Energy, Mining, Civil Works and Infrastructure.

It also has great experience in the Offshore industry, executing its first project in this area in 1980. Since then, it has performed several projects in the country, such as the construction of jackets for PRA-1 and Vermelho III platforms and the maintenance of 9 oil platforms in Marlim and Nordeste fields in Campos Basin, State of Rio de Janeiro.

TECHINT ORGANIZATION

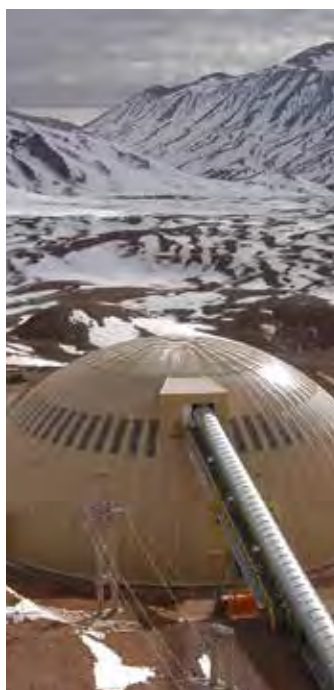
Nowadays, the Techint Group is composed of over 100 companies, with operations in different countries worldwide. These companies are global or local leaders in their industry sectors, with deep roots in the communities where they operate.

In Brazil, the companies that constitute the Techint Group are: Techint Engineering and Construction, Tenaris, global leader in the fabrication of steel tubes for the energy, industry and automotive sectors, and Exiros, specialized in industrial purchase solutions. In 2012, the Techint Group was incorporated to the Usiminas controlling block, together with Nippon Steel & Sumitomo Metal Corporation and Caixa de Empregados Usiminas (CEU).

POWER



MINING



OIL & GAS



REFINERIES AND PETROCHEMICAL PLANTS



LARGE INVESTMENTS TO HAVE THE BEST FACILITIES

Launched in the 80's, in the city of Pontal do Paraná, the **Techint's Offshore Unit Site** aims at the construction and assembly of equipment, modules and jackets designed for Offshore projects. In 2012, the Unit received investments of US\$ 150 million and underwent a remodeling, increasing its capacity and dimensions.

With all its capacity, the UOT presents itself as a competitive local content solution focused on the quality, safety and predictability in the provision of technology and national products to meet the Pre-Salt future needs, working in partnership with the best suppliers of the market.

HIGHLIGHTS

200,000 m²

Useful Area.

300 m

Is the extension of the Waterway Terminal composed of Load-In Wharf, Load-out Wharf, Support Wharf and Boarding Pier.

9 m

Water depth.

2 projects

Can be simultaneously executed in the unit.

14 km

From Paranaguá Port. A privileged location, with an access channel to the sea.

WHARF

Capacity for execution of the FPSO integration.



ADMINISTRATION, CAFETERIA AND WAREHOUSE

CONSTRUCTION AND ASSEMBLY AREA

Area of 185,000 m² appropriate for the construction of fixed platforms and modules for the FPSO's.

PIPESHOP AND JET PAINT BOOTH

Capacity of 400 ton/month of steel processing.

LOCATION



PHOTOS OF TECHINT'S OFFSHORE SITE



DISTANCES FROM THE SITE

Curitiba / PR	97 km
São Paulo / SP	442 km
Rio de Janeiro / RJ	880 km
Macaé / RJ	1,058 km
Luanda / ANGOLA	6,766 km
Houston / USA	7,941 km

THE HIRING OF THE LOCAL LABOR FORCE IS ONE OF THE SITE'S PURPOSES

To operate in the Parana coast, the Techint's Offshore Unit has all environmental, operation and installation licenses issued by the competent bodies. The company has also developed the Environmental Control Plan (PCA), which aims at respecting the environmental conditions of the region, assuring the local conservation.

The hiring of the local labor force is another concern. The UOT has a technical school for development and training of employees to operate in different projects and it also cooperates with the City and State Public Entities presenting job opening demands to operate in the project.



RESPECT TO THE COMMUNITIES AND THE ENVIRONMENT.

INVESTMENTS OF US\$1 MILLION IN MUNICIPAL SCHOOLS

Techint seeks to share with the surrounding communities the same care and development that are the basis of its projects. In Pontal do Paraná, there are social projects, benefiting the population and the surrounding communities.

This care is evidenced in the different projects it has already executed.

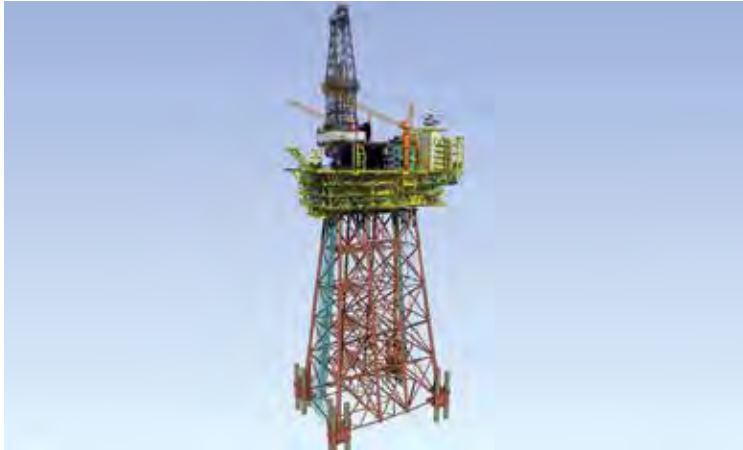
Some examples:

- Construction of the Municipal School Arthur Tavares and expansion of the Municipal School Primavera, with total investment of US\$1 million;
- Development of the program Pontal em Ação, with the participation and capacitation of the community leaders;
- Project Memória Local na Escola, promoting the education and the identity of Pontal do Paraná;
- Own technical school for training of employees;
- Partnership with Senai for qualification of the local work force.



TECHINT INVESTS IN THE QUALIFICATION AND TRAINING OF ITS EMPLOYEES.

EXPERTISE IN THE DEVELOPMENT OF JACKETS AND WHP OR FPSO PLATFORMS



WHP PLATFORM

Contract for execution of Basic and Detailed Engineering, purchase of materials, equipment, fabrication, construction and assembly of two components for a Wellhead-type Platform, including the jackets, piles, topside and accommodation module.

24,000 t. Total weight.

10,795 t. Topside total weight.

9,106 t. Jacket total weight.



P-76 PLATFORM

Contract for construction of modules and integration of the FPSO P-76, for Petrobras Netherlands BV. The contract includes the Detailed Engineering, purchase of materials and equipment, fabrication, construction and assembly of the modules, integration, commissioning, pre-operation and start-up.

24,000 t. Modules total weight.

3,762 t. Pipeline weight.

580,000 m. Total cabling.



MAINTENANCE OF PLATFORMS IN MACAÉ

Contract for maintenance and improvement of offshore platforms. Maintenance works performed in 10 platforms operating in Campos Basin, in Rio de Janeiro coast. The works were divided into two contracts, Nordeste and Marlim, both concluded in 2009.



PRA-1 JACKET

Construction and assembly of a jacket for Petrobras, concluded in 2006. The contract scope consisted of the Detailed Engineering, procurement of materials, construction, assembly, boarding, mooring, piling of the barge and anchoring.



VERMELHO 3 PLATFORM

In the 80's, Techint in Brazil executed the construction of Vermelho 3 jacket of Petrobras platform and the construction of modules for Pampo maritime platform.

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