CROSS-CUTTING EXPERTISE SERVING THE ENERGY INDUSTRY

FACILITATING PROJECT ACHIEVEMENT

As a subsidiary of VINCI, a world leader in concessions and construction, the Entrepose Group is an international contractor that specialises in designing, building and operating infrastructures for production, transport and storage in the oil and gas industry and for other energy sectors.

Entrepose works globally to perform turnkey projects under EPCC contracts (engineering, procurement, construction, commissioning) or specialist works contracts. It has an outstanding reputation for expertise and a great number of successes in the management of large scale projects.

Entrepose’s know-how is driven by major internationally-established brands, developing global solutions that cover every aspect of infrastructure and equipment projects for the oil and gas sector in onshore, offshore and underground fields — including their interfaces. By offering integrated packages alongside other companies within VINCI’s construction division, this know-how can also extend to civil engineering and facilities maintenance.

KEY FIGURES *

| More than 3,000 permanent employees | Nearly 250 projects completed yearly | Presence and activity in over 30 countries |

* Data as of January 1, 2016.
CROSS-CUTTING EXPERTISE SERVING THE ENERGY INDUSTRY

THE MOST EXTENSIVE EXPERTISE IN THE SECTOR

Bolstered by seven large brands, Entrepose Group’s offer is deployed in major business lines and international network of subsidiaries with cross-cutting expertise.
ENTREPOSE CONTRACTING

Onshore

OIL & GAS INFRASTRUCTURES
AND INDUSTRIAL ENGINEERING

Fields of expertise:
• Storage infrastructures for liquefied natural gas (LNG), liquefied petroleum gas (LPG), condensate and other liquified gasses.
• Installations for production, treatment, storage and transport of hydrocarbons.
• Gas compression and pumping stations.
• Electrical power plants.
• Maintenance operations.

Entrepose Contracting is an international player that specialises in onshore oil and gas infrastructures for production, treatment, storage and transport, with the further ability to fulfil projects in other energy sectors and other industries such as water treatment (pumping stations). It performs turnkey projects – from pre-project engineering through to commissioning and even maintenance operations – for energy installations throughout the world.

Based on its in-house resources and/or through its subsidiaries, the company also provides its clients with a portfolio of specialist skills: the ability to manage complex projects; engineering within its in-house design offices, supported by the contributions and expertise of Entrepose IKL in Asia; the supply chain management within the Entrepose Services network; manufacture of specialist items (roof segments, risers, storage spheres, etc.) using the expertise of Entrepose Industries in Dunkirk; and lastly, construction and commissioning operations drawing on the experience of its works teams. Where required, Entrepose Contracting can also assist in seeking to obtain funding at an early stage in any project.

Entrepose Contracting’s ability to manage projects and all corresponding interfaces, regardless of complexity, scale and on-site constraints, has enabled the company to conclude prestigious contracts on every continent and at every latitude.
VINCI Environnement is involved in the engineering, design and build of turnkey renewable energy production units, in particular those using anaerobic digestion processes, and energy-from-waste recovery units treating household or industrial wastes (thermal, electric or combined plants). It develops and improves the technologies integrated into these units as well as an exclusive range of flue gas treatment processes (treatment of acid pollutants, dioxins/furans, heavy metals, nitrogen oxides, filtration) from waste combustion.

Its unmatched savoir-faire rests on expertise developed over more than 50 years, proven through more than 500 projects in France and internationally. Previously a member of VINCI Construction France, VINCI Environnement joined the Entrepose Group in January 2016.

**Fields of expertise:**
- Waste treatment and waste-to-energy recovery.
- Flue gas treatment.
- Mechanical and biological treatment of household waste.
- Energy recovery (production of electricity).

**Exclusive technologies and processes:**
- Rotary kiln, stepped grate, roller grate, water-cooled grate.
- KOMPOGAS© Process (license for France): anaerobic digestion of household wastes, green wastes and other organic wastes.
- Electrostatic precipitators and fabric filters, scrubbers, cooling tower and rotary atomizer; déNOx SCR and SNCR.
- Automatic composting process with forced aeration, tunnel composting process.

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ONSHORE PIPES

ONSHORE PIPELINES

Fields of expertise:
- Construction of onshore pipelines and associated infrastructures for oil and gas (compression, pumping and metering stations).
- Water supply and distribution networks.
- Slurry pipelines.

Spiecapag provides full life-cycle support to the pipeline industry. It intervenes starting from project conception and financing assistance, to engineering, procurement, construction, commissioning, operation and maintenance.

This expertise covering onshore pipeline and related ancillary works such as pumping and compression stations, metering and regulation facilities, storage complexes and loading-unloading facilities.

Since it constructed its first high-pressure pipeline in the Paris region in the 1920’s, Spiecapag has acquired unsurpassed experience with more than 50,000 km of pipelines and onshore infrastructures in more than 60 countries on all continents. With more than 90 years of continuous experience and a fleet of equipment that it can mobilise rapidly to all points of the globe, Spiecapag has become a specialist in complex projects, from both a technical point of view for large diameters, and from a project execution standpoint, working in environmentally-sensitive areas like deserts, arctic regions, mountainous zones, tropical rain forests, etc.

Incahuasi Project, Bolivia
PNG LNG Project, Papua New Guinea
Coating operations, Incahuasi Project, Bolivia
QCLNG Project, Australia
Offshore

SHALLOW WATER WORKS

For more than 30 years, Geocean has successfully executed marine works projects on all continents, in very diverse climatic conditions and with varying logistical challenges. Geocean performs turnkey projects under EPCI-type contracts or for public works contracts in the oil and gas, mining, chemical industries as well as on the public works market. It builds coastal structural works for power stations, desalination plants and water treatment plants. Geocean stands out from its competitors through its ability to work also on landfalls in shallow-water zones, where it uses its line of specialised equipment developed in-house.

Geocean owns and operates a fleet of marine assets, and has performed turnkey pipelaying operations and oil platform installations. Among its fleet, Geocean counts a pipelay barge dedicated to offshore oil and gas works, The Geocean Protis, equipped with a 500 t crane and S-lay systems.

Additionally, Geocean has developed expertise in marine renewable energies and performed deep sea water intake operations (–1,000 m) for SWAC systems (Sea Water Air Conditioning).

Geocean devotes significant resources to innovation and to the development of specialised equipment, so that it can offer original and economical solutions to its clients.

Fields of expertise:
- Design and turnkey construction of offshore and coastal works: submarine pipelines, import and export terminals (CBM, SPM), moorings, wharfs and jetties.
- Specialised works: trenching for submarine pipelines, pipeline landfalls, other special works.

Technologies:
- Abyss remotely operated submarine excavator
- Max and Super Max marine excavators for shallow water trenching
- Masurca trenching system

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Geocean devotes significant resources to innovation and to the development of specialised equipment, so that it can offer original and economical solutions to its clients.
Fields of expertise:
• Engineering consultancy.
• Construction management.
• Operation and maintenance.

Technologies:
• Underground storage of natural gas, liquid or liquefied hydrocarbons, compressed air, hydrogen, carbon dioxide (CO₂) or effluents in different types of caverns:
  - salt caverns;
  - mined caverns (unlined and lined);
  - porous reservoirs (aquifers, or depleted oil or gas fields).

Geostock is a leading player in the underground storage of liquid, liquefied and gaseous hydrocarbons as well as the associated surface facilities and process. Its offer extends from consultancy and design, to supervision of construction and operation-maintenance within the scope of long-term contracts.

The expertise of Geostock is grounded in 50 years of experience. This longevity enables a large range of multi-disciplinary skills to be mobilised for underground works, including earth science, civil engineering, drilling, solution mining, tests and measurements for surface facilities, process and mechanical engineering, automation, electricity, control systems.

Geostock has also developed and implements a set of innovative solutions to improve performance, reliability, and safety of underground storage facilities, notably focused on three major themes: HSE and risk management, asset integrity management and performance management.
Entrepose’s drilling activity combines the expertises of two entities: Entrepose Drilling and Horizontal Drilling International (HDI). Entrepose Drilling performs deep drilling for the oil industry, high and medium enthalpy geothermal drilling. In addition, its activities comprise hydrocarbon and gas storage wells in saline cavities or aquifers, and providing well maintenance or plug and abandonment services.

Beyond conventional onshore rigs, Entrepose Drilling possesses unique expertise, reinforced by a half-century of experience, in the operation of modern and automated hydraulic rigs that allow work to be performed all the while minimizing the impact on the environment, whether in remote areas or in urban surroundings on narrow platforms.

HDI is specialised in the trenchless installation of pipelines under natural or artificial obstacles (rivers and canals, dikes and levees, railways, highways, airfields, coastal zones, ridges and cliffs, etc.) by means of the Horizontal Directional Drilling method (HDD). With more than 2,000,000 meters of pipelines installed by HDD on all continents since 1984, HDI is a pioneer and recognised leader in its field of expertise. Likewise, the HDD method applied by HDI to the pipeline construction of marine outfalls in synergy with Geocean constitutes a competitive and innovative alternative to traditional trenching techniques to connect onshore and offshore facilities. Further advantages provided by this technique are that permitting is facilitated and project timelines can be shortened, it is not affected by weather conditions and it ensures greater respect for the environment.
Our commitments

RESPONSIBILITY
AND VALUES

No matter their area of specialisation or geographical location, Entrepose teams are unified by the goal to set an example in all its fields of responsibility, and the common culture built around the primary value of safety.

Safety:
the goal of remaining
“Injury Free on Every Site”

Facilitated by the network of HSE managers, under the authority of General Management, the sole objective of the Entrepose Safety Policy is to ensure that its operations are carried out while remaining “Injury Free on Every Site”. This policy is implemented through several unifying approaches, such as the “Safety, I Care!” plan, whose logo identifies all the Group’s safety actions as well as specific initiatives to encourage coworkers to pledge their commitment to safety, an annual Entrepose Health, Safety and Environment Challenge and VINCI Construction’s International Safety Week. On site, this policy is relayed daily with support from site supervision through a variety of actions. Examples of initiatives include “Prestart Meetings”, awareness campaigns tailored to specific risks, challenge contests, all of which are promoted through tools made available to employees, such as observation cards or mobile phone applications.

People:
local resources are the priority

On all its projects, Entrepose recruits and trains people locally, or calls upon local sub-contractors. For these workers, participating in Entrepose projects means in most cases acquiring new skills or a qualification that opens their professional horizons to new opportunities. The employees of Entrepose subsidiaries are mainly locals.

Quality:
towards an integrated management system

Quality is an essential component of the Entrepose Group, and all subsidiaries are certified ISO 9001. The management and control of the risks associated with Entrepose’s activity is integrated at every stage. Improving quality, sharing best practices, and integrating the quality management system at the Group level are priorities. The adaptability and responsiveness of Entrepose entities, and the methods and expertise acquired allow the Group to deliver complex projects and fabricate for competitive markets – all the while maintaining the highest quality standards, according to the client’s budget.

Our commitments
The Entrepose Group is favouring close relations with its customers, suppliers and the communities in which it works by developing operations on every continent through its subsidiaries and its projects.

**Ethics and compliance:**
a pioneering commitment

Like safety, quality and the environment, ethics and compliance are an area where the company is exercising social responsibility. Active in this domain for some time, the Entrepose Group has published and distributed several informational reference documents to its employees. It is pursuing implementation of awareness campaigns and preparatory trainings for the certification of its anti-corruption management system, which is designed to align with the future ISO standard.

**Environment:**
master and reduce the impact of company activities

At all times when performing its activities, Entrepose plays an active role in preserving the environment and promoting sustainable development. All of the Group’s subsidiaries perform their works in accordance with ISO 14001. In coherence with this model, the Group commits, through its Corporate Social Responsibility Charter, to master the impact of its activities on the environment and to seek the best energy efficiency for the benefit of its clients. In practice, Entrepose’s environmental policy translates to a systematic search for added value in its offerings; this is what motivates and underpins its research and efforts to innovate.

**WHERE WE OPERATE**

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**80 YEARS OF HISTORY**

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>1935</td>
<td>Creation of Entrepose.</td>
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<tr>
<td>2002</td>
<td>Entrepose leaves SUEZ Lyonnaise des Eaux through an MBO.</td>
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<tr>
<td>2006</td>
<td>Acquisition of Geoclean.</td>
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<td>2007</td>
<td>Purchase of Spiecapag, Entrepose joins the VINCI Group.</td>
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<tr>
<td>2010</td>
<td>Acquisition of HDI and Entrepose Drilling.</td>
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<td>2012</td>
<td>The Group takes majority interest in Geodock.</td>
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<tr>
<td>2015</td>
<td>Purchase of the Indonesian company IRL (oil and gas infrastructures).</td>
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<tr>
<td>2016</td>
<td>Integration of VINCI Environnement.</td>
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