

An aerial photograph of an offshore construction site in a large body of water. A large yellow crane is mounted on a barge, lifting a component. Several other barges and support vessels are visible in the background. The sky is clear and blue.

2019

ANNUAL
REPORT

ENTREPOSE IS AN INTERNATIONAL EPC CONTRACTOR

THAT DESIGNS, BUILDS AND OPERATES INFRASTRUCTURE
THROUGHOUT THE ENERGY VALUE CHAIN.

We deliver onshore, offshore and underground projects. We respect the environment
and the communities around our projects.



ONSHORE



OFFSHORE



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ASIA-OCEANIA



Benoît Lecinq

— OVERVIEW

2019 finished on a somewhat subdued note.

Entropose's activity shrank for the second consecutive year. Its turnover totalled € 581 million, down 18 % in comparison with 2018. Several subsidiaries had delivered large projects in 2018, and the new ones secured in 2019 have not yet entered the production phase. Geoclean lost momentum after a remarkable 2018 that was punctuated by delivery of two FSRU terminals in Bangladesh. Spiecapag, also experienced a transitional year during which the Trans-Adriatic Pipeline was completed at the borders of Europe, and encountered difficulties starting two major projects in Canada. These results are indicative of prolonged apathy on the oil and gas markets, which affected Entropose Contracting, beginning their year with an order book showing lower numbers. VINCI Environnement also had a very difficult year, with activation of warranties on several projects delivered prior to 2019, and the default of a partner on the St. Ouen renovation project. Only Geostock and Entropose International Network (EIN) witnessed levels of activity higher than the year before.

The last few months have nevertheless showed potential for new growth, a recovery in order books which would come as a reward for the efforts made by all of our teams. Testaments to

this are the contracts won for the construction of two new cryogenic tanks at the Sabetta site in Russia as part of an EPC contract (an extension of the Yamal project completed at the end of 2017), and for the construction of a new 225,000 m³ LNG tank in Canada. They are signs of renewed investments being made in liquefied natural gas (LNG) infrastructure, activities which firmly established Entropose's reputation internationally. VINCI Environnement is also making a comeback with a new contract for a recovery unit in Geneva, and the scheduled start of the extraordinary Ivry Paris 13 project.

In addition, Spiecapag's recent work in British Columbia on two lots of the Coastal Gas Link pipeline, which will supply this future Canadian gas terminal, serves as a perfect illustration of the complementarity of the Group's business lines, as well as its ability to meet the most demanding technical challenges and adhere to stringent environmental requirements. The same applies to Entropose Industries, whose plant will be operating at full speed as a result of its parent company's cryogenic tank projects, but also thanks to sustained prefabricated sphere activity.

As for Entropose International Network (EIN), it experienced new growth for the first time in three years, in particular as a result of Intech's recovery in Brazil, and strong business in Algeria. Finally, the engineers at Geostock are contributing to large-scale underground



These new projects are indicators of renewed profitability and are the result of our synergies, the renowned expertise of our subsidiaries, and the know-how of our employees who have all worked unrelentingly.

storage projects, most notably in the Arabian Peninsula. The sale of deep drilling specialist subsidiary Entropose Drilling has also allowed Geostock to bring its focus back to its core business, which have contributed to its forging its unrivalled reputation.

While Entropose seems to be positioned for success in 2020, we cannot — as this annual report goes to print — ignore the health crisis caused by the coronavirus. This pandemic will inevitably impact most of the countries in the world. It has already caused the price of oil to collapse in March 2020. Today, it is impossible to evaluate the impact of this crisis, nor can we put forward an outlook for the year. Let's keep in mind that our absolute priority is to protect the health of our employees through suitable measures, and through strict observance of the rules on confinement prescribed by public authorities. This is why the schedules for delivery of the projects we present in the pages that follow may be disrupted. —

INTERNATIONAL

Entrepose is a leading international EPC contractor, and our ambition is to meet the demands of our partners and clients in all sectors. The Group's proven ability to operate in complex environments worldwide is a major asset for our growth. Our mastery of logistics is the cornerstone of our operational excellence, and allows us to mobilise our teams in record time in any of the regions where we operate, including, among others: Mexico, Russia, Greece, Albania, Peru, Bangladesh, and Canada. Our subsidiaries have operated in these countries for the past few years, and they demonstrate our ability to carry out projects in all types of geographical and organisational environments.

Our global ambition is also aided by our network of national subsidiaries, which are permanently established in their respective regions. In 2019, they contributed tremendously to our business activities. Spiecapag Australia continued to expand its influence in Oceania, leading to great results, including a water supply pipeline contract carried out in a joint venture with Seymour White, one of VINCI Construction's sister companies. Entrepose



Our global ambition is also aided by our network of national subsidiaries, which are permanently established in their respective regions.

International Network's subsidiaries — Intech in Brazil, Entrepose Algeria, and Entrepose DBN in Nigeria — have all bolstered their positions. Their knowledge of the region, its stakeholders, and their cross-cutting skills, in combination with our vast fields of expertise (engineering, through Entrepose IKL established in Jakarta, EPCC, with our international entities based in France), represent strengths that must be showcased to our clients.

We will continue our efforts in order to meet the broad spectrum of energy needs in all the countries where we operate. Rehabilitating existing networks, maintenance, and building new infrastructure are all vital issues for their economic growth. Our multi-faceted expertise, which allows us to intervene at any stage of the lifecycle of these facilities, gives us a competitive advantage that should allow us to firmly establish our leadership and conquer new markets.

Our projects are carried out with the intent to support regional development. In this sense, they also benefit societal development. This is the reason we strive to contribute, both on our international projects and through our foreign subsidiaries. We work in tandem with local stakeholders and communities, in our policies on partnership as well as purchasing and recruitment, we place an emphasis on local expertise. In order to support our international development strategy, our approach relies firmly on local integration. This is a major commitment from the Group that makes Entrepose, above all, a local partner. —



► Construction of a GOSP on the Upside North site in Algeria



As an international contractor active throughout the entire energy value chain, it is our aim to not only manage the environmental impact of our activities, but also to contribute to the development of innovative and carbon-neutral solutions.

THE ENERGY TRANSITION

In order to continue being a partner that our clients trust, we need to prepare for the future.

We must transform our constantly evolving business lines and create value for our clients and the communities we interact with. This is why our economic performance must go hand in hand with our environmental performance. Expectations in this area are increasingly rigorous, particularly among our employees.

As an international contractor active throughout the entire energy value chain, it is our aim to not only manage the environmental impact of our activities, but also to contribute to the development of innovative and carbon-neutral solutions. Reflecting the commitments made by VINCI and its Chairman and Chief Executive Officer Xavier Huillard, Entrepose launched its own Environment 2022 programme with the aim of taking on all of these challenges and converting them into measurable targets. This programme spotlights the Group's desire to take part in this movement with skill, ambition, and a set of high standards. We work towards it every day. As a first step, we are striving to improve the

excellent example we set with regard to the environment ; going beyond the bare minimum of preserving ecosystems and biodiversity, which is an important part of all our projects. Reducing the fuel consumption of our vehicles and machinery, using renewable energy at our site facilities, and recycling project waste are additional actions that we have initiated. This dynamic is a result of the collective efforts made by our subsidiaries and employees.

The second step must enable us to make our ambition of tackling the energy challenges of tomorrow a reality. This will require committing more of our turnover to renewable energies, with a target of 25 % within the next two years. This will also require the development of new technologies and strategic partnerships. The burgeoning of clean energy represents a considerable opportunity for growth. We are focusing our efforts on carbon-free energy storage solutions and on the potential shown by hydrogen. Thanks to a highly-varied skillset and a long tradition of innovation, Entrepose is in a strong position to be able to provide positive responses to issues related to energy and the environment. —



► Trans-Adriatic Pipeline project in Albania



CORPORATE GOVERNANCE

ENTREPOSE GROUP
EXECUTIVE COMMITTEE



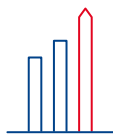
- 1 **Gaël Cailleaux**
Managing Director,
Entrepose Contracting
- 2 **Alain Panhard**
Managing Director,
Entrepose International Network
- 3 **Bruno Guy de Chamisso**
Managing Director, Spicapag

- 4 **Karine Musset**
Human Resources Director,
Entrepose Group
- 5 **Benoit Lecinq**
CEO, Entrepose Group
- 6 **Fabrice Novel**
Managing Director, Geocan
- 7 **Pascal Baylocq**
Managing Director, Geostock

- 8 **Jacquelin de la Porte des Vaux**
Senior Vice President Business
Development, Entrepose Group
- 9 **Vincent Boillot**
Chief Financial Officer,
Entrepose Group
- 10 **Fernando Sistac**
Managing Director,
VINCI Environnement

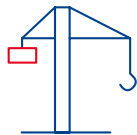
2019 KEY FIGURES

€581 M
TURNOVER



2,471
PERMANENT EMPLOYEES

250
PROJECTS IN PROGRESS



€1,109 M
ORDER BOOK

FIVE BUSINESS LINES AND A NETWORK OF CROSS-CUTTING REGIONAL SUBSIDIARIES



ONSHORE

Waste treatment and energy recovery



VINCI ENVIRONNEMENT

Oil, gas and industrial infrastructure



ENTREPOSE CONTRACTING

Entrepose IKL (Indonesia)
Entrepose Industries
Entrepose CMPEA
Entrepose (Mexico)

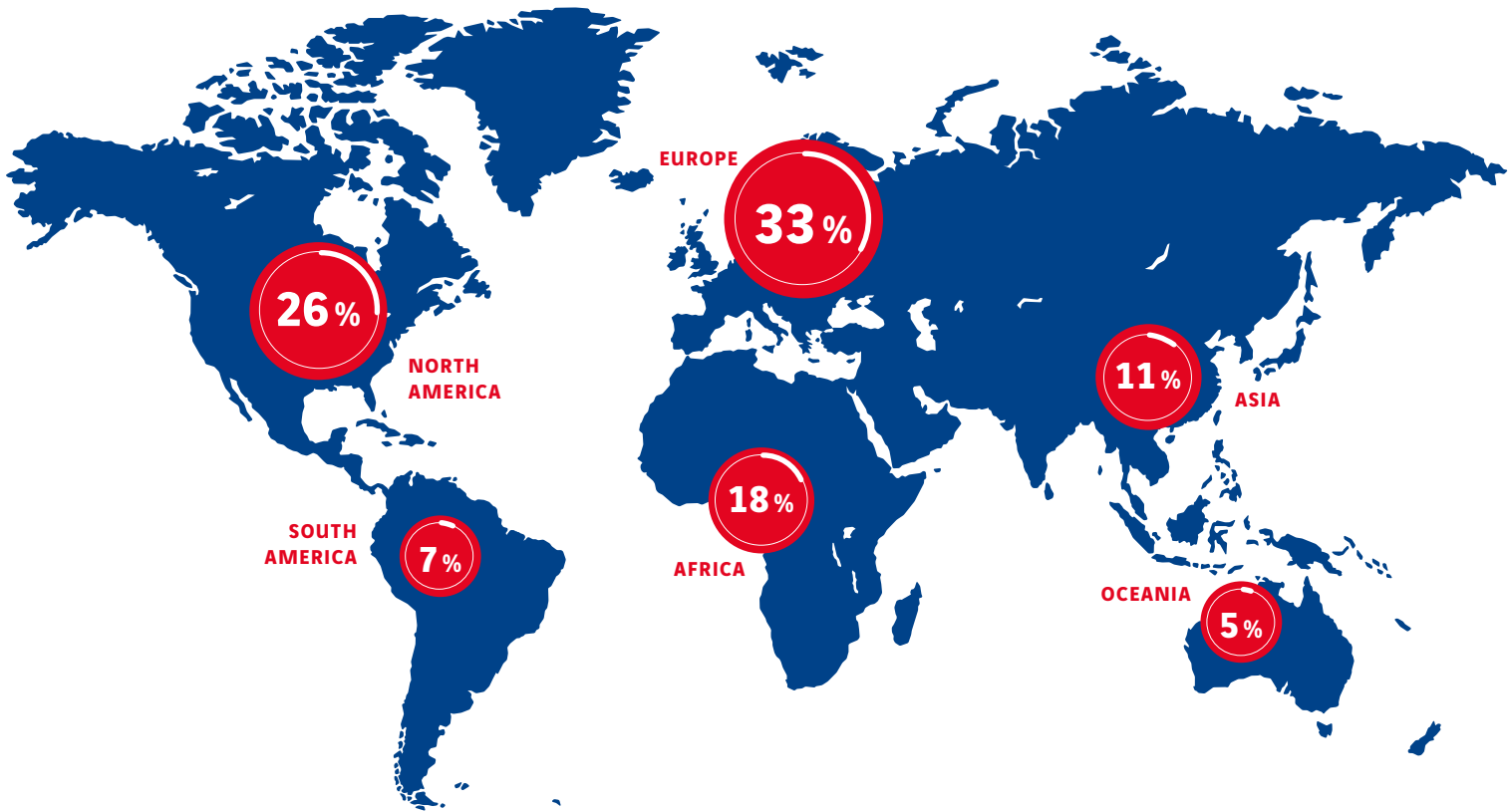
Onshore pipelines



SPIECAPAG

Spiecapag Régions France
Spiecapag Australia
HDI
HDI Lucas
HDI Latam

DISTRIBUTION OF TURNOVER BY GEOGRAPHIC ZONE



OFFSHORE

Offshore works



GEOCEAN



UNDERGROUND

Underground storage



GEOSTOCK

Geostock Sandia
Geostock Asia
UGS
Geogreen
Geostock (Mexico)

Network of regional subsidiaries with cross-cutting expertise



ENTREPOSE INTERNATIONAL NETWORK (EIN)

Entrepose (Algeria)
Entrepose DBN (Nigeria)
Intech (Brazil)
Entrepose (Mozambique)

ACTIVITIES



A WEALTH OF CROSS-CUTTING AND COMPLEMENTARY SPECIALTIES

Entrepose relies on its resources in engineering, manufacturing and construction that, combined with its expertise in project management and mastery of logistics and procurement, have made it a top-ranking reference for the most complex turnkey projects.



ONSHORE

- 1 Waste treatment and energy recovery**

— Through its subsidiary VINCI Environnement, which specialises in waste treatment and energy recovery, Entrepose designs and performs turnkey solutions. Its business has suffered from a low volume of orders in a highly competitive context, mainly on international markets.
- 2 Oil, gas and industrial infrastructures**

— Entrepose is a key player in onshore infrastructure for the production, processing, storage and transport of oil and gas. Entrepose Contracting has suffered from a significant decrease in activity, due to low investments on the oil & gas markets these past few years. However, this business line benefited from the growth in activity of local subsidiaries grouped within the Entrepose International Network (EIN), in particular in Algeria.
- 3 Onshore pipelines**

— With completion of the Trans-Adriatic Pipeline project and launch of a major construction site in Canada, Spiecapag has undergone a year of transition. It secured solid performance, relying on its specialised entities, HDI and HDI Lucas (horizontal directional drilling), and on the activity of its Australian subsidiary.



OFFSHORE

- 4 Offshore and coastal works**

— Geoclean — the subsidiary specialised in offshore works for the transport of oil products or the capture, transfer or discharge of water (pipelines, pipes, outfalls, landfalls and other coastal infrastructure) — has suffered from a decline in its activity following completion of its projects in Bangladesh (FSRU) and Peru.



UNDERGROUND

- 5 Storage of hydrocarbons**

— A global reference in the underground storage of liquid, liquified and gaseous hydrocarbons and associated surface processes and installations, Geostock has deployed a wide range of services, from feasibility studies to construction management, as well as operation. It has benefited from a strong dynamic at the international level supported by surges in activity in the U.S. and Germany, through its subsidiaries Geostock Sandia and UGS.

THE VALUES THAT DRIVE US



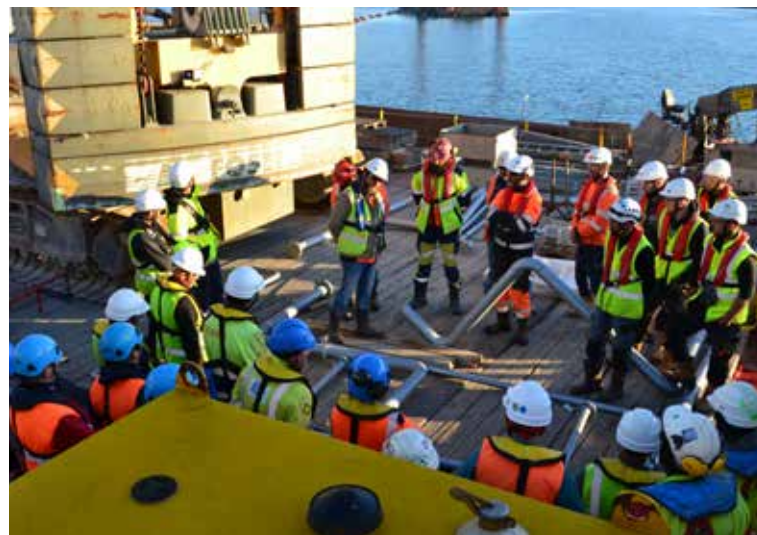
SAFETY

Safety is one of the pillars of Entrepose's operational performance, and is inseparable from the success of its projects. In 2019, in line with the CAP 2022 strategic plan, the Group launched an ambitious programme along with its subsidiaries, to place safety at the heart of performance, relying in particular on consideration for organisational and human.

An ambitious and targeted programme

Launched by the Executive Committee during the 6th edition of VINCI Construction's International Safety Week held from 5 to 11 October of last year, this programme was relayed by all the Group's entities so that it would be deployed as closely as possible to the field.

The programme focuses on five key areas, echoing VINCI Construction's collective values, and aims at enhancing individual and collective awareness of risks, at every level within the company. Managers are expected to establish the principles of a fair culture, based on an unwavering commitment to the golden rules. Team Managers, who play a crucial role in terms of safety, must now undergo mandatory training called 'Passport to Supervision' to develop their leadership capabilities. Finally, 'Alive on site' campaigns are organised at the sites, in order to help staff visualise and analyse their day-to-day practices and to adopt best practices instinctively. —



A shared culture and tools

These initiatives, implemented with immediate effect, further enhance an already well-developed safety culture, built on training, proactiveness, and shared responsibilities. As a result, in 2019 the Group dedicated over 1.3 % of its hours worked to training and to raising awareness among staff and sub-contractors working at the sites. At an organisational level, convergence of management systems, highlighted by implementation and certification of the new Integrated Management System (IMS) in 2018, and more recently by migration to the ISO 45001 standard, is part of the effort made towards continuous improvement of the company's practices and results.

Transposing digital technology to safety issues opens up a wider scope of possibilities and provides the opportunity to work together to lift, even higher, the standards which have made

Entrepose a trustworthy partner for its clients. As expected, 2019 saw BeSafe — an event management and reporting tool capable of guaranteeing that information is reliable and shared — deployed in each of its subsidiaries. With the promise of increased operational performance, in particular during our project production phases, BeSafe helps collect, process and share all HSE data with all the Group's employees. Its user-friendly interface makes it possible to display data on multiple devices (computers, tablets, smartphones) and to automatically generate statistics and key indicators. Consequently, it guarantees remote monitoring and real-time access to the sites' reports, thus encouraging implementation of appropriate corrective or anticipated measures. Its quick adoption by the entities, with guidance from QHSE Managers, confirms collective awareness and has consolidated coordination that was already extensive within the Group. —

An absolute priority on site

The perfect integration of safety-related issues is materialised in the heart of the activities. Beyond the training provided to staff, awareness campaigns, play a crucial role for understanding and preventing risks. Such campaigns are numerous during International Safety Week. Once again this year, the subsidiaries were fully committed: discussions and interactive quizzes at Geostock and at VINCI Environnement, fun activities and workshops at Entrepose International Network and Intech, OHS training at Geoclean, and dedicated Lunch & Learn events and first aid training were held at Entrepose Contracting. This year's theme, 'Know when to say stop', reflected the company's ambition to apprise all its employees of the necessary right and obligation to stop any situation considered to be dangerous.

But more importantly, these tools are used every day at the project sites where subsidiaries demonstrate their expertise. Before being deployed, all members of staff systematically took part in an engaging induction. 'Alive on site' sessions raise their awareness of risks, and encourage them to adopt shared vigilance. This is a message hammered home by the safety ambassadors via incentive programmes deployed across all sites. It is also the reason why the number of observations and interventions reported from the sites continues to remain high, with close to



150 reports a day across all sites, demonstrating the efficiency and transparency of a participatory approach. PreStart meetings also take place every day at the start of work, totalling 88,000 in 2019. These involve employees more deeply in safety management at Entrepose. This dimension is important at every level of project execution, including the design phase, with implementation of the Safety in Design process developed by VINCI. It is also evidenced through the PreTask transfer review between engineering and site construction, so as to guarantee that risks are taken into account, and necessary preventive measures are implemented during execution. —

■ **1.3 %**
OF TOTAL MANHOURS
WERE DEDICATED
TO SAFETY TRAINING

■ **88,000**
PRESTART MEETINGS
THAT TOOK PLACE
DURING THE YEAR

A brief word on safety

Entrepose's desire to manage risk and continue on the course it has been on in the past few years shines through the unfailing commitment of its employees, supervisors and managers, which has led the company to make significant improvement in its safety results. —



On an upper-tier classified site, as is the case for the Géogaz-Lavéra location where propane and butane are stored in mined caverns, safety is not taken lightly. It involves ensuring that this sensitive site, its staff, and surrounding populations are safe. Before such stakes, we have put in place an extremely

demanding approach, in line with the strong HSE culture present at Geostock and more generally within Entrepose. Working in close collaboration with the authorities (firefighters, the DREAL) implies unfaltering responsiveness, being capable of quickly communicating the amount of product stored and the flows underway, but also having an Internal Operations Plan (IOP) that's perfectly suited to the specific hazards of our site. For me, safety—and HSE in the wider sense—is above all a conviction. A certainty that preoccupies us and makes it possible for us to impose measures that can be seen as obstacles, or unnecessary precautions. But that is never what they are! Because this is the price we pay to make the necessary decisions, and to continue carrying out our assignments successfully.

Thierry Malaterre, Geostock HSE Manager

THE VALUES THAT DRIVE US



INNOVATION

Entrepose's desire to confirm its position as a major player in energy projects is manifested in the R&D policy, which focuses on developing innovative low carbon solutions. For instance, both VINCI Environnement, at the cutting edge of energy recovery and renewable energies, and Geostock, global leader in underground energy storage, are working in this direction.

VINCI Environnement intends to focus its development on two solutions which supersede fossil fuels: methanation, which is booming today in agriculture, and energy conversion of biomass into conventional fuel, which involves exploring new processes. Geostock promotes the storage of carbon-free energy (hydrogen or compressed air) in salt caverns, or geological storage of CO₂. Already active in these promising markets, it has consequently entered partnerships with specialised laboratories in order to conduct extensive studies pertaining to the issues raised by these new solutions.

Offering innovative and reliable services with a lower carbon footprint is a priority issue for the Group. The technology partnership between VINCI Construction and the Atomic Energy and Alternative Energy Commission (CEA) gives the Group access to relevant technological developments that enable to differentiate itself on future markets like large-scale storage of hydrogen or reuse of CO₂. Since last July, the relevance of this union has been applied to the maritime sector. Steered by the Chantiers de l'Atlantique and bringing together MSC,

Bureau Veritas, the CEA and Entrepose Group, the Pacboat project is supported as part of the Investing for the Future programme (Programme d'investissements d'avenir), operated by ADEME. A world first, the project revolves around installing a new type of solid oxide fuel cells designed by the CEA on board the liner MSC Europa, scheduled for delivery in 2022. Entrepose's study phase is being conducted by Entrepose Contracting and VINCI Environnement. Entrepose intends to make controlling the environmental impact of its activities one of its priorities. Several studies advanced rapidly in 2019, with a view to improving the Group's energy efficiency, in particular with regard to monitoring construction site equipment. This is a topic in which Spiecapag is actively taking part under the auspices of Digital Hub and VINCI Construction. Likewise, solar power to supply both camps and tools is also part of the ongoing developments.

Digitisation of construction sites is another major focus for the Group's development. Digital Site, an application produced by Sixense (VINCI Construction) and tested by Intech in Brazil and Entrepose Contracting on the Aquarius project, is used to report all quality and security related observations on a tablet. They are then transferred, through a secure connection, to a server which can be accessed both by operators on site, and managers at headquarters. Totem, with its giant touchscreen and access to the site's 3D models, was heralded on the Aquarius project. A second Totem is now available to the teams at Entrepose Algérie, and the momentum should grow for projects starting after 2020.

The implementation of shared software programs and streamlining of management tools with VINCI Construction also presents an opportunity for Entrepose, at the forefront of these efforts, to continue improving its productivity.

Enhancing our innovative services offer, made possible by research programmes on carbon-free energy, are therefore at the heart of the Group's strategy to be as close as possible to its clients' needs and tomorrow's challenges. —



If people had told me in high school that I would be working diligently with

the CEA (the French Atomic Energy Commission) I wouldn't have believed it! Today, the CEA is also the Alternative Energies Commission - a new mission that changed the way we looked at this state-run research organisation - and the technological partnership set up in 2017 provides us with exclusive access to their patent portfolio.

Several of Entrepose's entities are involved, as most subjects fall within the scope of the energy transition, which is in line with our strategic focus on 'innovation and clean energy'. The first collaborative project began this year, called Pacboat.

It pertains to development of the CEA's fuel cell and its supporting system in order to reduce cruise ship CO₂ emissions. Others will follow! This is more than just a trend or misguided enthusiasm; we must commit to a sustainable planet and both find our place and contribute to it! I have absolutely no doubt in our ability and will to achieve this.

Franck Rogez, Entrepose Group R&D Director

THE VALUES THAT DRIVE US



ETHICS & QUALITY

— ETHICS

Exemplary conduct, established as Entrepose's highest-priority value, is at the heart of all its activities. Its commitment to complete transparency and irreproachable behaviour at all of its operational sites contributes to enhancing the Group's actions, and building trust with its clients and stakeholders.

Fully aligned with the message conveyed by its governing structure, Entrepose has continued to deploy the action plan implemented by VINCI and VINCI Construction, which combines harmonisation of working methods with respect for differences, from one entity to another. Initiatives include risk mapping, audits to assess the risks linked to third parties, and implementation of a network of correspondents within the subsidiaries, all of which address the challenges faced by all employees in terms of information and empowerment.

A cornerstone of Entrepose's ethical culture, staff awareness raising and active participation are made concrete in the e-learning modules available to all employees since 2018, beyond the training offered to those who are exposed to the most risk. Furthermore, the VINCI Integrity platform also makes it possible to report any infringement of the Group's fundamental rules. In addition to guiding its actions, they are highlighted in the dedicated charters and codes (HSE, environment, ethics, anti-corruption etc.) which are widely distributed.

Finally, the Group is committed to the General Data Protection Regulation (GDPR) which entered into force on 25 May 2018. Transparent communication, data security and legitimate conservation are basic principles within the company. The deployment of shared digital tools also contributes to this sustained effort. In addition to informational documents and good practices issued to all employees in order to raise their awareness on their rights and

obligations, a dedicated module was added to VINCI's Up! e-learning platform. Furthermore, appointments were made in every subsidiary in order to have a point of contact in place to address these key issues.

The Policy on ethics instilled by Entrepose relies on shared ambitions and responsibilities, the result of a deep-rooted, and veritable collective awareness. —



Impeccable behaviour should not be seen as a burden, but as an opportunity and a driving force.

Profitability and competitive advantage come first, but they're not all! Employees are a thousand times more motivated knowing that they work for a company that praises ethical behaviour and has values they can stand by.

Our stakeholders (shareholders, banks, partners, etc.) also find reassurance in good corporate governance and risk management which proactively and sincerely take ethics and compliance issues into account.

But what if you don't always know what you should do, or not do, in a given situation? There's no harm in asking! An environment where employees can express themselves freely is a sign of a well-managed company.

I think that we all aspire to be an ethical company. Active participation in it as individuals, as part of our daily routine, is a good starting point. It's important to remember this and work on doing it!

Jeanette Jansson, Entrepose Group Legal and Insurance Director and Ethics Coordinator

— QUALITY

Entrepose's ambition is to provide its clients with optimised technical solutions by relying on its wide array of business expertise. In this regard, the Group has continued to deploy its unique Integrated Management System (IMS) in order to streamline and promote good practices within all its subsidiaries, thereby simplifying the company's international operations.

In 2019, Entrepose successfully transitioned to ISO 45001 certification for health and safety at work. This certification supplements those already obtained in quality management

(ISO 9001) and environmental management (ISO 14001) from an internationally-recognised certifying body.

Entrepose Algérie, Geocan and Entrepose IKL have also been added to the scope of these three certifications, alongside Entrepose Contracting and Entrepose Group. By 2021, all the subsidiaries present in France and abroad will be integrated.

Comprised of experts from the various subsidiaries' business lines, thematic committees play a key

role in facilitating processes and contributing to their continuous improvement. Witnesses to this dynamic, project teams have made steering of EPC projects more robust so as to offer streamlined tools to all of the subsidiaries as well as an extensive training cycle called Project+ (see page 24) for staff involved.

The Aquarius project, which gathers together three of the Group's subsidiaries, showcases the benefits of an integrated management system when it comes to synergy. —



► Launch of the Pacboat project



Take a look at our latest news
www.entrepose.com/en/news/

THE VALUES THAT DRIVE US



ENVIRONMENT

Controlling the impact of its activities is a crucial marker for Entrepose's operational performance. A global player in the energy industry, it strives to include this dimension in the entire lifecycle of its projects. Beyond the requirements of contracting parties and stakeholders, the Group is convinced that the future of its business lines resides in seeking more eco-friendly solutions. This is why it has implemented a proactive approach in all its entities in order to improve energy efficiency.



► Spill response training in Canada

3 focuses

CIRCULAR ECONOMY AND ZERO LANDFILL WASTE OBJECTIVE; NATURAL ENVIRONMENT AND WATER; AND RENEWABLE ENERGIES

25 %

THE SHARE OF RENEWABLE ENERGIES IN TURNOVER TARGETED BY GROUP FOR 2022

Collective awareness and commitment

At a crucial stage, this programme relies on the mobilisation of all employees. Awareness-raising efforts have increased, at the initiative of management, but also staff. As a result, in June, Entrepose DBN planted 100 trees in Port-Harcourt (Nigeria), while Spiecapag Régions France teams collected and recycled over 10,000 cigarette butts through Brittany-based (France) company MéGO, which upcycles 100 % of this waste. In association with the European Week of Sustainable Development, VINCI Environnement held a conference on the circular economy with Ekodev, a company specialised in supporting businesses in their implementation of innovative and collective initiatives on these key issues. It also organised a creative recycling workshop. On the Aquarius

A new direction in favour of the environment

The role of Environnement 2022 is to lead the company in a new direction. The programme sets forth the guidelines for this commitment and helps Entrepose acquire a genuine tool to support reducing its carbon footprint. It will evaluate each subsidiary with a view to launching a plan of action, then working together to achieve the specific target figures announced in VINCI's Environnement 2030 plan. Steered by a task force that brings together board members and various department heads from the Group's subsidiaries (Purchasing, Construction, HSE, Finance), it has focused on three priority areas since the last quarter of 2019. These are the circular economy and the zero landfill waste objective, the natural environment and water in order to work towards zero impact of its activities, and the growth of renewable energies (25 % of revenue in 2022). —

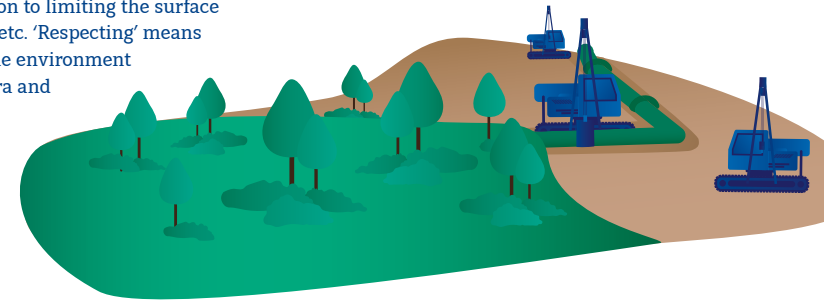
project, Entrepose worked to improve how it carries out waste management, tracking and disposal. It also chose to use more eco-friendly equipment, such as hybrid hydraulic excavators (significantly limiting consumption, CO₂ emissions, and vibrations) or biodegradable hydraulic fluids, both for internal and leased equipment. Also, crushed materials extracted from trenches was reused as backfill, and Remea, a VINCI subsidiary, was commissioned to analyse and remove polluted soil. Initiatives were added to supplement the various steps taken to protect animals, including rendering certain areas less favourable and providing alternative habitats so as to preserve amphibian and reptile nesting areas around sites.

On 21 September 2019, all of Entrepose Contracting's subsidiaries took part in International Clean Up Day, at both offices and sites.



The environment is a critical factor in implementing our projects. It is what makes our execution models and our strategies sustainable. VINCI and Entrepose have laid out a set of commitments in a document entitled Together, to which we must adhere, and on the basis of which we carry out ad hoc actions. I personally implement these commitments through two objectives: transmitting and respecting. 'Transmitting' means planning and developing a project in harmony with its environment and ecosystem, for example, optimising energy use, limiting our carbon footprint, in addition to limiting the surface area occupied, replanting trees after infrastructure handover, etc. 'Respecting' means reminding ourselves that we are responsible for preserving the environment through our actions and words, for example, by respecting flora and fauna and raising awareness among employees. I'd like to remind you of a quote from Saint Exupéry: 'We do not inherit the Earth from our parents, we borrow it from our children...'

David Castelli, Entrepose Contracting Project Manager



► Teams from Entrepose Industrie in Dunkirk, France, took part in International Clean Up Day

It was an opportunity to collect more than 700 kg of waste, to debate on the role that each and every employee plays in reaching Group objectives and to turn these simple actions into everyday routines. It was a chance to showcase the search for recovery solutions tailored to nature and to the infrastructure available in the countries where the Group operates, which made it possible for Spiecapag to achieve a waste recycling and recovery rate of 70 % at its sites!

In 2019, this collective awareness continued at the heart of Entrepose's activities, through projects conducted by the Group's

subsidiaries. Spiecapag has continued planting varieties from local plant nurseries on the Trans-Adriatic Pipeline (TAP), an initiative launched last year. This represents a total of almost 300,000 plants — along with erosion control and implementation of a hydroseeding system, — as part of revegetation of the gas pipeline's route. Its Dunkirk-based staff (France) also launched a study on the design of a connected cap, designed to optimise fuel consumption of construction equipment. Entrepose Algérie worked on using renewable energy via photovoltaic panels to supply the hot water tanks for its housing in Hassi-Messaoud. It was an experiment tantamount to a

test, before implementation on all its sites in 2020. Other subsidiaries stood out for their desire to improve their energy performance. Geoclean is studying implementation of new sources of renewable energy on its barge (Protis), Entrepose Industries has finished revamping its heat treatment furnace so as to significantly reduce its gas consumption, and Geostock's head office operates exclusively on green electricity.

Entrepose IKL also joined VINCI Environnement, Geoclean, Entrepose Contracting and Spiecapag in the list of entities with ISO 14001 certification. This recognition rewards efforts made in recent years to reduce the environmental impact of its activities, such as acquisition of retractable and easy-to-deploy solar panels for its projects.

This dynamic, which will continue and intensify in years to come, can also rely on streamlining of the processes implemented at the Group level. The environmental section of the BeSafe tool (see page 14), open and accessible to all, ensures instantaneous and transverse information reporting. Sharing data enables collective analysis to be done by multiple entities, both facilitating this and implementation of appropriate measures, in line with the goal of drastically reducing Entrepose's impact on the environment. —



COMMUNITY INVOLVEMENT - CSR

Entrepose's vocation, through its ability to work all over the world, in environments which are sometimes complex, is to contribute to providing energy access to all. A reference in the gas and oil industries, a player in energy recovery, and committed to finding innovative carbon-neutral solutions, Entrepose must meet the human challenges linked to its growth and international performance.

Being a player in local development

Entrepose is committed to participating in the socio-economic development of the regions where its entities conduct their activity.

Through its regional subsidiaries, sustainably established and regrouped for the most part under the umbrella of the Entrepose International Network (EIN), it encourages a local employment dynamic. Expatriates only represent 1.5 % of Intech's staff in Brazil and Entrepose Algérie, and 8 % of Entrepose DBN in Nigeria, all three being subsidiaries of the Entrepose International Network. The same applies to Entrepose IKL, an Indonesian subsidiary of the Group, for which the figure is 6 %. Internal training and knowledge-sharing are at the heart of preserving the immutability of our expertise.

Well-versed in international projects, Entrepose applies this same logic to all its operational sites. Including local communities is important. Thanks to the presence of dedicated managers, they are involved before the project starts and until completion. These managers encourage relations with all stakeholders at numerous sites, and build trustful relationships throughout all operations. Close to 40 % of Spiecapag Australia's project workforce comes from local communities. These also benefit from the Group's purchasing policy, that promotes calling upon local companies in its supplier network whenever possible (17 % for the subsidiary). On all its international projects, nationals represent over 80 % of the workforce employed. This commitment is also echoed by the support it provides in the event of incidents or natural disasters. For example, last June it supplied the Floq and Qafezez (Albania)

communities with emergency aid following a major earthquake by donating, among other things, blankets and over 4,600 meals.

Entrepose Contracting and its client BP France acted jointly for the sustainability of associations from the Hérault region in France, nearby the Aquarius project (see page 29). Consequently, they donated € 5,000 to four associations involved in reinforcing social connections with young people from disadvantaged neighbourhoods (Cap au Large), supporting women who are victims of domestic violence (CDIFF), implementing solidarity and socio-cultural initiatives (Concerthau), and saving lives at sea (Société Nationale de Sauvetage en Mer).

Likewise, commissioning of the Envol project hybrid solar power plants in Madagascar, was performed during the summer. These plants aim to supply electricity to 4,000 people in the Atsimo-Andrefana region. VINCI Environnement had provided a financial contribution of € 1,500 to Fondem, which promotes access to electricity in rural areas, mainly in Africa, Madagascar and Southeast Asia. They also promote renewable and eco-friendly energies such as biomass and hydraulic energy.

4,600
MEALS SUPPLIED TO THE FLOQ AND QAFEZEZ COMMUNITIES (ALBANIA) FOLLOWING A MAJOR EARTHQUAKE



► On the Aquarius project, the Group supported local associations



Being an entrepreneur means having responsibility.

It's not enough to just do 'good deeds' or carry out ad hoc operations as we did recently at the TAP project when we helped local populations during the earthquakes in Albania. We often forget that our responsibility extends far beyond this.

The environment, human rights, biodiversity, ethics, and socio-economic development are fundamental, and must be taken into account well in advance. It's all about respecting our values! They translate into calling upon a network of local subcontractors and suppliers, favouring recruitments from local communities according to pre-established social criteria, and providing training for them. This also entails ensuring health and safety at work (e.g. setting up clinics at our camps in Papua New Guinea), having dedicated staff members to communicate and share with all populations, minimising the impact of our activities, and improving infrastructure... the list goes on.

Our social responsibility really takes shape through our many operations, which are in tune with the challenges our clients face. Our mission is to carry out our projects under the overall approval of the stakeholders involved (institutions, communities, local partners, etc.). Everything that contributes to this represents both an operational, and societal, success for each one of us!

Alain Gauthiez, Spiecapag QHSE and CSR Director



► Spiecapag Australia took part in a Communities Day organised on the Northern Interceptor project

Supporting education...

Access to education holds the promise of a more equal society, to which Entrepose strives to contribute.

In March 2019, in conjunction with the Créé ton avenir association, it hosted 16 secondary school teenagers from Priority Educational Areas at its headquarters in Colombes. This initiative, similar to VINCI's Give me 5 programme and led by Human Resources teams, was supported by employees and various departments within the company, who participated in educational and recreational workshops on the theme of 'Major projects abroad: how to attract young people', before the teenagers presented their conclusions to the members of the Executive Committee. Entrepose decided to repeat this programme for the second consecutive year, and open its doors to high school students in June 2020. It is an opportunity to engage with these young people and bring their vision of the business world face to face with the experiences of the Group's employees, and to build an inclusive and shared approach with them.

In the same vein, regrouping of the French subsidiaries was made possible when VINCI Environnement joined the premises in Colombes, before construction of the new VINCI headquarters scheduled for 2021. It was an opportunity to donate an important quantity of IT and office equipment to five local associations including l'Ile aux Langues — that encourages integration of migrants as well as social diversity, by providing French lessons — as well as to a primary school in Asnières-sur-Seine. A similar initiative was launched in June by Entrepose IKI with a secondary school in Indonesia. The subsidiary also provided emergency aid to affected populations following the floods suffered by the country last January, organising donations of equipment and school uniforms as well as hot meals and drinking water. Not to be outdone, Entrepose Algérie also made a donation of computers to the Saber Inal association for children studying Braille. The relationships built with schools are also



► Donation of supplies to a school in the Île-de-France region

one of the Group's policy's main focuses, so as to encourage emergence of new talent. This is why the Group has increased its presence in student trade shows, alongside VINCI. It fosters employment of people under 30, with over 50 contracts signed this year, and encourages sending IVBs (International Volunteers in Business) to projects in conjunction with Business France. The group's subsidiaries are not to be left out of these initiatives. Spiecapag enjoys strong relations with the Egletons Centre, specialised in training Site Managers, and in equal opportunities and diversity. It supports awarding grants to students seeking to pursue a career in pipeline construction, via its membership in the IPLOCA association. As for Spiecapag Australia, it called upon the Design & Technology Department of Miles High School to manufacture scale models of sidebooms, distributed to each team as a reward for the work carried out, in full safety, on the Atlas project. In relation to that, the sum of AU\$2,000 awarded to the school allowed it to purchase a new machine tool.

A similar action was undertaken by Entrepose DBN, which finances grants for local students. This same subsidiary also furthered its digital marketing and project management training programme designed for Nigerian students and craftspeople. Rooted in the deployment of the country's Local Content Act, these training courses aim at promoting the attractiveness of the oil and gas industry. —



...And diversity

In light of its regional integration and its broad spectrum of expertise, the Group anchors its growth and competitiveness in the wealth and diverse profiles of all of its employees. The company has striven to promote them, through an initiative led by Human Resources in the form of interviews with employees from different entities, underlining their career path, their position and their progression within the Group. Furthermore, Entrepose contributed to the white paper published by Allyteams, a company whose main objective is connecting high-level athletes with the world of business, during and after their careers.

Its commitment also revolved around employing people with disabilities. Beyond partnership with Ovale & Sens — the adapted rugby division of the MLSGP 78 club (France) for people suffering from physical and mental disabilities — it got involved in the European Disability Employment Week (EDEW 2019). Taking place from 18 to 24 November 2019, subsidiaries were engaged and supported by Trajeo'h, VINCI's association specialising in disability at work. As a result, they conducted a large operation revolving around activities proposed to their employees. Entrepose Contracting organised a 'Sign Language Café' in the presence of an interpreter to raise awareness around mutism. An escape game, a team board game on the topic of disabling conditions was also organised,

as well as a complex Lego building activity where each team member contributed to the structure all while experiencing the challenge of a specific disability. At the same time, an email campaign was launched with a view to raise awareness on using French establishments for work reserved for disabled people, (known as ESATs in French) and companies with adapted structures, as well as acknowledging and integrating people with disabilities. Geoclean was far from

outdone with a series of recreational workshops revolving around sign language and Braille, sharing stories, and a poster campaign in all its offices. As for Geostock, it participated once again in the Rueil-Malmaison intra-company race organised by the Special Olympics to benefit people with mental disabilities, and facilitated training sessions. —



► Entrepose IKL provided emergency aid following the floods in Indonesia

Encouraging community initiatives

Initiated a few years ago, encouraging participation in solidarity races, has now become a tradition. Consequently, the Odyssey race (in France) brought together several dozen employees last October who ran 5 or 10km for the Gustave-Roussy Institute to fund breast cancer research. Geoclean also joined in by sponsoring its employees' participation in the 20km Marseille-Cassis race (in France) for the second time running. On this occasion, they decided to support the charity Sourire à la vie, which supports children with cancer by developing multi-activity workshops in treatment centres, as well as organising excursions or trips away. Above and beyond its employees' participation in Community Easter activities in São Paulo orphanages, Intech organised a clothing drive in June at the start of winter, as well as a book donation to a community library in Héliopolis.

Similarly, the release of Entrepose's serious game called 'Inside Entrepose' produced a financial contribution of € 3,500 for Rifhoph, a charity helping families and children suffering from cancer who are hospitalised in the Île-de-France region.

A great number of Entrepose employees also got involved in associations that are supported by the 'Fondation VINCI pour la cité', including Activ'Action, which works for professional reintegration of unemployed people, and Kodiko, which does the same, but for refugees. The latter, and Planète Urgence, with whom the Foundation organises solidarity leave trips that enable the financing of humanitarian or social trips, were invited to give a presentation on their activities to the Group's staff in Colombes during an event held on 28 January 2020. —



► Odyssey solidarity race

■ **More than 90%**
THE RATIO OF NATIONALS
IN THE EIN REGIONAL
SUBSIDIARIES WORKFORCE

THE VALUES THAT DRIVE US



HUMAN RESOURCES

Placing women and men at the heart of its strategy, Entrepouse has a proactive policy for developing talent, career paths and promoting diversity.

Offering an environment conducive to skill development...

Entrepouse's Human Resources policy endeavours to make each employee the key player of their professional development. This is why training is at the heart of its commitment. In conjunction with management and dedicated correspondents, every employee builds their own training plan in line with their missions and aspirations.

Personal fulfilment and new skills development foster a long-lasting career path within the Group. From this ambition, the International Mobility Charter was created in the form of a practical booklet, entering into force on 1 January 2019. The charter is a response to Entrepouse's international presence and the development of its regional subsidiaries, as well as optimisation and tailoring of career management. As a result, employees are offered a fair and transparent framework for their foreign assignments, taking into account the Group's management practices and specificities of its

business lines. Affirming employee potential and providing opportunities for development within the entities or, on a larger scale, in the various VINCI divisions, is therefore a major focus in transmitting and sharing know-how, while at the same time reinforcing shared values and corporate culture.

A cornerstone of the Group's operational excellence, continuing professional development is a significant asset serving the company's growth. Entrepouse dedicated over 37,000 hours to training in 2019, made available to over 70 % of its employees, a 10 % increase compared to the previous year. This expansion made it possible for 1,900 employees to receive training in various topics, such as health and safety (29 %), technical subjects (28 %) but also on administrative aspects and ethics, to which three times the number of hours were dedicated. Their broad spectrum and complementarity — guiding principles of the Group's training policy — drive the synergy found within the entities, departments and teams and, ultimately, operational excellence.

The training courses launched in 2018 called Project+ and Feedback, were also provided to an increasing number of employees. The former is intended for Project Managers and their key staff, with a view to further strengthening their skills managing complex projects, while the latter is designed to support Managers in their employee annual reviews. —



► Creative workshop on the new VINCI headquarters, called Archipel



... In a context of knowledge digitisation

Like all of the Group's other functions and departments, Human Resources is undergoing changes in its ecosystem, in favour of digital learning. A demand for flexibility, in an international context where Entrepouse carries out complex projects all throughout the world, must provide employees with an agile path as well as instantaneous access to knowledge. Consequently, Entrepouse has acquired new tools that more adequately meet such needs. These include a new digital platform, cornerstone of the new employee integration process (Get on Board), a serious game focusing on business lines and subsidiaries' technical expertise (Inside Entrepouse), and a mobile application designed to develop training modules covering behaviours or soft skills, in other words, corporate social skills (Digilearn). They all meet the need to alleviate time and location constraints. The objective? Guaranteeing a tailored career path, by providing unrestricted access to interactive, dynamic content.

The optimisation of resources is also echoed by the management tools made available to staff. From 1 January 2020, the Sibylles payroll software suite provides a common framework for all employees based in France or abroad, working under a French employment contract. The system can be used to submit their requests for time off. —

Acting in the name of diversity and gender equality

Promoting diversity is a major focus of Entrepouse's Cap 2022 strategic plan. True to the values supported by the Group, a richly diverse workforce is also a gauge of improved performance. This conviction, coupled with the will to open its professions to women and broaden their perspectives, aided effective implementation of the 'Women at Entrepouse' programme, set into motion in November 2018 during a premier event at Léonard, VINCI's forward-looking platform for innovation. Its primary objectives are feminising Senior Management teams, with a target rate of 25 % for 2025 (20 % in 2019) and guaranteeing an environment conducive to career development. Steered by a joint committee representing all entities, this initiative is also driven by active participation of employees in the Group's internal social network.

Through this platform, sponsored by two members of the Executive Committee, the Group is giving substance to its will to raise public awareness (among students, employees, stakeholders) by broadcasting films, conducting studies or holding events. A first edition

of an event in this programme focused on assertiveness, and was led by a former high-level female athlete at the end of December. It enables the company to take practical steps in favour of gender balance in its business lines in order to reach and maintain equal pay on a sustainable basis, but also to offer solutions for more easily balancing ones' professional and personal life, in particular with regard to time off and return from maternity leave. Likewise, Entrepouse is taking part in Ariane, a selective remote coaching programme launched by VINCI Construction in September and open to women in the company who aspire to reach upper management and expert positions. They receive personalised guidance that helps open the doors to joining the ranks of their peers at this level. Ariane also provides managers with sessions designed to help them support female employees who are realising their potential. For its part, VINCI Environnement saw its certification renewed on the basis of its exemplary conduct and commitment to preventing discrimination, to respecting equal opportunity, and promoting diversity in how it manages its human resources. They have held the Diversity label (AFNOR) since 2016, alongside ten other companies in the VINCI Group. —



Workforce

In light of deployment of Entrepouse Contracting and Spicapag's teams on new major projects in Canada and Russia. —



2,471
GROUP'S AVERAGE
WORKFORCE



7%
INCREASE COMPARED
TO THE PREVIOUS YEAR



20%
OF EMPLOYEES
ARE FEMALE



A company's development depends on its ability to adapt to its ecosystem and to cultivate agility in order to remain competitive. To achieve this, it is up to Human Resources to monitor and encourage our women and men in their continuing professional development.

One of our primary concerns is managing to successfully put into place the conditions that will allow each person to learn, develop and share their knowledge, habits and experience. What fosters the individual satisfaction of our staff is a driver for the growth and well-being of the Group!

And in a 'project' focused company environment where employees are often scattered across the globe, it is crucial to redefine the boundaries of training, and reinvent ways to learn. With the various tools deployed this year, the Human Resources Department has taken a marked, and voluntary turn towards all things digital. The serious game, for example, allowed us to break free of our individual organisations and broaden the horizons for everyone. Getting to know our business lines, challenges, and daily routines also contributes to mirroring and to building rich career pathways within the Group.

Our ambition is to continue to guide each employee as they evolve, helping them to develop new talents. Growing both individually and collectively. This is what gives our commitment meaning as well as our profession!

Anne Berder, Entrepouse Group Human Resources Development Manager



OUR PROJECTS EUROPE



ONSHORE

The Albanian part of the Trans-Adriatic Pipeline on the verge of completion

📍 **Albania.** After having completed 185 km of a 48-inch gas pipeline in Greece at the end of 2018, Spiecapag continued the work undertaken on the Albanian part of the Trans-Adriatic Pipeline (TAP).

These two 215-km long sections posed technical challenges to the teams deployed between Biliisht and Tropoje, up to an altitude of 2,000 metres, on terrain with particularly complex geological properties. Delivery of the project, which should occur this year, will ensure gas is transported from Azerbaijan to Europe. —

215 km
OF PIPELINE

2,000 m
IN ALTITUDE



OUR PROJECTS EUROPE



ONSHORE

Multifaceted expertise deployed to foster growth

📍 **Spain.** Entrepose Industries, an Entrepose Contracting subsidiary based in Dunkirk and specialised in the design and manufacturing of custom heavy boilerworks, completed the construction of six spheres with a capacity of 6,900 m³ each, as well as two fire protection tanks last October. Manufactured on behalf of its parent company, they were intended for their client Compañía Gas Licuado Zaragoza, for an LPG storage site in Cartagena, Spain. It will also play its part in the extension of the Yamal LNG site and the construction of a storage tank in Canada (see pages 35 and 40), sustaining strong activity for 2020. It will prefabricate 9 % nickel components for storage tanks and roof sections, creating new opportunities to showcase its globally-proven expertise. The Top Supplier trophy awarded by Bechtel during its annual award ceremony held in Reston, Virginia (United States) celebrating logistics excellence testifies to this recognition. Entrepose Industries received this award for its participation in the Pennsylvania Chemicals project for which it manufactured and shipped three storage spheres with a capacity of 2,800 m³ and another sphere of capacity 4,000 m³, made of 9 % nickel. —



ONSHORE

Horizontal directional drilling for wind energy

📍 **Portugal.** In the heart of Portugal, in Viana do Castelo, in the northern region of Minho, HDI teams have completed the construction of a landfall for its Chinese client Hengtong. With a diameter of 24 inches and length of 648 metres, the purpose of this landfall was to connect a floating offshore windfarm — representing 25 kVA in power — to shore, to supply REN's (the end client) electricity grid. The drilling method recommended by the subsidiary, called 'push ream', allowed them to propose an innovative and competitive solution, requiring no offshore assistance. The project, which demonstrates once more HDI's capacity to adapt, was successfully completed at the end of June, after six months of work. —



OFFSHORE



ONSHORE

The combination of VINCI know-how in action

📍 **France.** The Aquarius project sheds light on the synergies developed within VINCI, in the construction of a new supply line for the Frontignan oil depot with a pier for vessel docking, on behalf of BP France. Entrepose Contracting, leader of the consortium bringing together VINCI Maritime et Fluvial (VCMF), Francilis, Geocean and Spiecapag Régions France (SCRF), saw continuance of the works that began in October 2018. This year, SCRF led the construction of a 24-inch, 3.4 km-long onshore pipeline which included the trenchless passage under railway tracks by micro-tunnelling.

It was rounded off by installation of a 1.4 km-long offshore pipeline, by Geocean, that extended to the new loading and unloading pier, using a specially equipped barge. Installation on the maritime platform, by Francilis, of the process equipment, catwalks, metal structures and process networks as well as electricity and instrumentation, should enable connection to existing infrastructure and ensure the project is completed before summer 2020. —



ONSHORE

Revamping of the Reims energy conversion centre

📍 **France.** Built nearly 30 years ago by VINCI Environnement, the Reims energy recovery unit (ERU) has benefited from extensive revamping. The inauguration of these new facilities took place on 6 June 2019, and was an opportunity to celebrate three months of modernisation work carried out by Entrepose's subsidiary on two incineration lines. Since the plant's commissioning, they have conducted several interventions on behalf of Veolia, the operator, in order to adapt the infrastructure to the changing nature of the waste treated. This year, its staff replaced 2 metre wide roller grates, leaving the entire original structure and motorisation fully operational. This underscored the longevity of the solutions developed by VINCI Environnement, and their ability to adapt to their clients' needs.

The ERU now processes 60,000 tons of final-disposal waste produced each year by the 300,000 inhabitants of the Reims urban area. In addition to producing thermal energy that supplies the urban heating network of the Croix-Rouge district, it now also produces 12,000 MWh of electricity, equating to the consumption of over 5,000 inhabitants.

Furthermore, revegetation of an area was carried out in conjunction with the Reims Champagne-Ardenne University in order to encourage development of the local fauna and flora. As part of its partnership with the Bird Protection League, a nesting box for peregrine falcons was installed on the plant's chimney. —





OUR PROJECTS EUROPE



ONSHORE

Optimising material, biological and energy recovery from waste

📍 **France.** At the end of February 2019, VINCI Environnement was commissioned by Méthabaz to implement the equipment for a new methanation plant, in conjunction with its partner Cathelain. Located in the Marne region (France), its purpose is to produce biogas using exclusively agricultural products (beetroot, manure, straw). Methanation takes place in a KOMPOGAS® triple digester, using a dry process. It enables the biogas produced by anaerobic digestion from this waste to be injected into the natural gas network. The digestate from this process will then be used in agriculture as a good quality fertiliser. The work is set to begin in 2020. —

36,400 t/year
OF AGRICULTURAL WASTE



ONSHORE

Modernisation of gas pipelines in La Rochelle

📍 **France.** In September 2019, Spiecapag Régions France successfully completed restructuring of the natural gas transportation capacity from the La Rochelle conurbation. In September 2018, the subsidiary won a contract to manufacture a gas pipeline with a diameter of 6 inches and a length of 7.7 km. The work involved horizontal directional drilling in several locations, creating and modifying two branch pipes 650 metres in length, and creating, extending and modernising several distribution stations.

A change in the regulations imposed on its client, GRTgaz, meant the network had to be modernised. The new pipe system ensures that natural or treated gas is supplied to various industrial consumers and distributors over the entire conurbation, meaning that by 2020, over 10 km of the gas pipelines installed in the 1960s will no longer be in use. This large-scale project involved, among other things, HDI performing the longest directional drilling ever undertaken for a GRTgaz project (1,230 metres). —

7.7 km

THE LENGTH OF THE 6-INCH
GAS LINE



ONSHORE

VINCI Environnement, player in the upcoming Geneva ERU

📍 **Switzerland.** In Geneva, VINCI Environment will offer the SIG (Industrial Services of Geneva) its expertise to construct the new Cheneviers IV factory, which will process, manage and recycle waste. The existing facilities, built in 1966 and successively expanded, are the canton's third largest electricity producer. Dismantling existing facilities and construction of the new plant, all while keeping the site running, is a challenge for the teams. They will soon tackle the engineering, procurement, assembly and commissioning of the incinerator, the boiler, and on the flue gas treatment of the two incineration lines, whose capacity is 10 tonnes per hour.

More environmentally-friendly than the previous plant — in particular thanks to specific measures improving the quality of air and water, and addressing protection of the flora and fauna — this unit, scheduled to be operational in 2025, will make it possible to process 160,000 tonnes of waste per year, as a result of more effective sorting at source. —

10 t/h

CAPACITY OF THE TWO
INCINERATION LINES

160,000 t/year
OF WASTE



OUR PROJECTS AMERICA



OFFSHORE

Completion of maritime operations on the La Pampilla terminal

Peru. In September, in particularly difficult sea conditions, Geocean completed offshore building work for La Pampilla's fourth maritime loading and unloading terminal. The largest refinery in Peru, it represents 54 % of the country's refining capacity. Involved in the project for the past two years, Geocean installed two new 18-inch underwater concrete-coated pipes, each 4.2 km-long, and

an SPM-type surface buoy which is also used to moor tankers while loading and unloading oil products. They incorporated a 120-tonne PLEM located on the seabed and its ballast system, six anchors and their mooring lines to the buoy, and underwater and umbilical surface risers. Onshore preparatory work consisted of preparing for the installation of offshore pipes and cables and finalising and securing the landfalls. An anti-corrosion system using impressed current protection, and construction of a 150 m-long pipeline protection breakwater from the coast out to sea, completed this work close to the refinery.

This new terminal, long-awaited by their client, REPSOL, must prevent port facilities from having to close regularly because of storms and powerful waves that would otherwise interrupt operations, such as unloading hydrocarbons. This project, which has deployed close to 200 people since start of work at the site, made it possible for Geocean to develop its activity in South America and to expand its fleet with acquisition of a second barge called Geocean Yagana. It will, furthermore, provide the company with the means to reinforce its presence in the region. —

120 t

THE WEIGHT OF THE PLEM
LOCATED ON THE SEABED

54 %

OF THE COUNTRY'S REFINING
CAPACITY



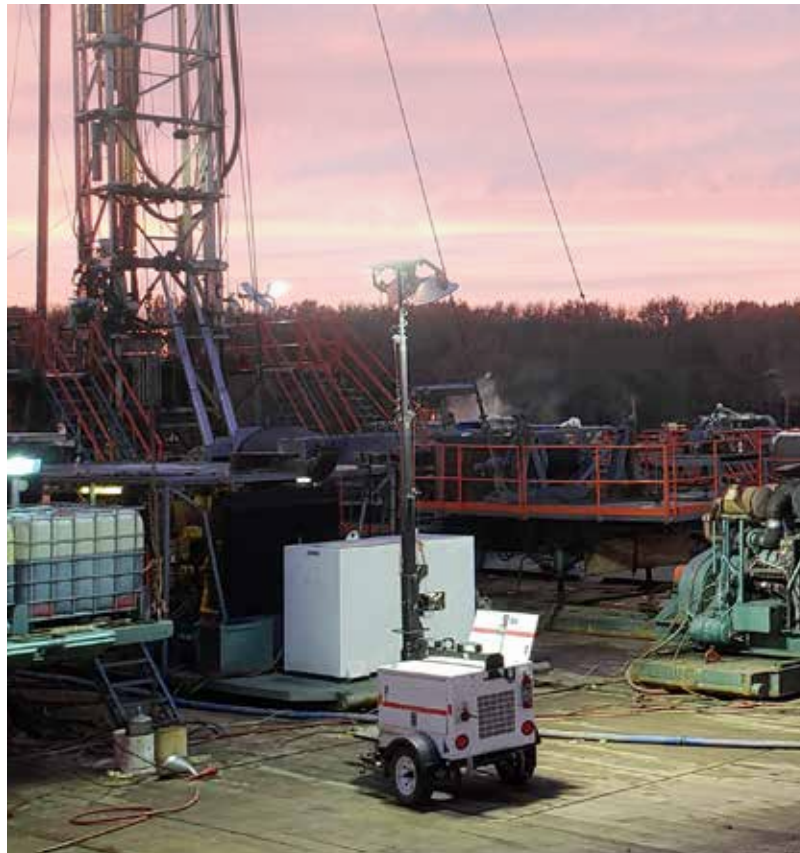
OUR PROJECTS AMERICA



UNDERGROUND

A promising American market for underground storage

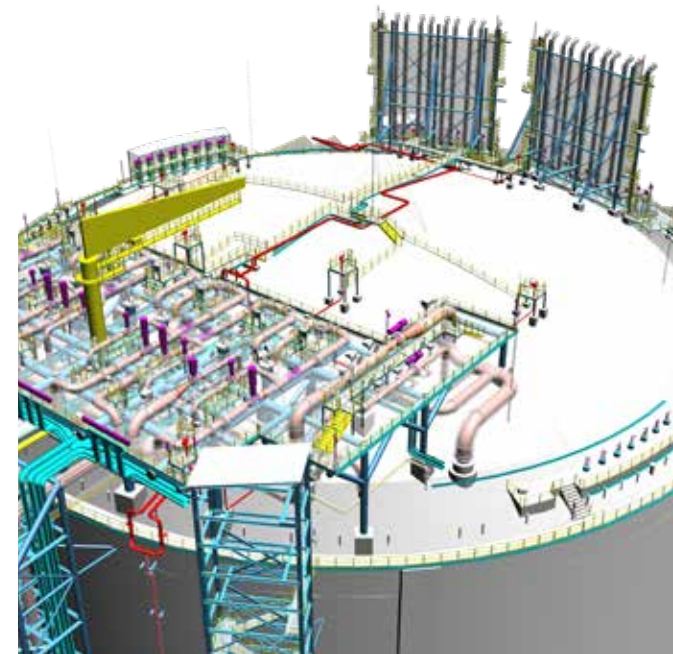
📍 **United States.** Building on its wealth of experience and its ability to provide a range of services that cover the entire lifecycle of underground storage, Geostock Sandia, their American subsidiary since 2016, is enjoying strong growth. Among its most important projects, worthy of highlighting, is a drilling campaign of stratigraphic exploration wells. The second of which was launched this year in Illinois, to identify the best location to establish a carbon dioxide storage site. This represents a high-growth market in the U.S., opening up new opportunities for Geostock. With a long-standing presence on the chemicals storage market, where it is well-known for its outstanding expertise, Geostock Sandia intends to consolidate its development through diversification, maximising on the Group's know-how and on the growth taking place in the energy storage industry. —



ONSHORE

Spiecapag tackles the Coastal Gas Link pipeline

📍 **Canada.** Spiecapag is establishing its presence in Canada, with start of work on two lots of the Coastal Gas Link pipeline. The preparatory and logistical works conducted since September pave the way to construction of the pipeline. With its 48-inch diameter and 166 km length, representing one quarter of the overall 670 km-long gas pipeline, the project will occupy staff until the end of 2021. —



ONSHORE

Launch of a major construction project

📍 **Canada.** Entrepose Contracting — like Spiecapag which is working on the Coastal Gas Link pipeline — has been present in Canada since the end of 2019 as part of the EPC construction of a 225,000 m³ liquefied natural gas (LNG) storage tank in British Columbia. The purpose of this infrastructure is to make Canada a leading country for LNG exports, particularly to Asian markets. This contract, which it was awarded jointly with its partner VINCI Construction Grands Projets, will engage their staff until 2024. Through this project, they demonstrate once more their proven ability in managing projects in challenging climatic environments. —

225,000 m³
THE LNG TANK STORAGE CAPACITY



ONSHORE

A full year for Intech

📍 **Brazil.** Intech has continued showing improvement, benefiting from the diversification strategy implemented by the Brazilian subsidiary that was taken over by Entrepose in 2016. It is experiencing a resurgence in activity, with new contracts covering the entire range of its expertise.

The fourth stress corrosion cracking campaign (pipeline investigation and maintenance) conducted by its client NTS has been underway since October. It follows campaigns carried out over the past two years on the GASBEL (between Rio de Janeiro and Minas Gerais) and GASPAL (between São Paulo and Rio de Janeiro) gas pipelines, and confirms its leadership in this field.

Intech had conducted several major projects in its core line of business, such as construction for Comgas of a 10-inch, 3 km-long gas pipeline in an urban area at the heart of São Paulo. It was performed at 90 % using horizontal drilling, and completed in February 2020. It aimed to replace a pipeline which ran parallel through a recently-built favela, and which posed potential health risks for its inhabitants.

Also of note, in the State of Bahia, was the crossing of the Jacumirimen river, to replace a section of the 18-inch Santiago-Camaçari gas pipeline that needed to be replaced because of erosion caused by exposure to water. Its teams were engaged in drilling 600 metres into hard ground, before the connection could be made in May, thus successfully capping off five months of work.

Intech was also commissioned to produce a 12-inch, 2,600-metre long shore approach (coastal works) used for installing an electro-optical cable for its client Oceanica, on behalf of Petrobras, along with replacement of three sections of a 26-inch gas pipeline around 2 km-long on the horizon. This contract was signed at the end of October with TAG, recently taken over by leading French company Engie. —



OUR PROJECTS

ASIA - OCEANIA



Completion of work on the Atlas project

📍 **Australia.** Mid-April, Jemena enlisted Spiecapag Australia to work on the Atlas Lateral project at the heart of Queensland's western region, near Wandoan. The company was given the task of building and pre-commissioning more than 60 km of a high-pressure gas pipeline, 8 inches in diameter, between the Atlas compressor station and the end of the pipeline's route. The work involved crossing several major pipelines used for exporting gas. Despite tight deadlines, the teams successfully delivered the pipeline a week ahead of schedule, underlining their unfailing dedication to meeting the needs of their clients. —

60 km
OF A HIGH-PRESSURE
GAS PIPELINE

8 inches
IN DIAMETER



OUR PROJECTS

ASIA - OCEANIA



ONSHORE

Entrepose IKL still in full swing in Azerbaijan

📍 **Azerbaijan.** Early October, Entrepose IKL signed a new contract for the engineering, procurement and supervision of the installation of gas treatment equipment. This is part of a project to build fuel gas conditioning units at the heart of underground storage sites in Garadagh and Galmaz in Azerbaijan, owned by the Azneft group which is a subsidiary of Socar, the national oil company.

These facilities are essential for tackling fluctuations in consumption, and ensuring gas is delivered to the region. The purpose of the equipment, for which Entrepose IKL will be responsible, is to ensure the quality of gas transported to the transfer station in periods of high consumption. The work, which has already begun, will be finished next summer. —



ONSHORE

A new drinking water supply system in Auckland

📍 **New Zealand.** As part of the Northern Interceptor project, aiming to increase wastewater treatment capacity in the city of Auckland (New Zealand), Fletcher commissioned Spiecapag Australia and its subsidiary HDI Lucas to perform six horizontal drillings, totalling approximately 5 km in length, and ranging from 8 inch diameter (for fibre optic), up to 22 inches. Despite temperamental winter conditions, the first three crossings were carried out successfully in Te Wharau bay between July and the end of September. Teams then tackled the largest crossings in the heart of Waitemata Harbour, starting end of October, to continue through February 2020.

Staff also took part in a Communities Day. Open to everyone, and in particular a group of young people, it was an opportunity to find out about the project and the tools used to complete it. This underlines Spiecapag Australia's desire to act at the heart of the communities with which it interacts. —

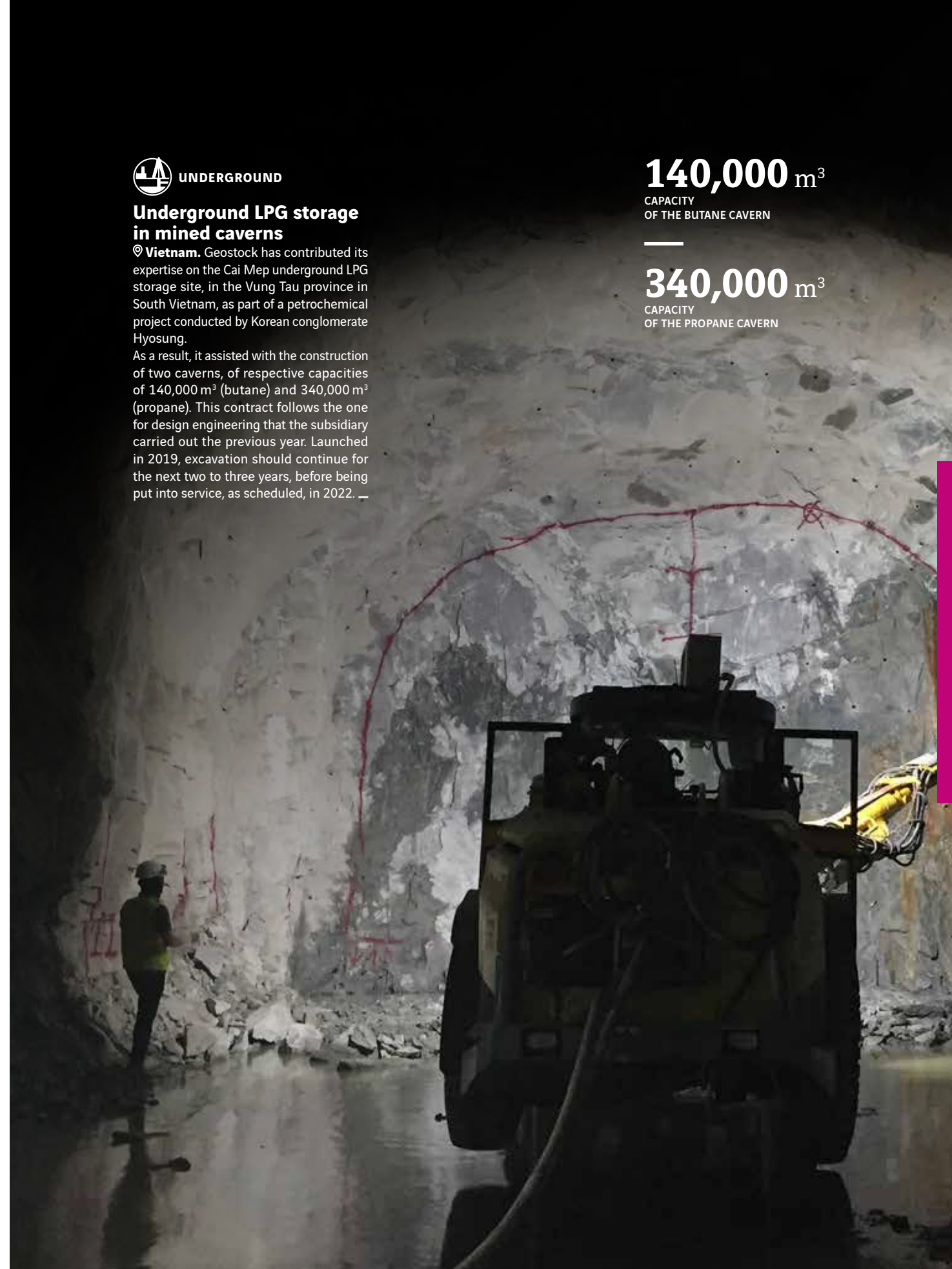


UNDERGROUND

Underground LPG storage in mined caverns

📍 **Vietnam.** Geostock has contributed its expertise on the Cai Mep underground LPG storage site, in the Vung Tau province in South Vietnam, as part of a petrochemical project conducted by Korean conglomerate Hyosung.

As a result, it assisted with the construction of two caverns, of respective capacities of 140,000 m³ (butane) and 340,000 m³ (propane). This contract follows the one for design engineering that the subsidiary carried out the previous year. Launched in 2019, excavation should continue for the next two to three years, before being put into service, as scheduled, in 2022. —

140,000 m³CAPACITY
OF THE BUTANE CAVERN340,000 m³CAPACITY
OF THE PROPANE CAVERN



OUR PROJECTS ASIA - OCEANIA



ONSHORE

Entrepose returns to Western Siberia

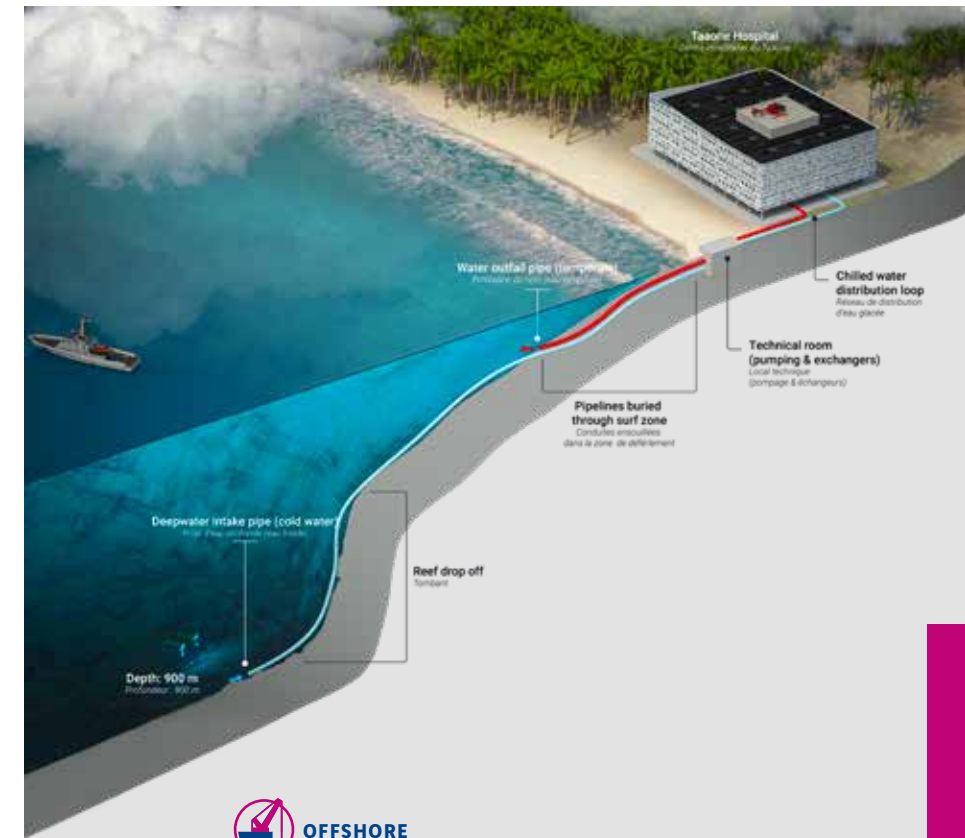
Russia. The joint venture created by Entrepose Contracting and VINCI Construction Grands Projets was awarded the construction of two new cryogenic LNG storage tanks in Sabetta, in the Yamal peninsula, by OOO OBSKY LNG, a subsidiary of Novatek. These two full-integrity storage tanks, each with a capacity of 160,000 m³, comprise an inner tank made of 9% nickel steel and an outside prestressed concrete container. They will be involved in developing a new liquefaction plant which should complement the one operated by Yamal LNG, for whom these two VINCI Construction entities produced four cryogenic tanks in 2017. The infrastructure is set for delivery in 2022. —

160,000 m³

THE UNIT CAPACITY
OF THE LNG TANKS

From -45 to +30°C

EXTREME TEMPERATURES IN SABETTA



OFFSHORE

A SWAC system for the Papeete Hospital

French Polynesia. In 2011, Geoclean installed a subsea SWAC system (Sea Water Air Conditioning) for The Brando, a hotel resort on the Tetiaroa atoll. A new contract on behalf of the Ministry for Modernisation of Government heralds their return to Polynesian waters. On a site where respecting the environment has been the subsidiary's main priority, it will conduct offshore work on the Papeete Hospital SWAC, as part of French Polynesia's energy conversion plan. The project includes installing a 3,800 m HDPE intake pipeline from the Pirae beach, down to a depth of 890 metres, and a 200 m discharge line. Once the engineering phase was completed, the manufacturing of components integrated to the structure was able to start in November 2019. The on-site work will start in April 2020 and will last twelve months. —

OUR PROJECTS AFRICA



ONSHORE

Renewed growth for Entrepote Algérie

📍 **Algeria.** The Algerian subsidiary of Entrepote International Network (EIN) has consolidated its position, thanks to the award of new contracts, but also major projects launching and continuing, which emphasises the broad spectrum of its expertise and abilities.

El Eulma storage tanks

At the heart of the El Eulma fuel depot, it has nearly completed construction of three 20,000 m³ gas storage tanks, a 3,000 m³ fire-protection tank, and the associated pipe network at an operational site.

As a result of the three new tanks built by the subsidiary — further evidence of its mastery of EPC projects — its client, Naftal's, capacity on this field will double, increasing from 60,000 m³ to 120,000 m³.

Upside North

Similarly, it continued work on the Upside North site, featuring construction of a GOSP (gas oil separation process) device on the perimeter of the Hassi Messaoud oil field. At these facilities, Entrepote Algérie is in charge of all the mechanical, electrical and instrumentation work. This includes 2,500 tons of metal structures,

with a total diameter of pipe welding amounting to 76,000 inches. Launched in September 2018, the work accelerated rapidly starting April 2019. With 900 people deployed during peak activity, the teams should complete the project come Summer 2020. This GOSP will then enable Sonatrach to increase its daily production by 40,000 barrels. —

20,000 m³
UNIT CAPACITY OF
THE STORAGE TANKS
(EL EULMA)

2,500 t
OF METAL STRUCTURES
(UPSIDE NORTH)



OUR PROJECTS AFRICA



ONSHORE

Renewed growth for Entrepote Algérie

Algeria.

Satellites

2019 was also marked by the Satellites project carried out in two phases at each of the four separate sites where the subsidiary operates, in the vicinity of the Hassi Messaoud oil field. The first phase involved expanding the infrastructure with a view to increasing production, and the second, revamping existing equipment. As three of the four satellites have reached the second phase, the work should be completed at the start of 2021.

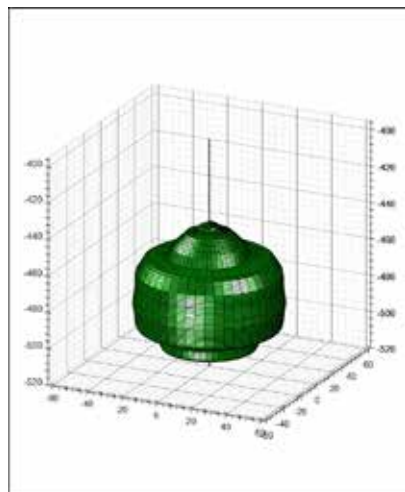
Collectes

The Algerian subsidiary also showcased its skills as part of the construction of a collection network for 50 oil wells, comprising 188 km of lines and several concentrated structures. Started at the end of 2018, the work benefited from the teams' wide range of expertise (topography, welding and cladding, hydrostatic testing, radiography and pre-manufacturing) and continued at a sustained pace which should permit delivery of the new infrastructure sometime during 2021.

Entrepote Algérie's thriving activity is evidence of revived growth, which should be confirmed in the years to come, supported by expertise recognised by national players, as well as by a favourable market. —



► Collection network for 50 oil wells in Algeria



OFFSHORE

A fourth butane storage cavern in Morocco for Geostock

► **Morocco.** At the start of 2019, Geostock conducted part of the feasibility studies for a fourth butane storage cavern on the Sidi-Larbi site, in the Mohammedia region of Northern Morocco. This was carried out for SOMAS, a national leader in the industry and a long-time client of the subsidiary. As proof of the ongoing close working relationship, Geostock was appointed to conduct the general design and pre-project studies for building the cavern. These pertain to the underground section (drilling, creation through leaching, and commissioning) and part of the surface installations.

With a preliminary volume of 200,000 m³, this cavern will enable SOMAS to increase its storage capacity and meet the increasing demand of the Moroccan market, and will enhance the Kingdom's strategic capacity. —



OFFSHORE

New ocean outfall in Morocco

► **Morocco.** After twenty-one months of work, the consortium completed the Salé project in Morocco last October. The offshore consortium comprised of Geocan for design engineering, along with its historical partners Etermar and Somagec for execution of the maritime section of the ocean outfall, was associated with the onshore consortium which included Bessac for micro-tunnelling and Solsif for execution of the loading well. Their client Redal, tasked with building a treatment plant designed to concentrate the outflow of several of the main sewers in the Rabat-Salé region, set up an EPCI contract with the group, awarding installation of an ocean outfall that would enable outflow to be discharged into the sea, post-treatment.

The seventh project of this type carried out by this offshore consortium, it included a 10.6 metre diameter and 35m deep loading well, an 800-metre-long micro-tunnel portion with an inner diameter of 1,900 mm cutting through the cliff and surf zone. A section of HDPE piping (inner diameter of 1,662 mm) 1,315 metres long, was also completed, which included 450 m of trenches and 865 m on the seabed, at 25 m depth. The last 255 metres were made up of the HDPE diffuser with 22 chimneys fitted with duckbill weirs. Once again, this project highlighted the complementary expertise of VINCI Construction's entities, working together for the third time since 2008. —

21 months
OF WORK

1,315 m
DEEP





OUR PROJECTS AFRICA



ONSHORE

New works on the Bonny Island site

📍 **Nigeria.** A major player in Nigeria's energy industry, Entrepose DBN has thorough knowledge of the Bonny Island site, where it built the three cryogenic storage tanks, and the off-site facilities and utilities for the sixth LNG train from 2004 to 2008. This deep-rooted relationship, and the renewed trust of its client Nigeria Liquefied Natural Gas (NLNG), enabled it to win a Plant Modification Contract (PMC), or master contract, to modify the existing installations at the end of 2018. Through this PMC, it completed two projects entailing the engineering, procurement and installation of a flue gas treatment system and a rotating furnace with a capacity of 10 tonnes/day, whose aim is to significantly improve waste treatment efficiency; and the replacement of the HVAC unit. Five other projects are currently being carried out as part of infrastructure modernisation, such as the debottlenecking of the air separation units. Mobilisation of Entrepose DBN's staff with regard to the EPC replacement of a service water pipe network also reinforces the subsidiary's presence in this highly strategic site, which should be home to a seventh LNG production train in the near future, thereby reinforcing the country's export capacity. —



ENTREPOSE

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ONSHORE

The Kaduna refinery is completing its transformation

📍 **Nigeria.** With the installation of boilers, Entrepose DBN finished the work started in 2016 in the heart of the Kaduna refinery in Nigeria, whose purpose was to improve the efficiency, safety and operability of the structures. Thanks to three successive contracts, the subsidiary helped dismantle the existing facilities and successfully completed the construction of a new unit. This involved instrumentation and electromechanical work, requiring over a hundred people to work on site. —



Build on trust

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