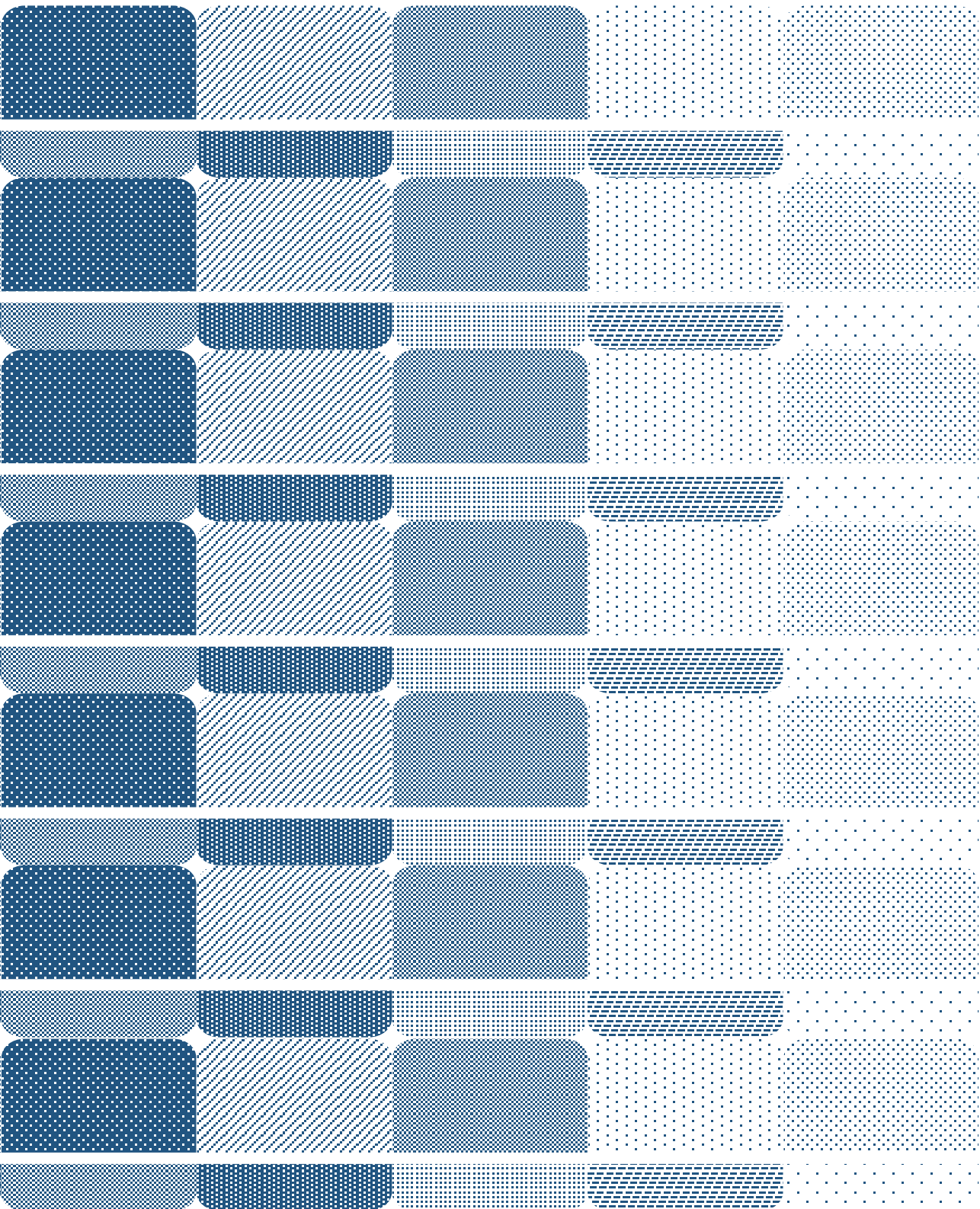
Freyssinet

2018



FREYSSINET

The world benchmark in construction and repair of structures

Post-tensioning, construction methods, cable-stayed structures, structural accessories, structural reinforcement, concrete repair, reinforcing steel protection, earthquake protection and specialised maintenance – the Freyssinet Group makes its specialist services available in two major fields: construction and structural repair.

Revenue[1]

€714m

Employees

7,900

Order intake

—Larona Canal waterproofing, Indonesia
—Cebu Cordoba cable-stayed bridge, Philippines
—Rooppur nuclear power plant, Bangladesh
—Çanakkale Viaducts, Turkey
—Kosciuszko Bridge, Phase 2, United States
—Bletchley Viaduct, United Kingdom

Kalikuto Bridge, Indonesia

1 - Managed revenue

Patrick Nagle, CEO, Freyssinet

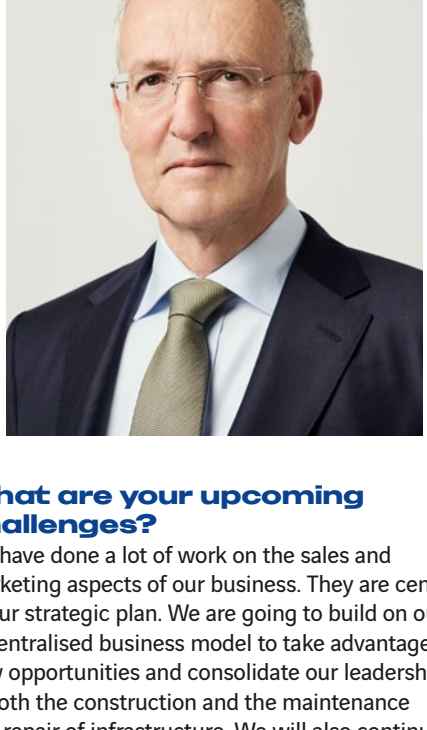
"Consolidating our leadership"

What is your take on 2018?

It was a fairly good year. We performed well, especially in France, in Asia, and within our subsidiary Carpi, which specialises in water infrastructure sealing. We added work with a value of €840 million to our order book. In 2018, we paid special attention to risk management and margin improvement. Our safety performance was also commendable. Safety is an absolute priority on all our worksites. Lastly, to mark the 75th anniversary of Freyssinet's founding, we celebrated our heritage and highlighted our strengths – technical excellence, entrepreneurship and innovation.

What were your standout projects?

We increased our work under ECI (Early Contractor Involvement) contracts, more particularly in Australia and the United Kingdom. ECI is a collaborative approach that enables us to build a good partnership with our customers very early in the project. This gives our customers access to the full range of our technical expertise and innovations. We also signed major contracts, including the Las Vegas Stadium roof in the United States, viaduct construction and repair in the United Kingdom and Turkey and prestressing at the Rooppur nuclear power plant in Bangladesh.



What are your upcoming challenges?

We have done a lot of work on the sales and marketing aspects of our business. They are central to our strategic plan. We are going to build on our decentralised business model to take advantage of new opportunities and consolidate our leadership in both the construction and the maintenance and repair of infrastructure. We will also continue to innovate, as we did by supporting a project involving 3D printing of high-performance concrete to create architectural and structural shapes, which spawned a dedicated startup. Lastly, young people are the future. We are going to do our best to motivate, train and support them and help them achieve professional fulfilment.

Panama
Atlantic Bridge

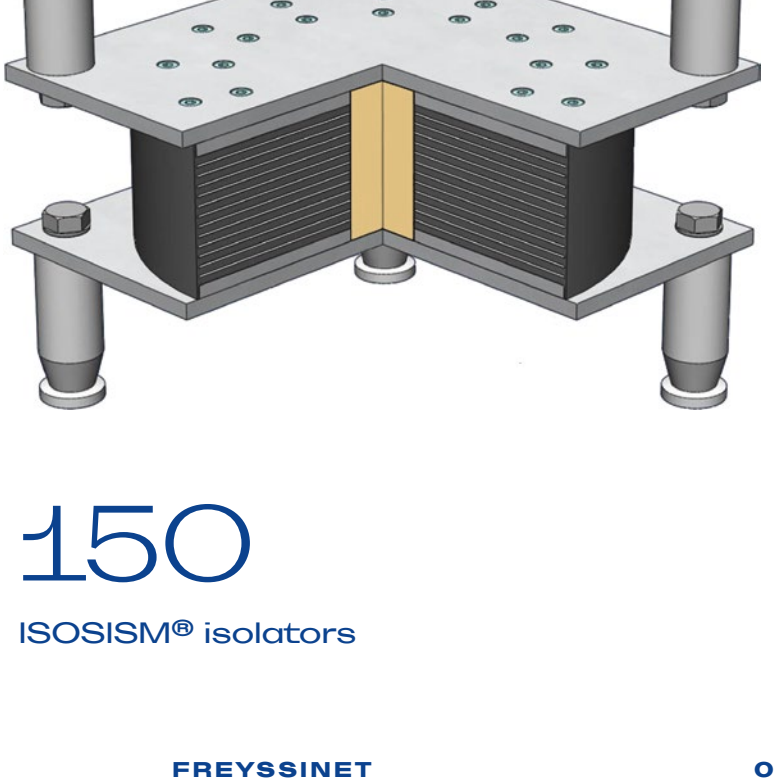
The Atlantic Bridge, located 3 km north of the Gatún locks near the city of Colón, is a cable-stayed bridge with the world's longest concrete central span (530 metres). Once completed, it will allow vehicles to cross the Panama Canal independently of the locks' operation. For this large-scale project, Freyssinet installed cable stays on the main structure and prestressing on the approach ramps and the main structure. The company also supplied the materials and supervised all installation operations.

530

metre central span

Chile
Curicó Hospital

To replace the former hospital, which was badly damaged by an earthquake in 2010, the city of Curicó embarked on the construction of a new hospital complex. With 400 rooms, 12 surgical units and 27 medical units, it will be the region's largest healthcare centre. For this new facility, Freyssinet designed, supplied and installed a seismic isolation protection system made up of 150 ISOSISM® isolators, which dissipates energy and controls displacement in the event of a tremor.



150

ISOSISM® isolators

Togo
Kpémé Wharf

Due to the saline environment and a lack of maintenance, the Kpémé wharf was suffering from significant deterioration that jeopardised its operation. Freyssinet's teams carried out remediation work on the wharf, which is used to transport phosphate, one of the country's key industries. The work included analysis of damage to the steel structure, repair of various elements (motors, electrical circuits, conveyors, etc.), cathodic protection of the piles, and anti-corrosion painting.

Vietnam
Phuoc Khanh and Binh Khanh bridges

For these two bridges, Freyssinet designed, supplied and installed the stay cables and the saddle system. For the Binh Khanh Bridge, the company also supplied the prestressing system and mobile formwork.

China
Fuqing Nuclear Power Plant

Freyssinet supplied a post-tensioning anchorage system and the equipment for its installation, including newly designed stressing jacks, as well as expertise throughout the project.

Morocco
Sidi Maârouf Bridge

Freyssinet supplied and installed the 27 stay cables that support the bridge deck, as well as the pre-stressing, bearings and joints.

Find out more

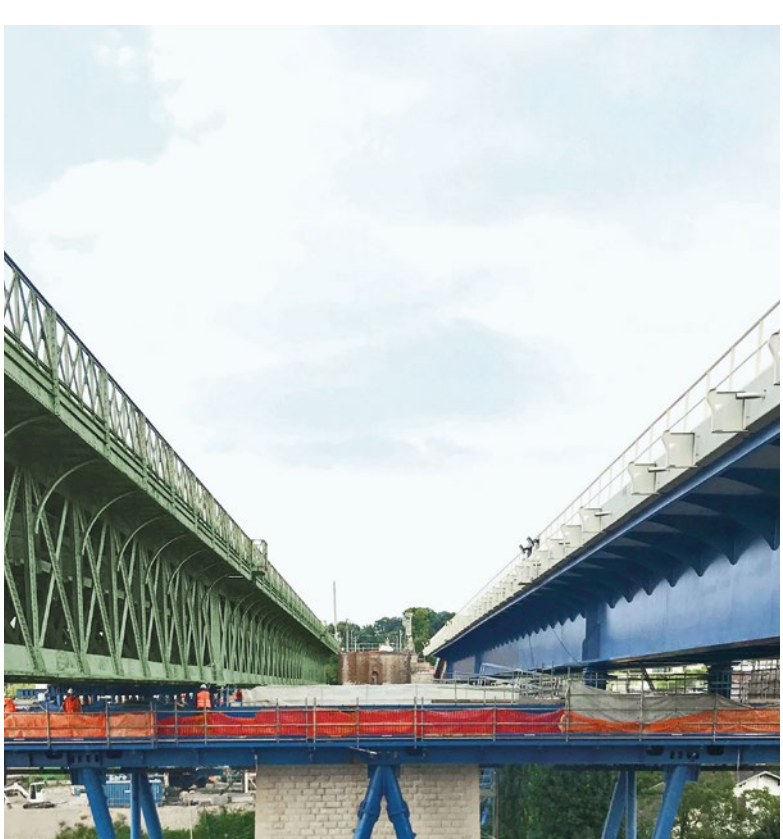
United States

Las Vegas Stadium

The future Las Vegas Stadium is a huge project. It will have a seating capacity of 62,000 and 110 luxury suites on 10 levels. Freyssinet is in charge of supplying and installing the structural part of the cable-stayed roof. This notably includes production of cables and metal elements, raising/jacking using the “Big Lift” method, coordination of temporary structures and protection of stands. The teams also provided design assistance services.

Seating capacity of

62,000



France
Marly-le-Roi Viaduct

Freyssinet played an active role in the remediation of the Marly-le-Roi rail viaduct west of Paris, built in 1883. The teams replaced the existing 250-metre steel deck by sliding the existing structure out, sliding the new one into place and, lastly, unlaunching and dismantling the old deck. This delicate manoeuvre required meticulous scheduling to comply with the seven-week period during which train services were interrupted.

7

week
comprehensive
remediation

Watch the video

France
Mesches Dam

Freyssinet carried out repairs, notably repointing the stonework to seal the upper part and applying a 1,800 sq. metre shotcrete facing on the lower part of the dam.

Find out more

Spain
Rande Bridge

Freyssinet worked on the widening of this heavily trafficked bridge, supplying 80 stay cables to support the addition of two decks connected to the existing structure.

Find out more

Peru
Perené bridge

For this two-lane road suspension bridge, Freyssinet was chosen to design and supply two carrier tendons, two carrier tendons made up of 18 hangers each, and to provide technical support for their installation

Find out more

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