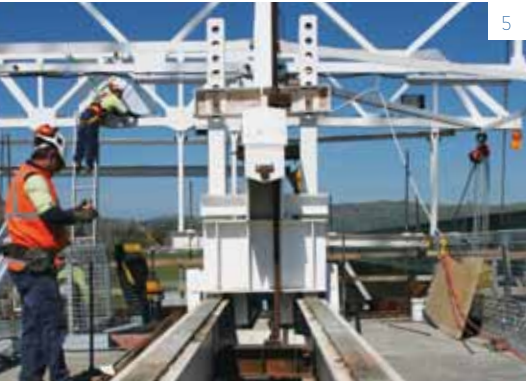
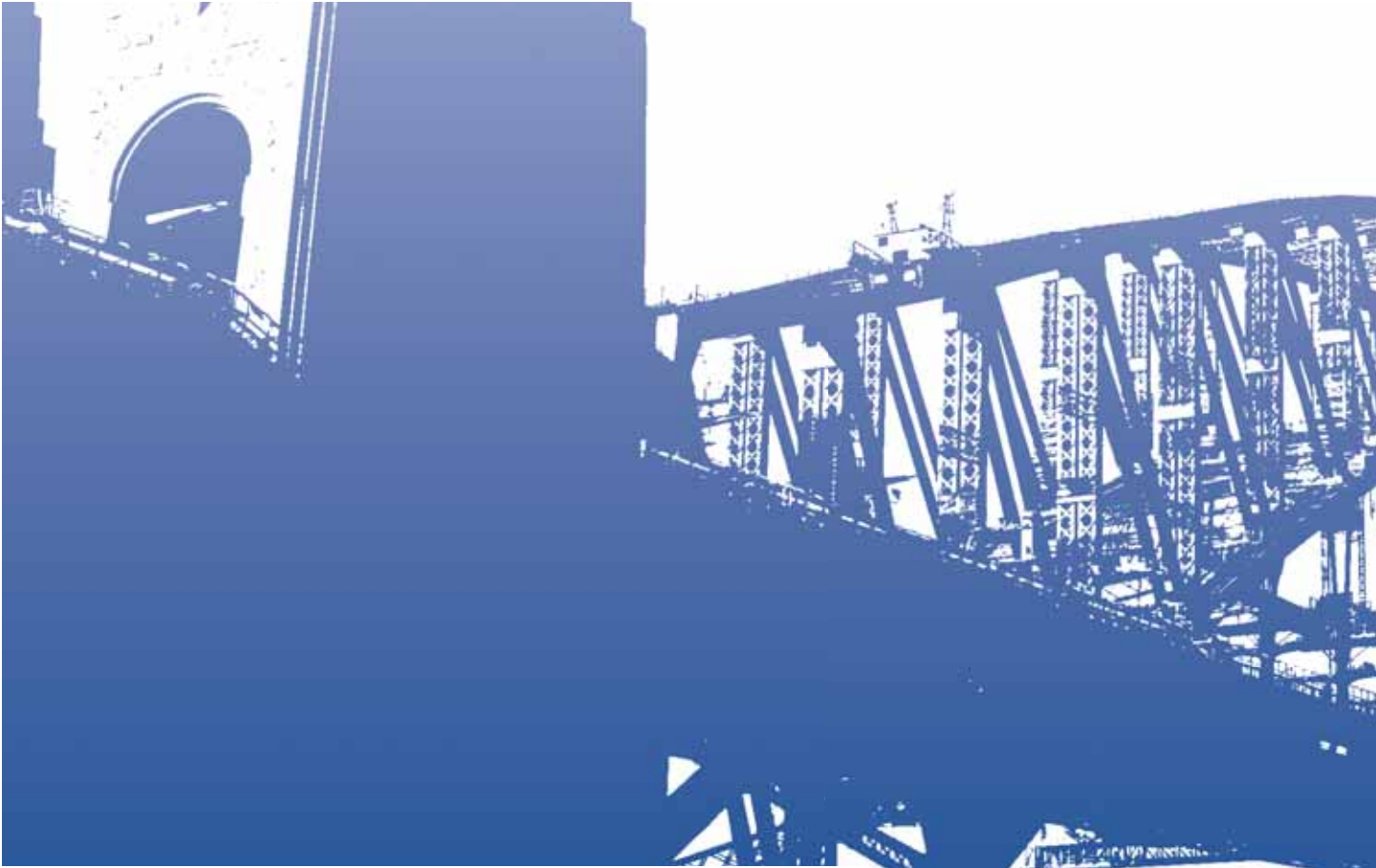




FREYSSINET
AUSTRALIA







introduction

The Soletanche Freyssinet Group has an unrivalled reputation in the fields of specialised civil engineering for soils and structures. It operates in nearly eighty countries spanning five continents. Freyssinet Australia forms part of this global network and services Australia, New Zealand, Papua New Guinea and neighbouring islands of the Pacific Ocean.

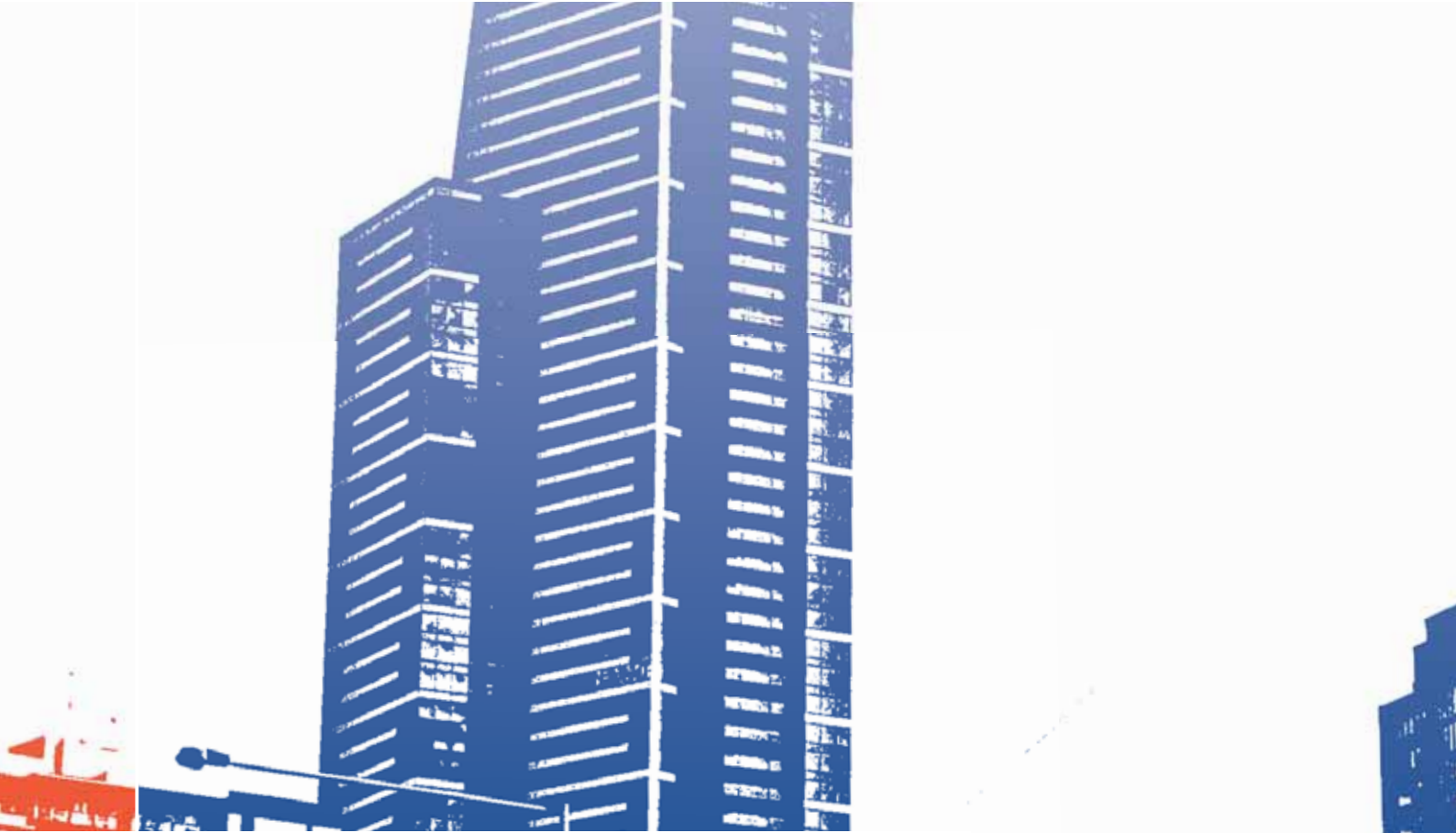
Freyssinet Australia provides solutions for building post-tensioning, specialised civil and remedial engineering, and upgrading of industrial structures. Local expertise, teamed with well-proven solutions and innovative technologies derived from the Group's research and development result in effective and durable solutions.

sustainable technology

Freyssinet Australia is committed to technical excellence with outstanding client service. To provide the best possible project outcomes, whilst protecting our personnel and the environment, we work to an integrated management system that is certified to ISO 9001 and AS/NZ 4801.

Furthermore, our commitment to a sustainable approach through our social responsibilities and offering energy-saving solutions is illustrated in our "sustainable technology" signature.

Background image] Sydney Harbour Bridge, upgrade works. 1] Staplyton Reservoir. 2] The Hyde, Sydney. 3] Bankstown Reservoir. 4] Nambour Hospital. 5] Sheahan Bridge, Gundagai. 6] Geraldton Grain Silo repair.





building post-tensioning

Since the 1970's Freyssinet Australia has been a pioneer in slab post-tensioning design and construction. Following those early days the market has fully matured, but we remain the premier post-tensioning company through a close relationship with the major contractors, developers and consulting engineers.

Advanced knowledge in building post-tensioning, state of the art anchorages, experienced and dedicated teams with hands on know-how all guarantee that Freyssinet Australia will complete the projects efficiently and safely.

We have direct access to large quantities of strand and accessories, to feed our network of storage facilities located near the major cities. These streamlined logistics ensure timely and disruption-free deliveries, even on space constrained construction sites in the CBD.

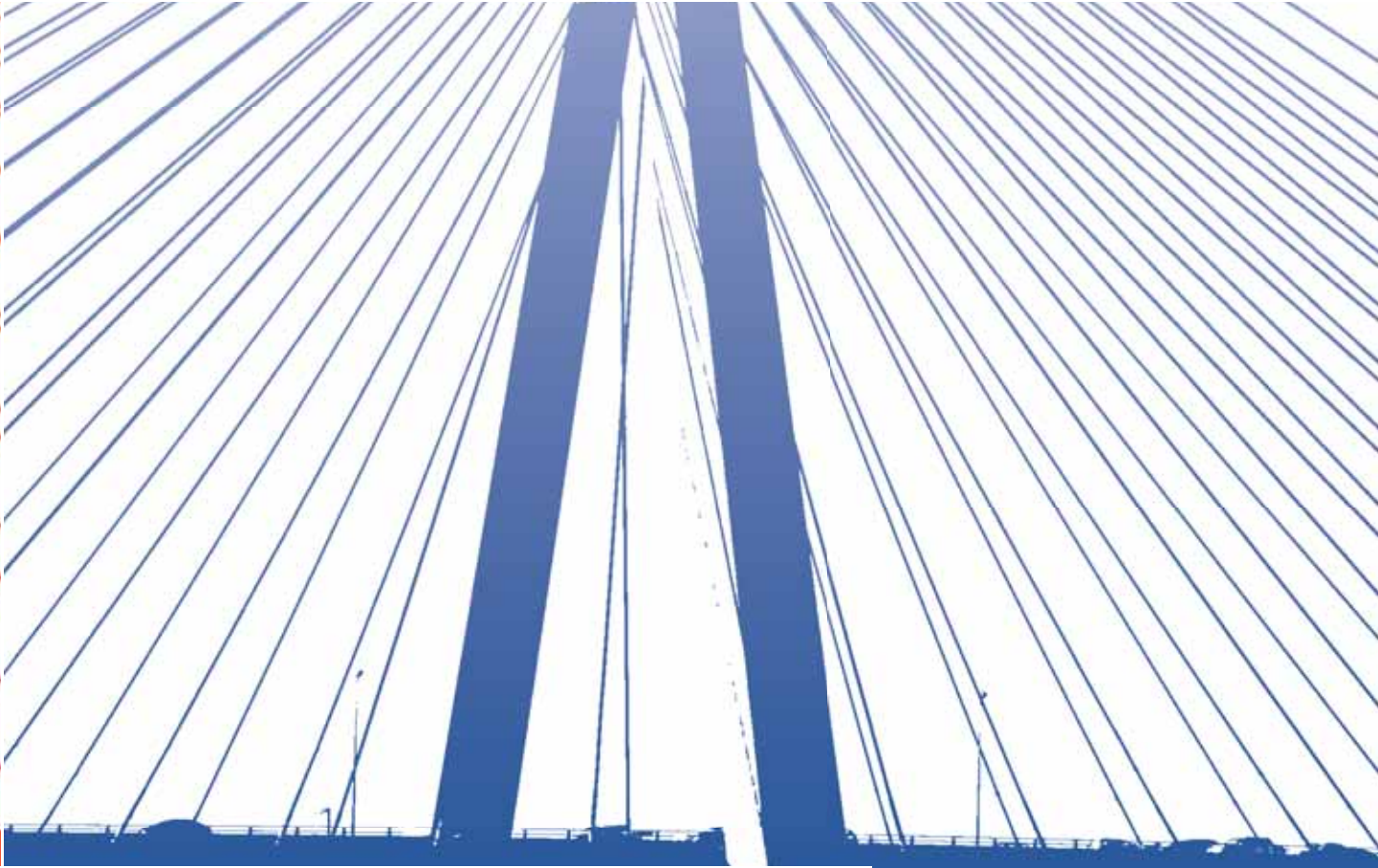
Freyssinet Australia's in-house engineering department is recognised as the most innovative for design alternatives. Our expertise ensures optimal material quantities and respect of functional constraints such as deflection control. Slab post-tensioning really is a "sustainable technology" with a reduced carbon footprint and we pride ourselves with a growing number of Green Star projects throughout Australia.

fields of application

- residential and commercial buildings
- industrial facilities and slabs on grade
- shopping centres and car parks
- rafts and piled raft foundations

Background image] Eureka Tower, Melbourne. 1] Green Square, Brisbane (6* Green Star rating). 2] Macquarie Private Hospital, Sydney. 3] AXA, Melbourne. 4] The Hyde, Sydney. 5] Live post-tensioning ends. 6] Threading post-tensioning strands.







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civil engineering

Freyssinet Australia has been involved on many iconic bridges in Australia, such as the Anzac Bridge, the Sydney Harbour Bridge and the Melbourne Westgate Bridge. Hence, we are recognised as the partner of choice for bridge construction, with a contribution that extends far beyond post-tensioning and includes all the specialist construction methods.

Freyssinet Australia is now frequently involved as an alliance or joint-venture partner with an active role on the overall project, rather than a post-tensioning subcontractor.

In addition to bridges, Freyssinet Australia contributes to the construction of many prestressed concrete structures, such as water reservoirs, LNG tanks, wind farms, dams and quay walls.

Freyssinet Australia has an in-house civil engineering department, to design temporary works and produce cutting edge design alternatives.

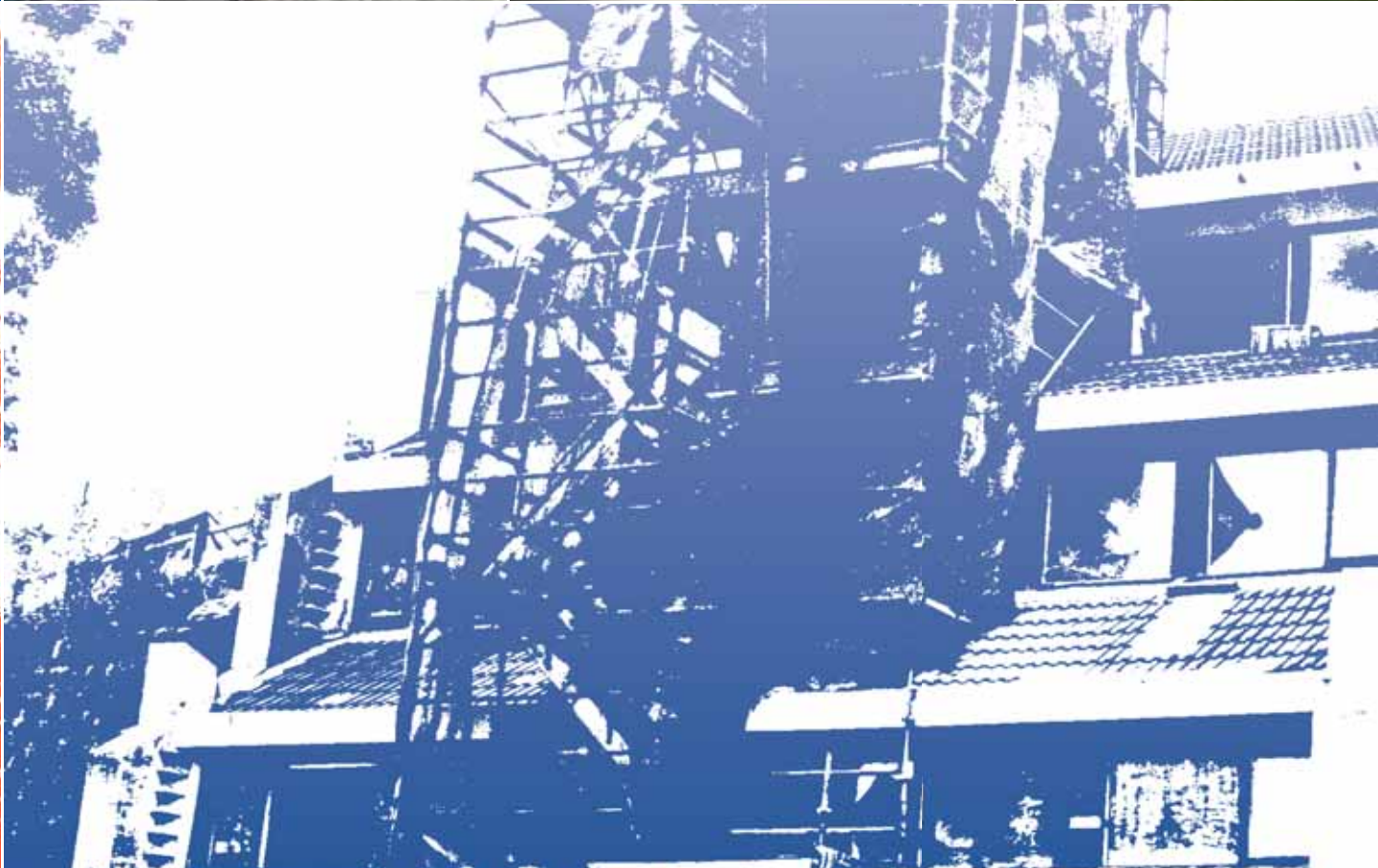
products and services

- post-tensioning (tendons)
- stressbars and tie rods
- cable stays
- bearings and expansion joints
- flat jacks

bridge construction methods

- balanced cantilever
- incremental launching
- segmental construction
- heavy lifting with strand jacks

Background image] Anzac Bridge, Sydney. 1] Sheahan Bridge, Gundagai. 2] Pluto LNG, Karratha. 3] Sydney Harbour Bridge gantry heavy lift. 4] Hegigio Gorge, PNG. 5] Multistrand post-tensioning. 6] Tallowa Dam heavy lift.





remedial engineering



The Freyssinet Group is a global expert in structural repair and remedial solutions. Working as a head contractor, Freyssinet Australia addresses all the stages of remedial or strengthening projects through a vertically integrated approach, to provide a turn-key offer to asset owners: inspection, diagnosis, design, supply and implementation of the works.

With civil engineers and material scientists, the Freyssinet Group's technical department develops repair products and solutions, validating them with laboratory trials and feedback from on-site experience.

Building on such development, Freyssinet Australia has become the leader in remedial engineering, with projects throughout the country on buildings, wharves or marine structures, and many types of transport infrastructure such as bridges and tunnels.

products and services

- shotcrete (gunite)
- carbon fibre fabric (TFC) or laminates (LFC)
- metal reinforcement
- additional external post-tensioning
- crack injection and concrete repair
- galvanic and cathodic protection
- chloride extraction and realkalisation

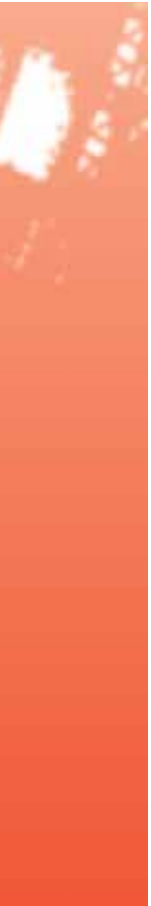
Background image] Willoughby Incinerator. 1] Arden St Bridge TFC. 2] Caboolture Bypass bearing replacement. 3] Willoughby Incinerator. 4] Dry process shotcreting. 5] Penshurst Reservoir. 6] Calliope Wharf, New Zealand cathodic protection.



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upgrade of industrial structures

Any industrial structure or facility will age and undergo changes over its life. Drawing on its experience in civil and remedial engineering, Freyssinet Australia offers protective, strengthening or retrofitting solutions to extend the lifetime of these industrial structures.

Frequently identified problems include steel corrosion, concrete cracking, spalling and delamination, chemical attack, excessive loading, fire or explosion.

Working either as a main contractor or a specialist sub-contractor, Freyssinet Australia's experienced teams work around the industrial process to accommodate production requirements. Typical interventions include shutdown operation for scheduled maintenance or staged works on a running facility.

fields of application

- power plants
- cement plant or chemical factories
- water production and sewerage treatment plants
- tanks and reservoirs
- dams
- silos
- storage warehouses
- mineral loading terminals

products and services

- protective coating
- corrosion inhibitors
- concrete repair
- carbon fibre wrapping
- shotcrete
- external post-tensioning
- dismantling and structural member replacement
- heavy load handling
- load transfer using flat jacks

Background image] Geraldton Grain Silo with mast climbers. 1] Dalrymple Bay. 2] Dalrymple Bay. 3] Tarong Cooling Tower. 4] Tarong Cooling Tower. 5] Victoria Bridge Aqueduct, Penrith. 6] Swanson Dock West.

Freyssinet Australia Pty Ltd

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www.freyssinet.com.au

A SUBSIDIARY OF  **SOLETANCHE FREYSSINET**

Front page] MacIntosh Island, Gold Coast.

Photo credits] Freyssinet Australia except MacIntosh Island by Christopher Frederick Jones.
Pluto LNG by CB & I. Sydney Harbour Bridge gantry heavy lift C/- BWA.

