



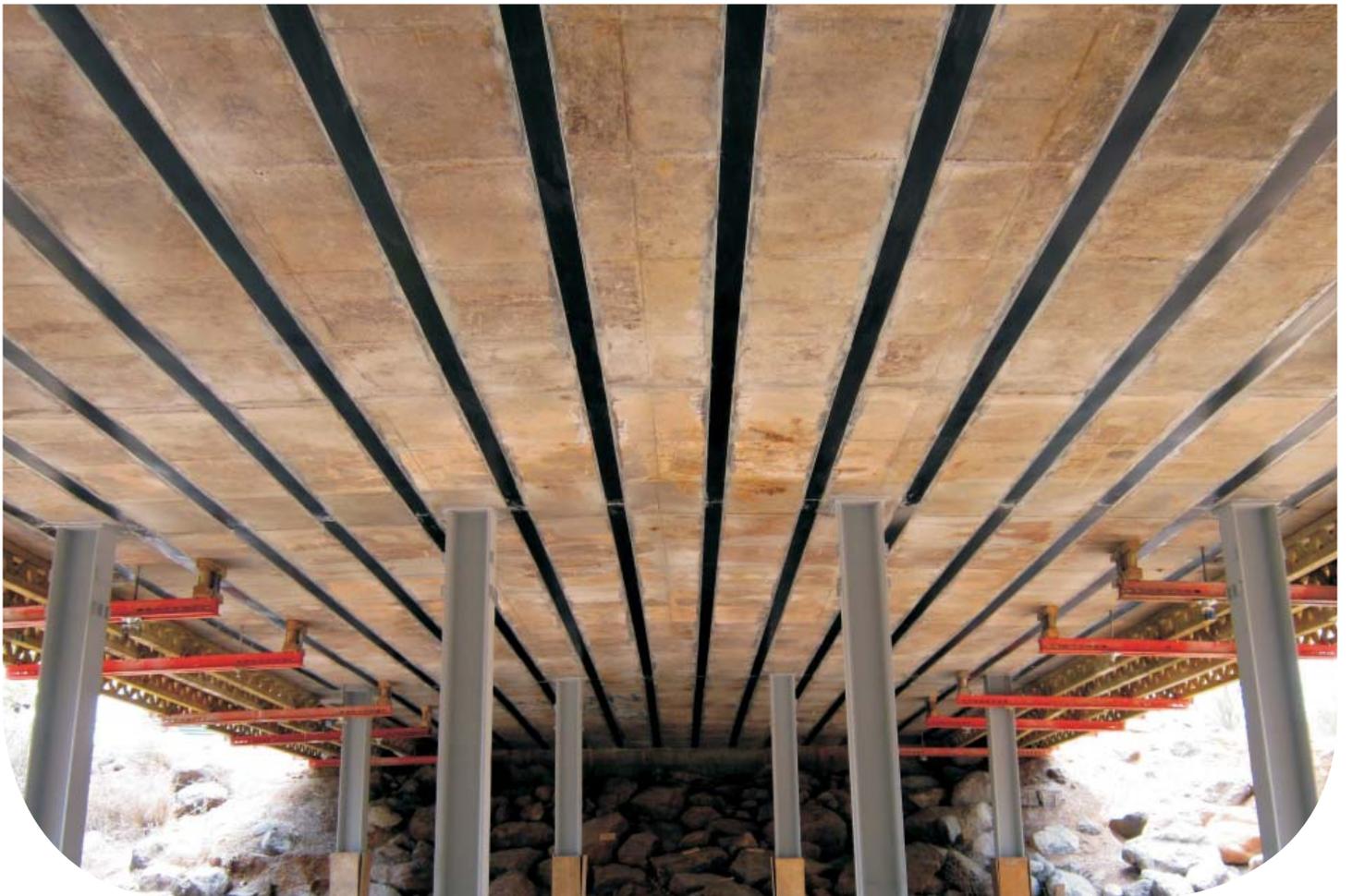
Oceania



**FREYSSINET**



Design, Build, Maintain



## “ Freyssinet: vertical integration of technologies



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

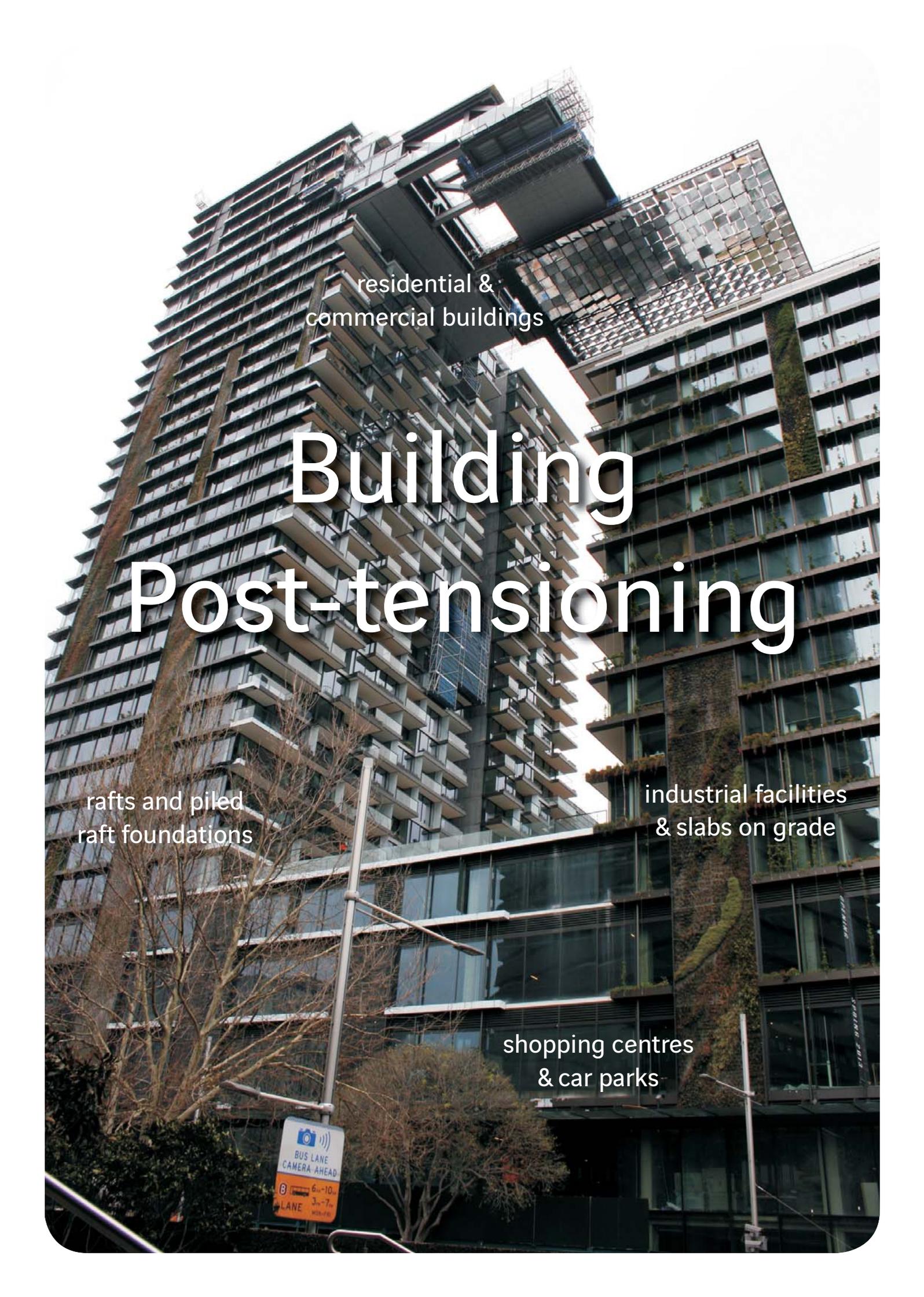
Freyssinet provides solutions for **building post-tensioning, specialised civil and remedial engineering**, and upgrading of industrial structures. Local expertise, teamed with well-proven solutions and innovative technologies derived from the Group’s research and development result in effective and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

### **Sustainable Technology**

Freyssinet 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, AS/NZ 4801 and ISO 14001 in Australia**.

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





residential &  
commercial buildings

# Building Post-tensioning

rafts and piled  
raft foundations

industrial facilities  
& slabs on grade

shopping centres  
& car parks





Since the 1970's Freyssinet 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 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'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.

cable stays

incremental launching

stressbars  
& tie rods

segmental construction

# Civil Engineering

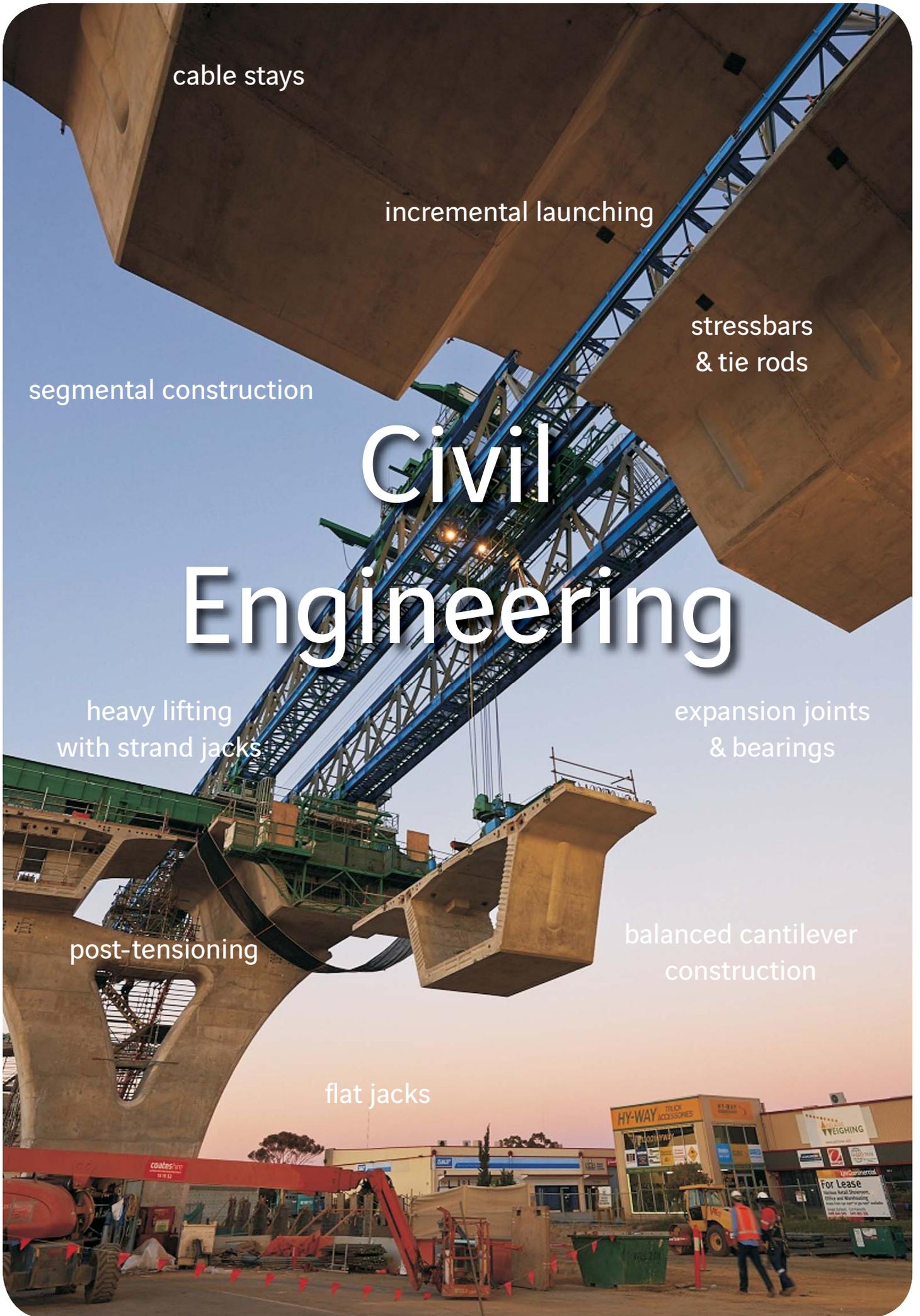
heavy lifting  
with strand jacks

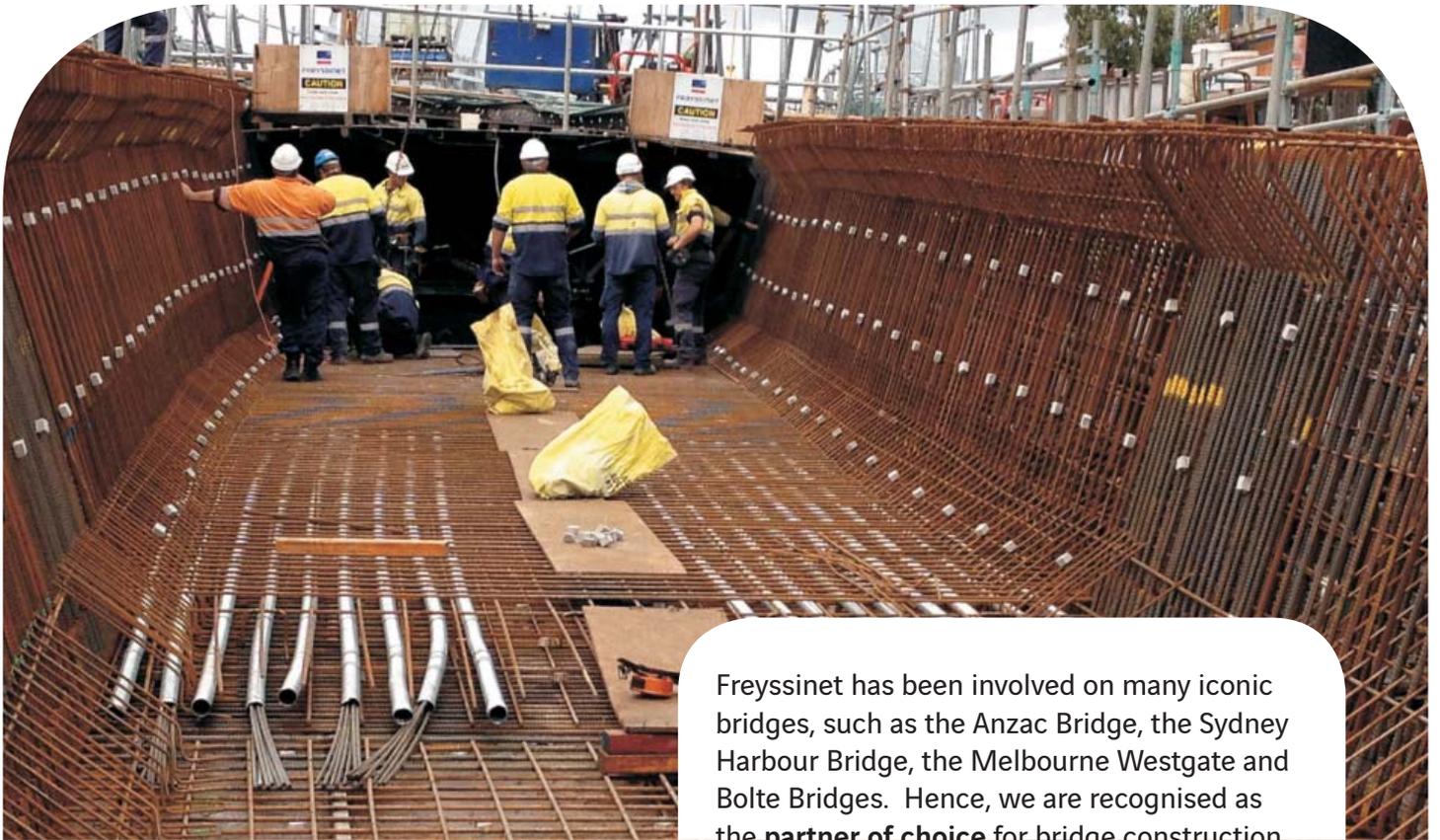
expansion joints  
& bearings

post-tensioning

balanced cantilever  
construction

flat jacks





Freyssinet has been involved on many iconic bridges, such as the Anzac Bridge, the Sydney Harbour Bridge, the Melbourne Westgate and Bolte Bridges. 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 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 contributes to the construction of many **prestressed concrete structures**, such as water reservoirs, LNG tanks, wind farms, dams and quay walls.

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



## Products

## Services

# Construction Methods

carbon fibre  
strengthening

additional external  
post tensioning

crack injection  
& concrete repair

galvanic &  
cathodic protection

# Remedial Engineering

shotcrete  
& gunite

non-destructive  
testing

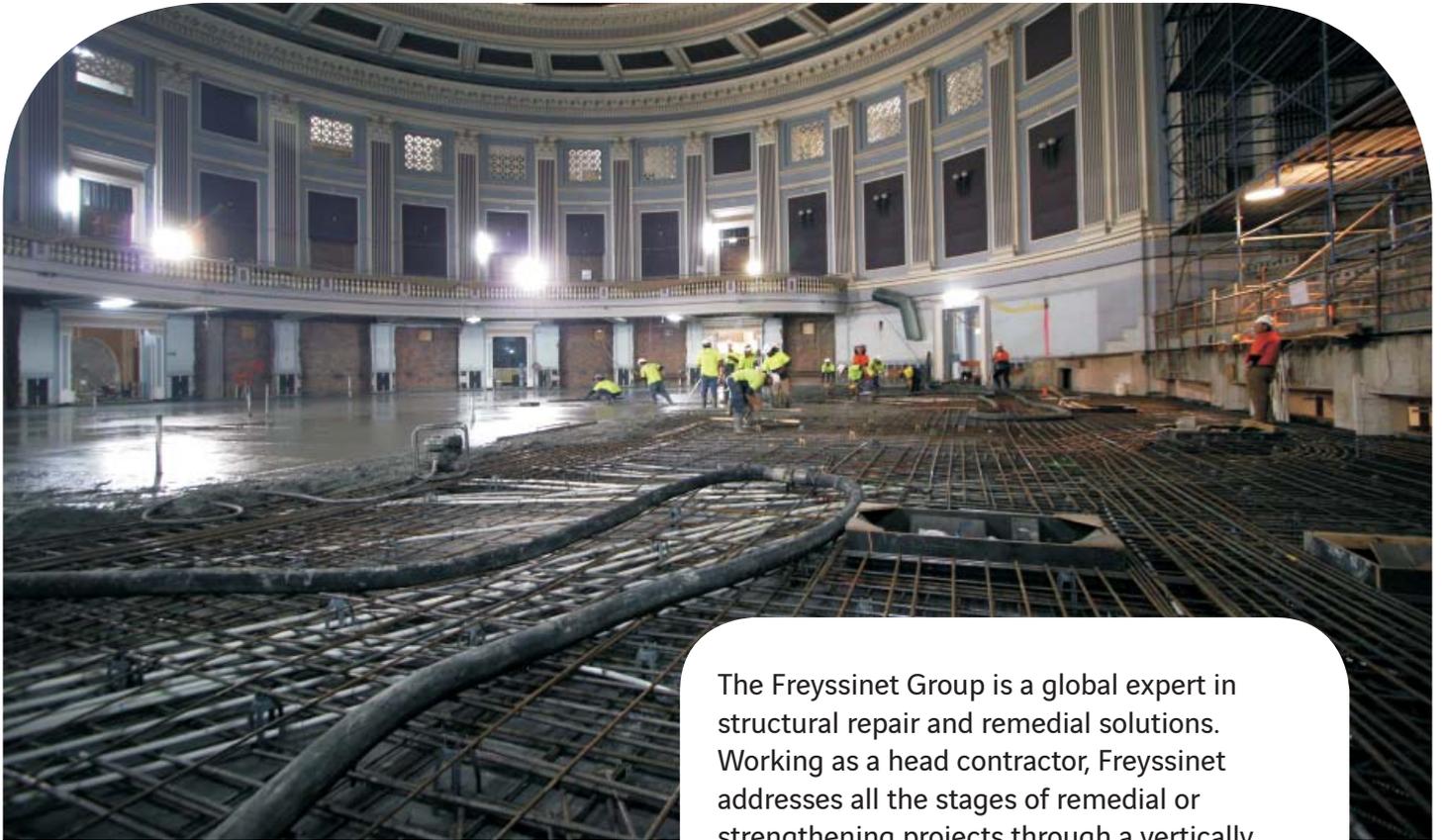
life cycle analysis

monitoring systems

condition surveys  
& reports

chlorine extraction  
& realkalisation

joints & coatings



The Freyssinet Group is a global expert in structural repair and remedial solutions. Working as a head contractor, Freyssinet 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 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 has become the leader in remedial engineering, with projects throughout the country on buildings, wharves, mining or marine structures, and many types of transport infrastructure such as bridges and tunnels.



**Repair**  
**Strengthen**  
**Protect**



dams

tanks &  
reservoirs

cement plants

silos

# Upgrade of Industrial Structures

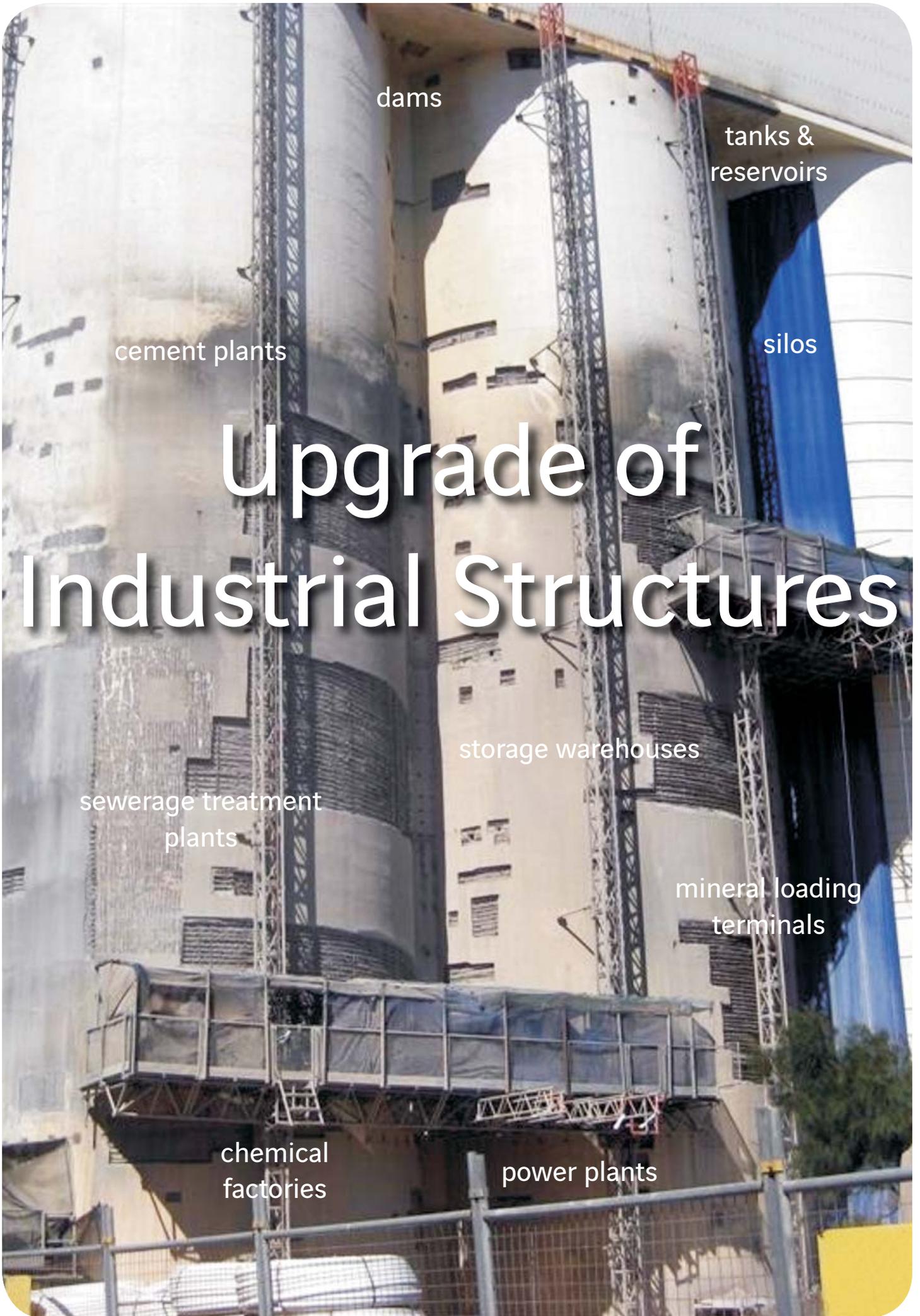
storage warehouses

sewerage treatment  
plants

mineral loading  
terminals

chemical  
factories

power plants





Any industrial structure or facility will age and undergo changes over its life. Drawing on its experience in civil and remedial engineering, Freyssinet 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 subcontractor**, Freyssinet'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.



## Products & Services

“ Together  
for the success of your projects ”



**FREYSSINET**

[www.freyssinet.com.au](http://www.freyssinet.com.au)

[www.freyssinet.co.nz](http://www.freyssinet.co.nz)

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