

Prestressing & Structural Strengthening

Design and technical support informed by site experience



Mapletree Quanzhou Industrial Logistics Park

Two complementary areas of expertise

Prestressing for new structures

Specialist post-tensioning design and technical support for cast-in-place concrete beams and floors in new-build and ongoing projects. Services include tendon layouts, anchorage detailing and construction-stage guidance.

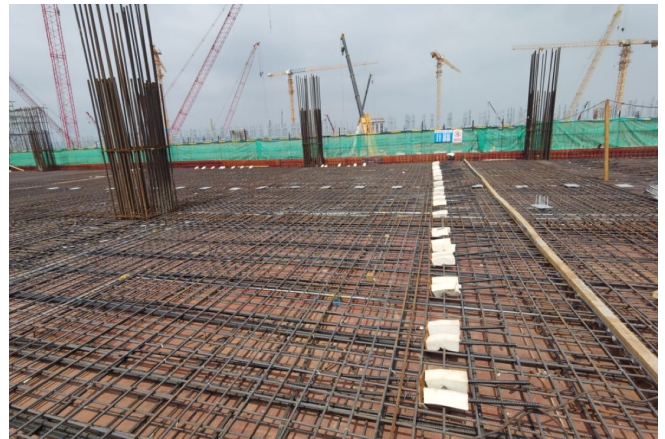
Strengthening existing structures

Structural strengthening schemes, design development and site technical support. Methods are selected to suit the structure and project requirements, with prestressing considered where appropriate.

Fujian Academy of Building Research Co., Ltd.

Selected project experience

Prestressing works in logistics and airport structures



Ningde Intermodal Logistics Centre, Phase II

Bonded post-tensioned beams

Approx. 600 t of strand | C40

Warehouse and freight-route structures with high loading requirements. Duct routes, anchorage reinforcement and stressing access require coordination before concrete placement.

Fuzhou Changle International Airport

North and south concourses

Approx. 450 t of strand

Unbonded prestressing in beams and floors. Multiple work fronts, reinforcement interfaces and closure strips require coordinated tendon installation and stressing sequences.

Project photographs: tendon installation and anchorage coordination.

Your technical contact

Lin Lin

Prestressing Technical Lead

Lin Lin coordinates direct technical communication for a team with extensive prestressing and structural strengthening design and construction experience. The team's project experience includes the Ningde Intermodal Logistics Centre and Fuzhou Changle International Airport.

A practical engineering team

We combine specialist design with site implementation experience. Lin Lin is your direct technical contact, coordinating the team's input from initial project discussions through the agreed technical support.

Working together

We welcome collaboration with structural consultants and specialist contractors on new construction and strengthening projects. Support can cover scheme development, specialist design, construction-method assessment, troubleshooting and site technical guidance.

For overseas projects, we work alongside local registered consultants and contractors, with statutory responsibility and delivery scope agreed for the project location.

Start with a project discussion

Tell us about the project stage and the engineering challenge. We can discuss how our team could support your work.

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