



## Engineering Services

### Consultants, Engineers, and Architects

Our services to engineering or architectural professionals for their structural strengthening requirements range from:

1. Providing complete composite design proposals using the appropriately selected TYFO® Fibrwrap Composite Systems while conforming to the International FRP design guidelines and codes such as:
  - International Code Council material and design guidelines - ICC AC125.
  - The American Concrete Institute Committee Report - ACI440.
  - The United Kingdom Concrete Society Technical Report - TR55.
  - The International Federation for Structural Concrete - fib bulletin14.
2. Providing specifications, drawings, detailing and installation support.
3. Providing quality control and design validation support by way of composite material properties and structural performance testing at accredited test facilities.

### Builders and Contractors

Our services to builders and contractors include appropriate design and execution solutions using the TYFO® Systems for remedial structural strengthening requirements associated with:

1. Low in-situ concrete compressive strength vis-à-vis design strength requirement.
2. Inadequate or erroneous steel reinforcement placement in reinforced concrete members.
3. Temporary construction loading with heavy equipment on elements not designed to cater to such loads.

### Facility Managers and Owners

Our comprehensive service package to facility managers and owner varies from:

1. Site visits, where warranted, to have a first hand visual assessment of the existing situation.
2. Comprehensive design and execution proposal, with necessary support for structural assessment or structural design and analysis services.