Structural Engineering Design

Services:

- Structural Design of Concrete and Steel Structures
- Structural Modelling and Linear and Nonlinear Static and Dynamic Analysis
- Structural Investigation and Assessment of Concrete and Steel Structures
- Restoration/Rehabilitation of Ancient Buildings and Monuments
- Peer Review
- Design Review for Precast and Prestressed Concrete Structures
- Seismic Hazard Assessment Studies
- Seismic Retrofit Analysis and Design
- Analysis and Design of Side Support Systems
- BIM
- Value Engineering
- Blast Resistant Building Design
- Strengthening and upgrading of existing structures
- Permits

Codes and Standards:

- AASHTO
- ACI Standards
- AISC Standards
- ASCE Standards
- British Standards
- DBC
- Egyptian Codes of Practice (ECP)
- Eurocode
- International Building Code (IBC)
- MODON Development Standards (KSA)
- MOMRA Bridge Design Specifications (KSA)
- Royal Commission Standards (KSA)
- Saudi ARAMCO Standards
- Saudi Building Codes (SBC)
- UBC

Software:

- ADAPT
- ASDIP Foundations
- ASDIP Retaining Walls
- ASDIP Steel
- Concise Beam
- CSI COLUMN
- ETABS
- PROKON
- RCM ACI Builder
- SAFE
- SAP 2000
- STAAD.PRO
- ANSYS
- AutoCAD (Drawing)
- Revit Structure