

GRUPPE

ADVANCE STEEL STRUCTURAL DESIGN

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GRUPPE CONSULTANT is a **steel structural engineering consultant** who practices a cycle of steel engineering process. We are practiced from **conceptual design (3D modelling)**, **structural analysis and design**, **parametric design**, **shop drawing preparation**, **fabrication and erection supervisor** & **engineering and project implementation**.

MISSION

To provide highly distinguished world class design technology services combined with classic structural engineering expertise, delivering the best in class product and services.

OUR SERVICES

01

PROFESSIONAL DESIGN CONCEPTUAL

We collaborate with architects, owners and builders to develop intellect structural solutions in order to accomplish the demands of the most technically challenging projects - from design of new services to renovations and conversions of iconic structures.

02

MODELLING AND STRUCTURAL ANALYSIS

We produced 3D model of the structure developed by using 3D modelling software while complete analysis of the structures executed by Finite Element Software and Structural Analysis and Design Software.

03

DETAILING & ANALYSIS

We provide a complete detail and analysis for clients. We collaborate with architects, owners and builders to develop elegant details prior to analysis. Traditional method and latest tools (PE Software) have been implemented for every single details implemented.

04

PARAMETRIC DESIGN

We provide innovative engineering services with our in-house experts, with specific programming requirements and advising on cost associated with structural designs.

05

SHOP DRAWING PREPARATION

Shop drawings are generated by Building Information Modelling (BIM) Software. It helps to improve quality, increase profits and reduce risk. Across the design, plan and construction lifecycle BIM is an integrated process built on reliable, buildable digital project information.

06

STEEL STRUCTURES FABRICATION

We provide complete Method of Statement prior to erection process in order for clients to get a clear picture of construction sequences. With the method proposed, project cost easily controled.

07

INSTALLATION OF STEEL STRUCTURES

We provide structural installation services to leading contractors and owners with a perfect commitment to safety and opportune project completion. The erection categories practiced are building structure, building skin and building performance.

08

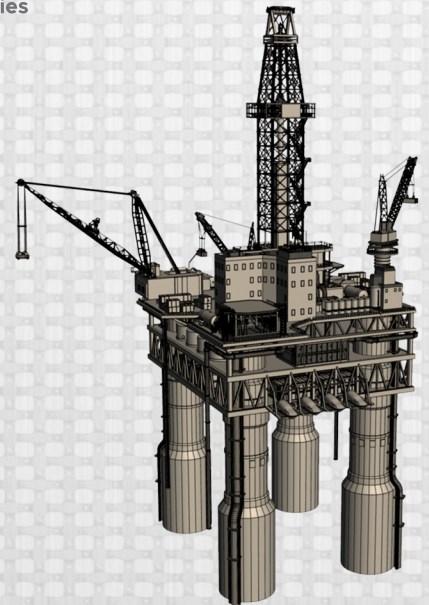
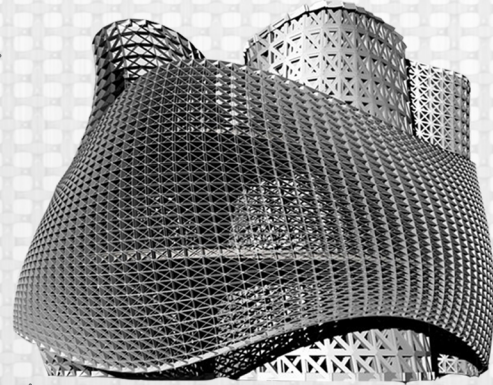
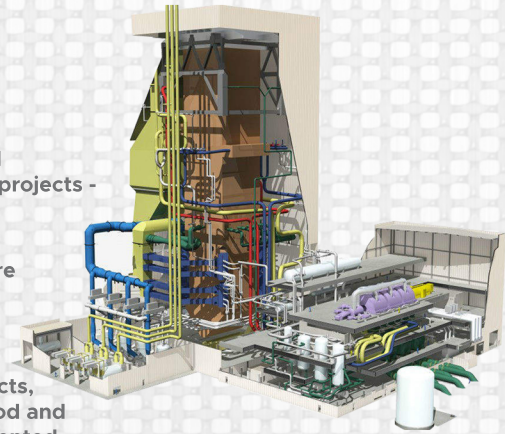
FORENSIC ENGINEERING

We provide forensic Engineering services. Our group of engineers are well versed in the challenges associated with performing critical investigations and the analysis involved with the determination of cause and origin.

09

VALUE ENGINEERING AND OPTIMISATION

Developing accurate construction bid estimates requires a comprehensive understanding of project costs and factors that impact project costs, along with knowledge of the estimating process. We provide services to assist with conceptual budgets, preliminary estimates, quantity take-offs, bid estimates or contract pricing.



OUR GUARANTEE

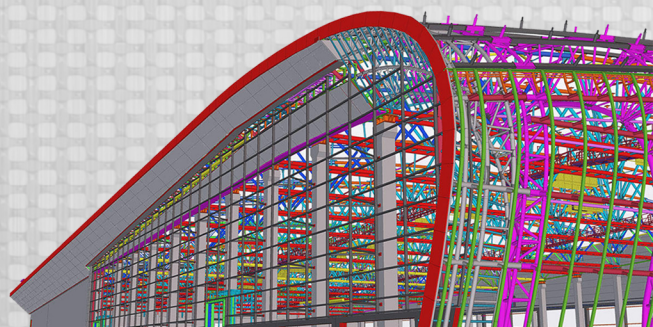
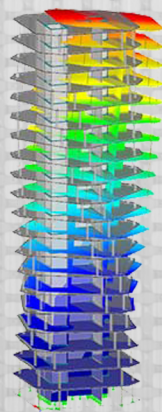
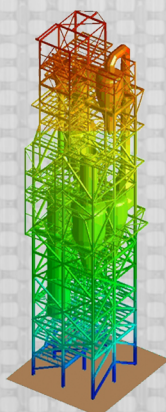
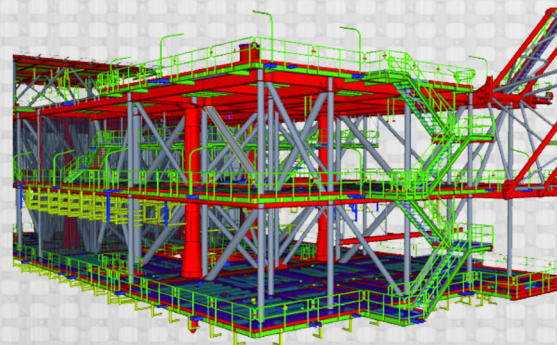
Cost- optimized structural design using parametric design based on our in-house experts with design development.

Innovative value engineering design of the projects on which you are requested.

High quality data conversion between a range of BIM software products and custom solutions.

Rapid quantity survey, detailing and shop drawings based on 3d model developed.

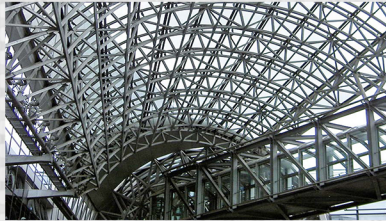
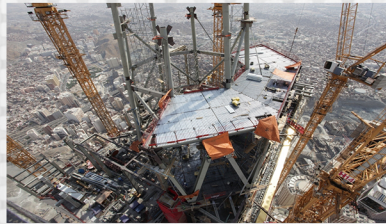
Satisfaction - Quality control from design conceptual to thev execution process



BUSINESS DEVELOPMENT

BUSINESS SECTOR

- *All kind of Industrial Structural Steel Frame Building
- *Power Plant
- *Sugar Plant
- *Port & Jetty Terminal
- *Oil & Gas Plant



ENGINEERING CONSULTANCY

- *Feasibility studies
- *Owner's Engineer Services
- *Site review
- *Design, Design Evaluation & Modelling
- *Assistance on the institutional framework and contracting strategies
- *Technical negotiation of contracts
- *Project implementation supervision



PORTFOLIO WORK FLOW METHODOLOGY

01 CONCEPTUALIZATION

- *Collect site data and other relevant criteria for design
- *Ideas Generation
- *Feasibility check
- *Preliminary Layout Engineering
- *Preparation of design criteria

02 BASIC ENGINEERING

- *Finalization of design criteria
- *Freezing layout, plan and site elevation drawing
- *Selection of the equipments for the system and relevant calculations
- *Power requirement calculations for the system
- *Load data for complete scope (mechanical, structural and electrical discipline)
- *Technical specification for long lead equipments
- *Tender evaluation for long lead equipments.
- *Co-ordination with sub-consultants/vendors

03 DETAIL ENGINEERING

- *Procurement planning
- *Raising inquiry and co-ordination with vendors
- *Technical evaluation of vendors
- *General arrangements
- *Detailing
- *Fabrication and erection drawings

04 ERECTION AND COMMISIONING

- *Prepare transmittals and submit "Good for construction" drawings to fabrication
- *Evaluation of contractors
- *Erection Supervision
- *Commisioning support
- *Performance guarantee
- *as-built drawings





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CONTACT



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