Structural Steel Modeling and Detailing

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CAPABILITIES

• Steel Detailing
• 3D Modeling
• 2D Drafting & Detailing for Systems & Equipment
• Erection & Commissioning Drawing
• Fabrication Drawing
• Tekla Version Customer Preferred
• Dedicated Resource or Project Based Delivery Models

Sample Projects Follows..
STOCKPILE, SECONDARY CRUSHING & ORE HANDLING HP GR FEED TRANSFER CONVEYOR
PROJECT: ENHANCEMENT OF FIRE PROTECTION SYSTEM (EFPS) IN REFINERY AND SITRA TANK FARM
STRUCTURE: FW PUMP HOUSE SHELTER (B20SH01)
WEIGHT: 190 Mt
SCOPE:
3D Modeling (Main steel + Misc. Steel)
2D drawing preparation (Erection & Fabrication drawing)

PROJECT: 1X 550 TPD WASTE TO ENERGY PLANT
STRUCTURE: ACC SUPPORTING STRUCTURE
WEIGHT: 128 Mt
SCOPE:
3D Modeling (Main steel + Misc. Steel)
2D drawing preparation (Erection Drawing & Fabrication drawing)
PROJECT: ENHANCEMENT OF FIRE PROTECTION SYSTEM (EFPS) IN REFINERY & SITRA TANK FARM
STRUCTURE: FW PUMP HOUSE SHELTER (A20SH01)
WEIGHT: 95 Mt
SCOPE: 2D drawing preparation (Fabrication drawing)

PROJECT: ENHANCEMENT OF FIRE PROTECTION SYSTEM (EFPS) IN REFINERY & SITRA TANK FARM
STRUCTURE: FOAM SKID SHELTER (B10SH01)
WEIGHT: 28 Mt
SCOPE: 3D Modeling (Main steel + Misc Steel)
2D drawing preparation (Erection & Fabrication drawing)
PROJECT: PORT UPGRADE PROJECT  
STRUCTURE: BUCKET ELEVATOR TOWER  
WEIGHT : 165 Mt  
SCOPE :  
• Connection Design  
• 3D Modeling ( Main steel + Misc Steel )  
• 2D drawing preparation (Erection & Fabrication drawing)

PROJECT: BAPCO MODERNIZATION PROGRAM  
STRUCTURE: CIRCULAR PLATFORMS  
WEIGHT : 400 Mt  
SCOPE :  
• 3D Modeling ( Main steel + Misc Steel )  
• 2D drawing preparation (Erection & Fabrication drawing)
PROJECT: GENTANOL BELGIUM - ARCELOR MITTAL
STRUCTURE: DEDUSTING AND DEWATERING UNIT

WEIGHT : 18 Mt

SCOPE :
• 3D Modeling (Main steel + Misc Steel) based on STAAD input
• Preparation on Design GA
• 2D drawing preparation (Erection & Fabrication drawing)
PROJECT: PRESSURE TEST BAY

WEIGHT: 32 Mt

SCOPE:
- Connection Design
- 3D Modeling (Main steel + Misc Steel)
- 2D drawing preparation (Erection & Fabrication drawing)

PROJECT: BAPCO MODERNIZATION PROGRAM

STRUCTURE: STEEL PLATFORMS

WEIGHT: Varies platform wise

SCOPE:
- Connection Design
- 3D Modeling (Main steel + Misc Steel)
- 2D drawing preparation (Erection & Fabrication drawing)
STRUCTURE: SKYLIGHTS & FOOD COURT STRUCTURES

WEIGHT : 400 Mt

SCOPE :
- Co-ordination
- 3D Modeling (Main steel + Misc Steel)
- 2D drawing preparation (Erection & Fabrication drawing)
Input: Concept / sketches & design data.
Output: 3D CAD Model and 2D fabrication drawings, flat patter & DXF file and BOM
Scope of Work: Stress Analysis & Optimization of a 50T x 30Mtr Span Portal Crane under various wind in service & wind out of service load cases in order to evaluate the crane structure from strength, buckling, stability, natural frequency, seismic loads and deflection point of view.
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