

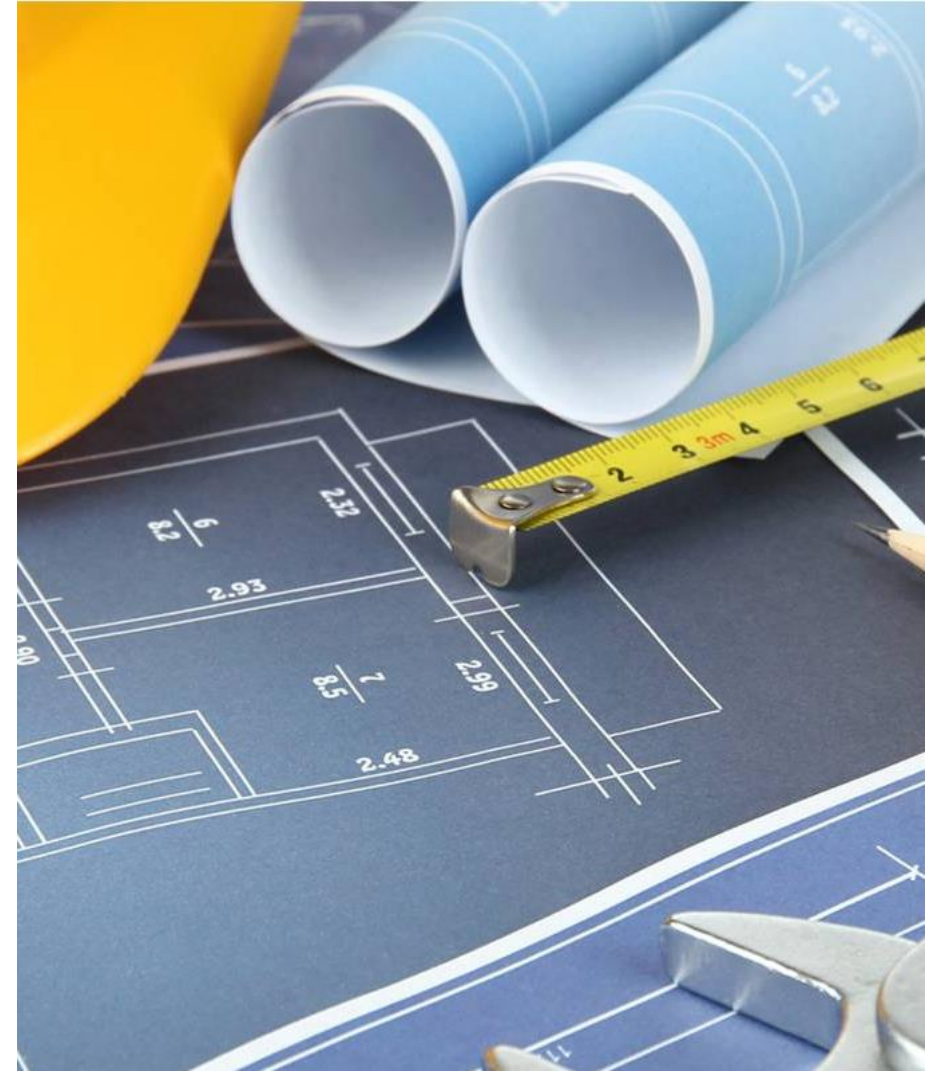
Structural Steel Modeling and Detailing

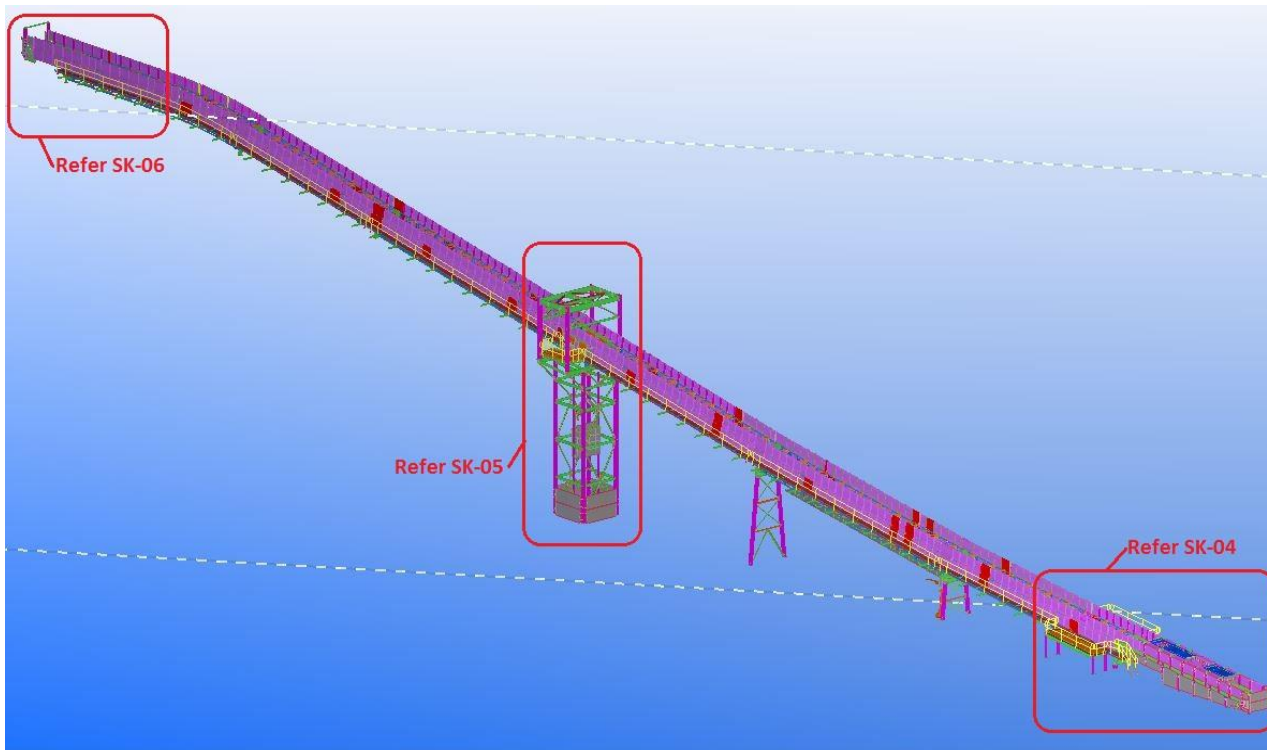


CAPABILITIES

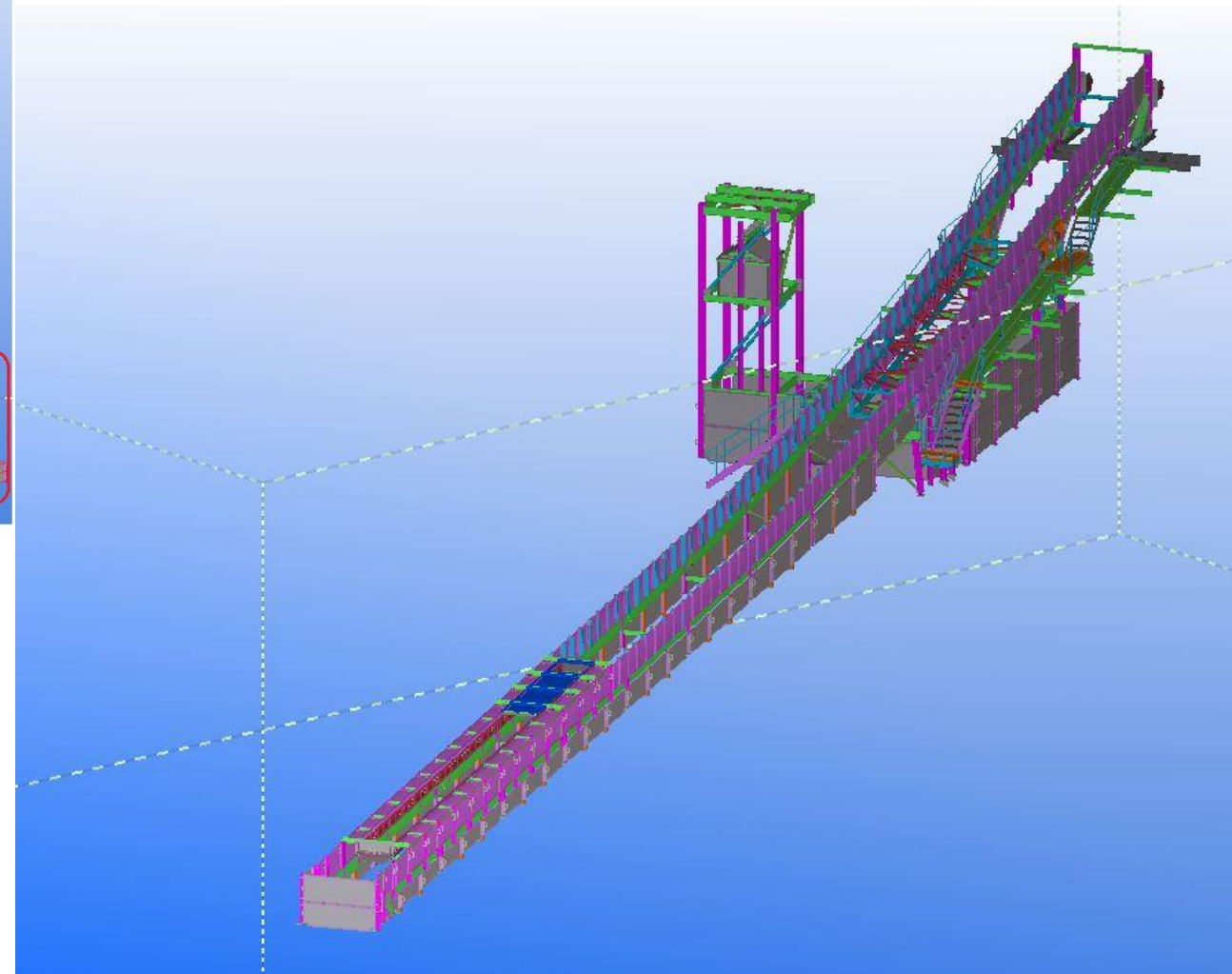
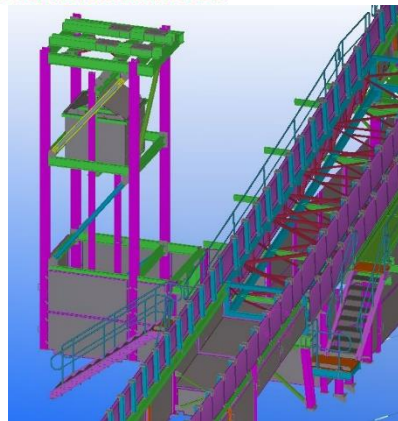
- **Steel Detailing**
- **3D Modeling**
- **2D Drafting & Detailing for Systems & Equipment**
- **Erection & Commissioning Drawing**
- **Fabrication Drawing**
- **Tekla Version Customer Preferred**
- **Dedicated Resource or Project Based Delivery Models**

Sample Projects Follows..

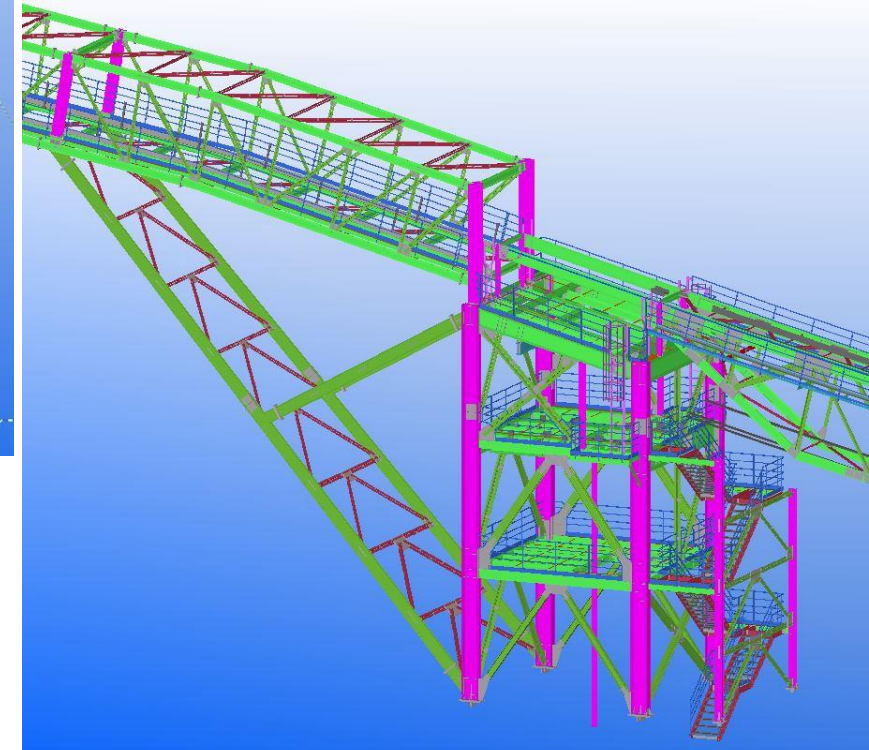
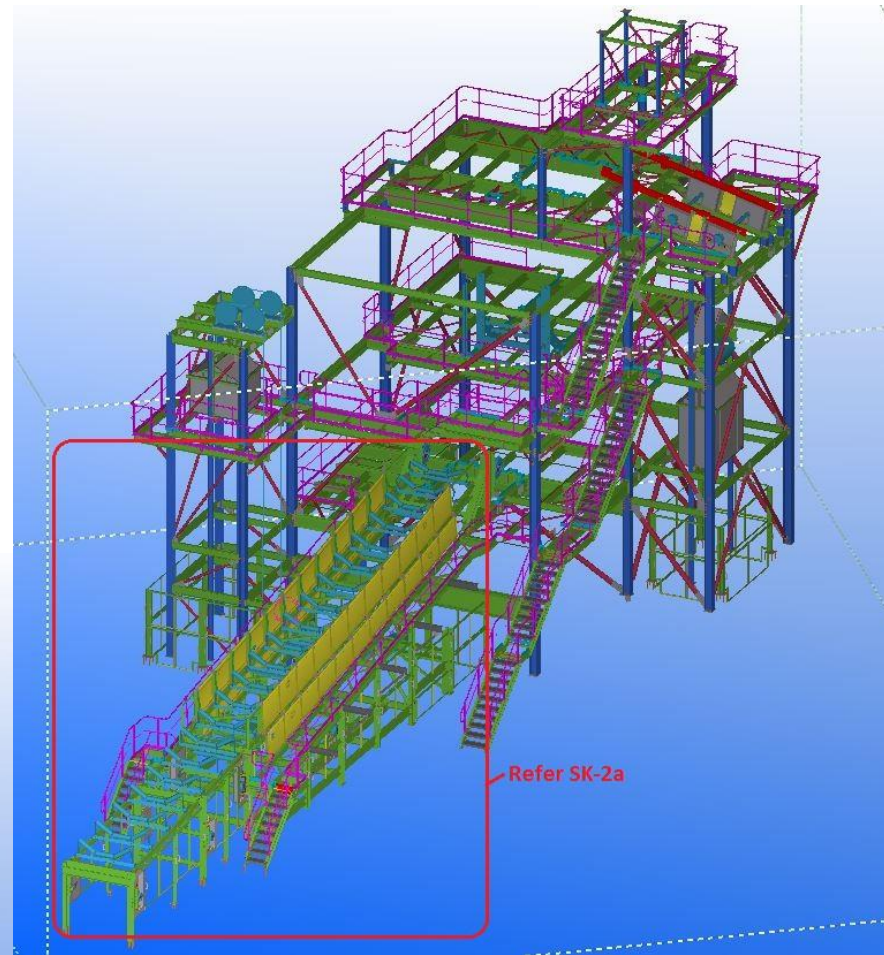
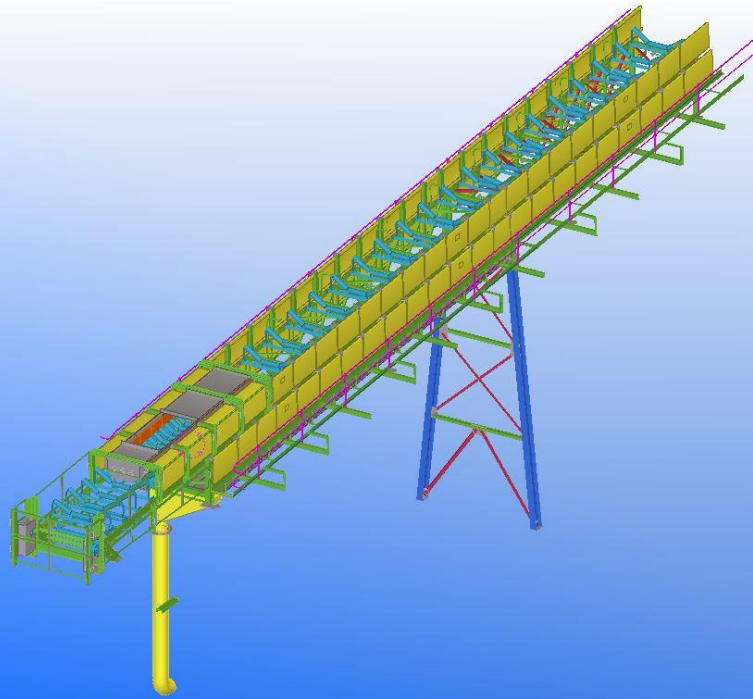




**STOCKPILE, SECONDARY CRUSHING & ORE HANDLING
HP GR FEED TRANSFER CONVEYOR**



STOCKPILE, SECONDARY CRUSHING & OREHANDLING HP GR FEED TRANSFER CONVEYOR



PROJECT : 1X 550 TPD WASTE TO ENERGY PLANT

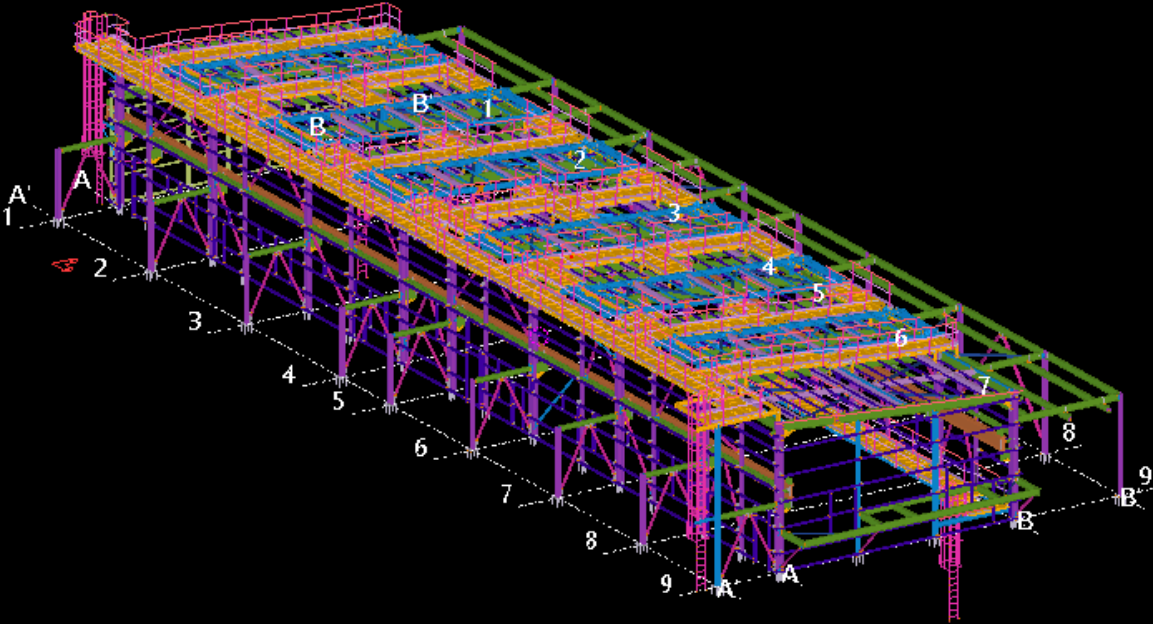
STRUCTURE: ACC SUPPORTING STRUCTURE

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**

AND SITRA TANK FARM

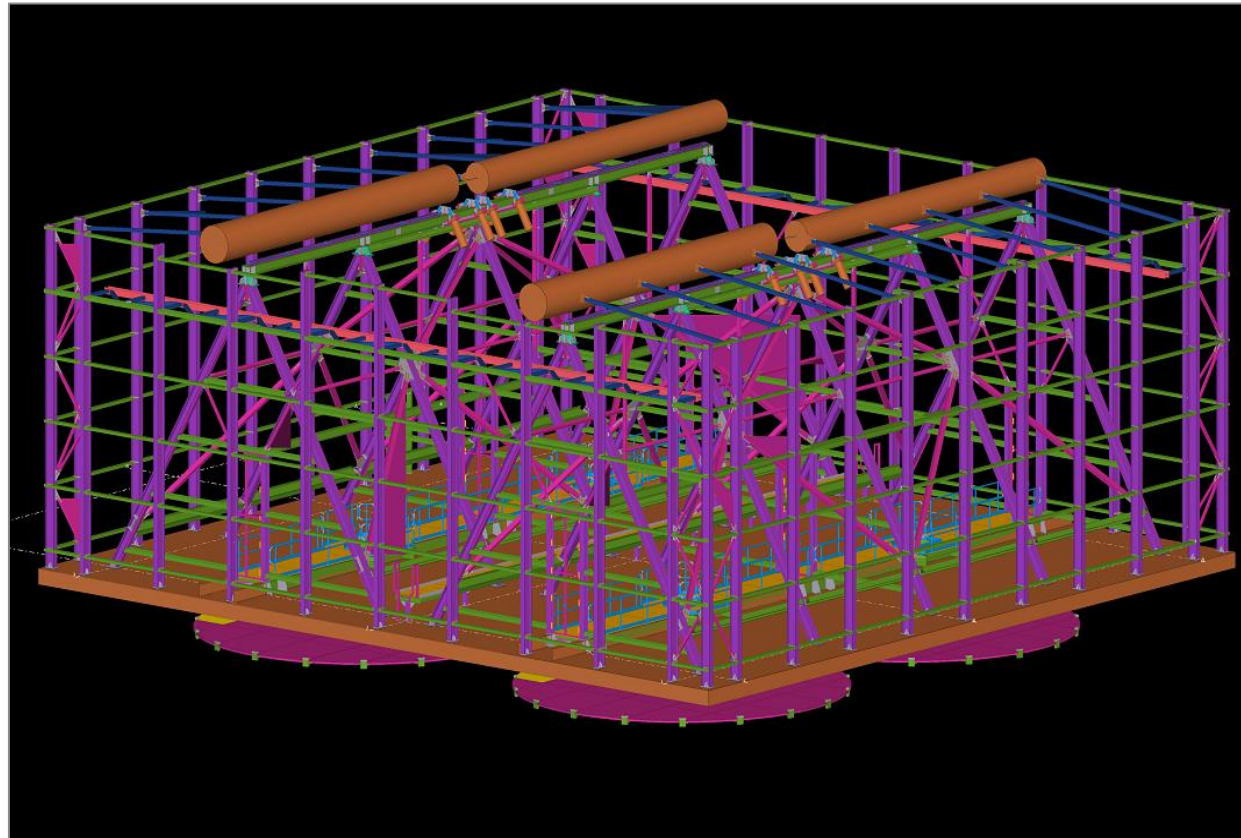
STRUCTURE: FW PUMP HOUSE SHELTER (B20SH01)

WEIGHT : 190 Mt

SCOPE :

3D Modeling (Main steel + Misc. Steel)

2D drawing preparation (Erection & Fabrication drawing)

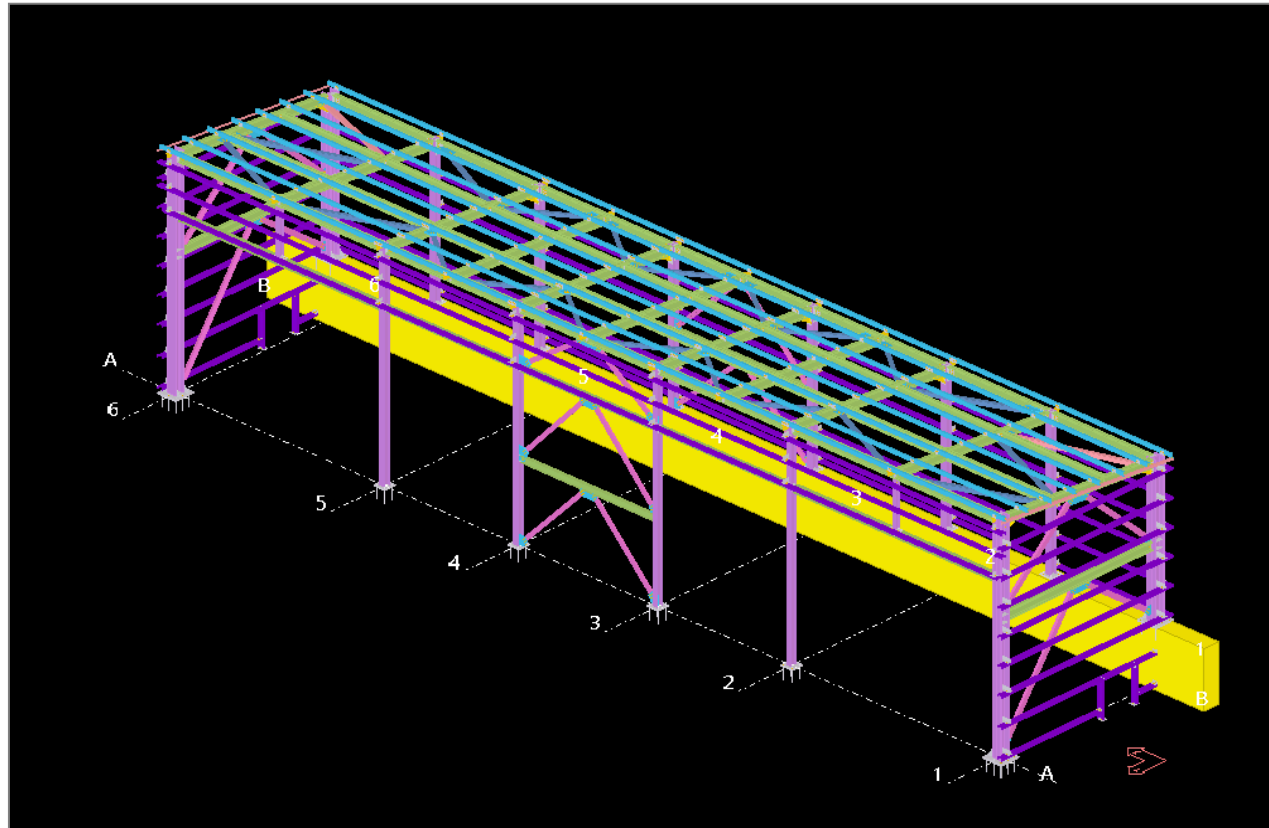
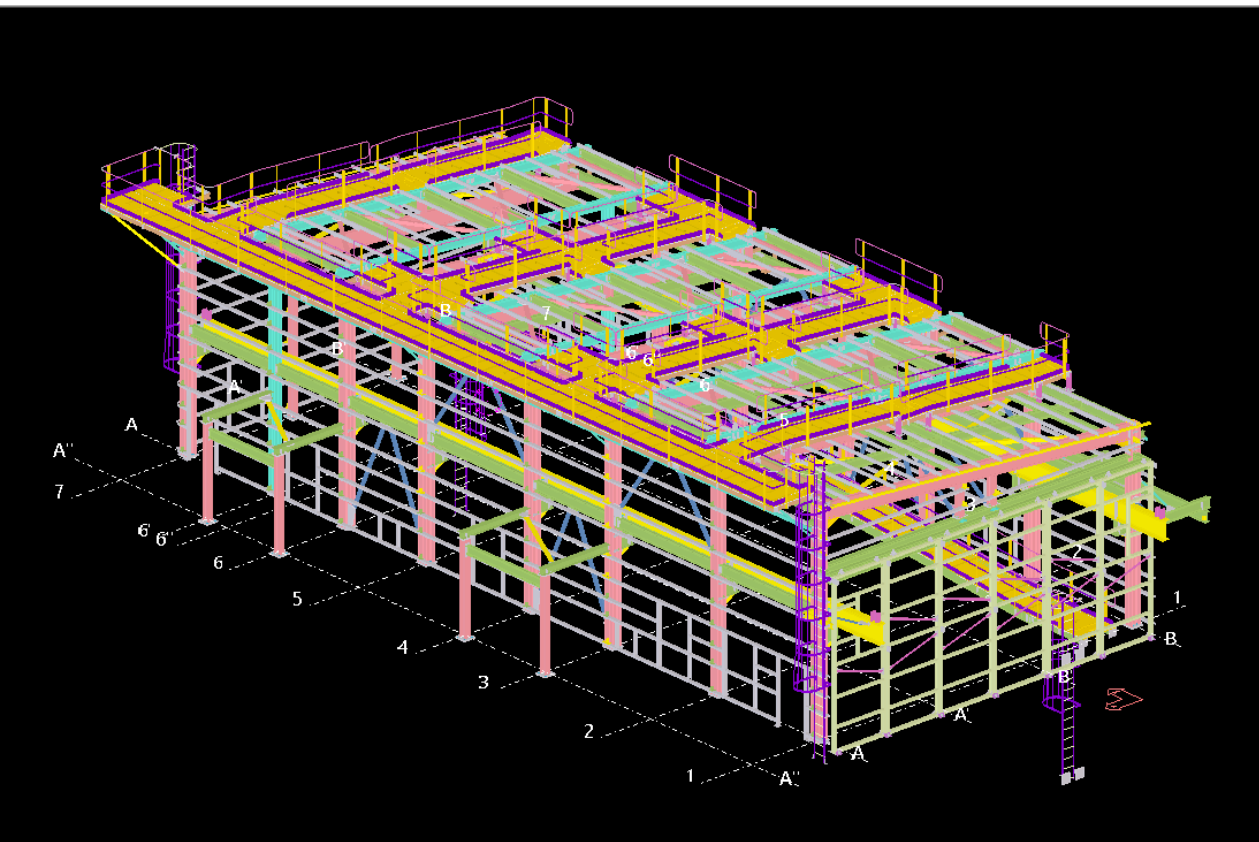


PROJECT: ENHANCEMENT OF FIRE PROTECTION SYSTEM (EFPS) IN REFINERY & SITRA TANK FARM

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)

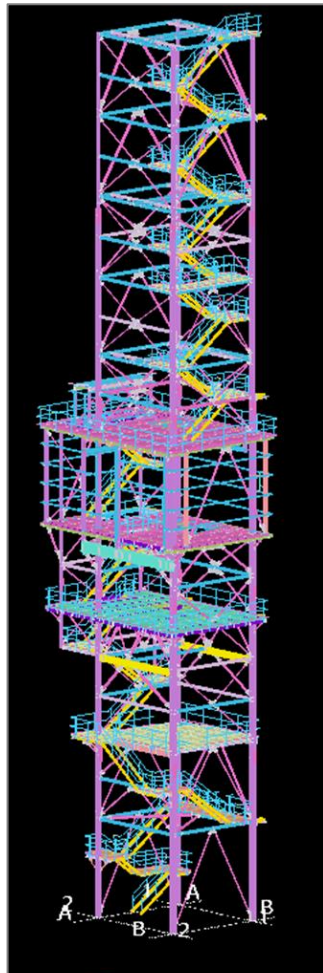
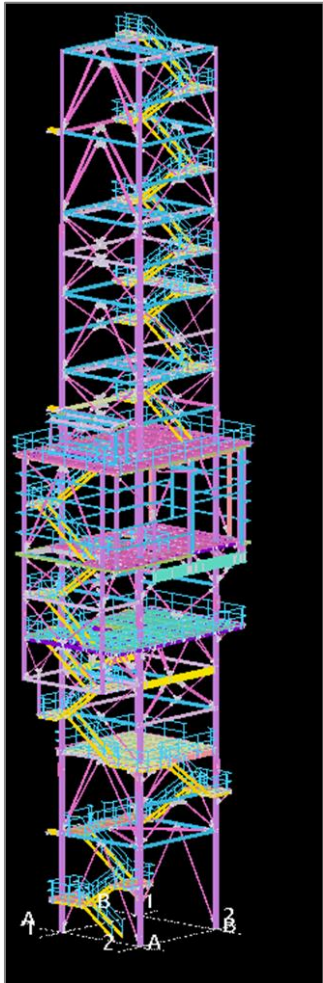
PROJECT: PORT UPGRADE PROJECT

STRUCTURE: BUCKET ELEVATOR TOWER

WEIGHT : 165 Mt

SCOPE :

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



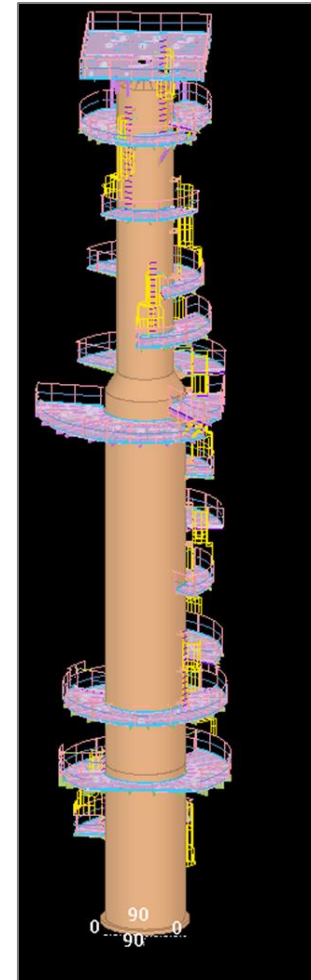
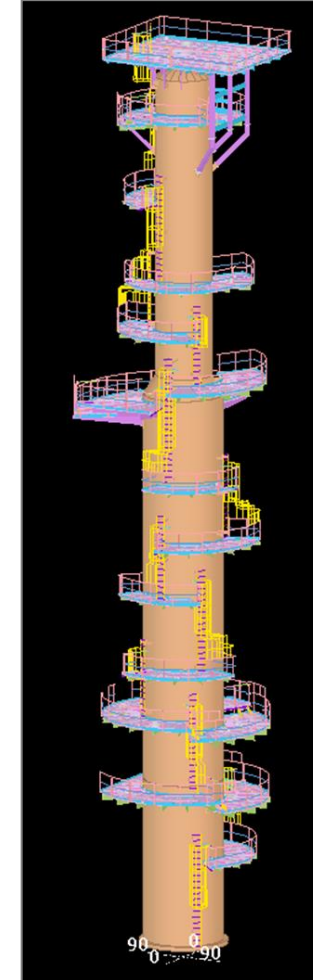
PROJECT: BAPCO MODERNIZATION PROGRAM

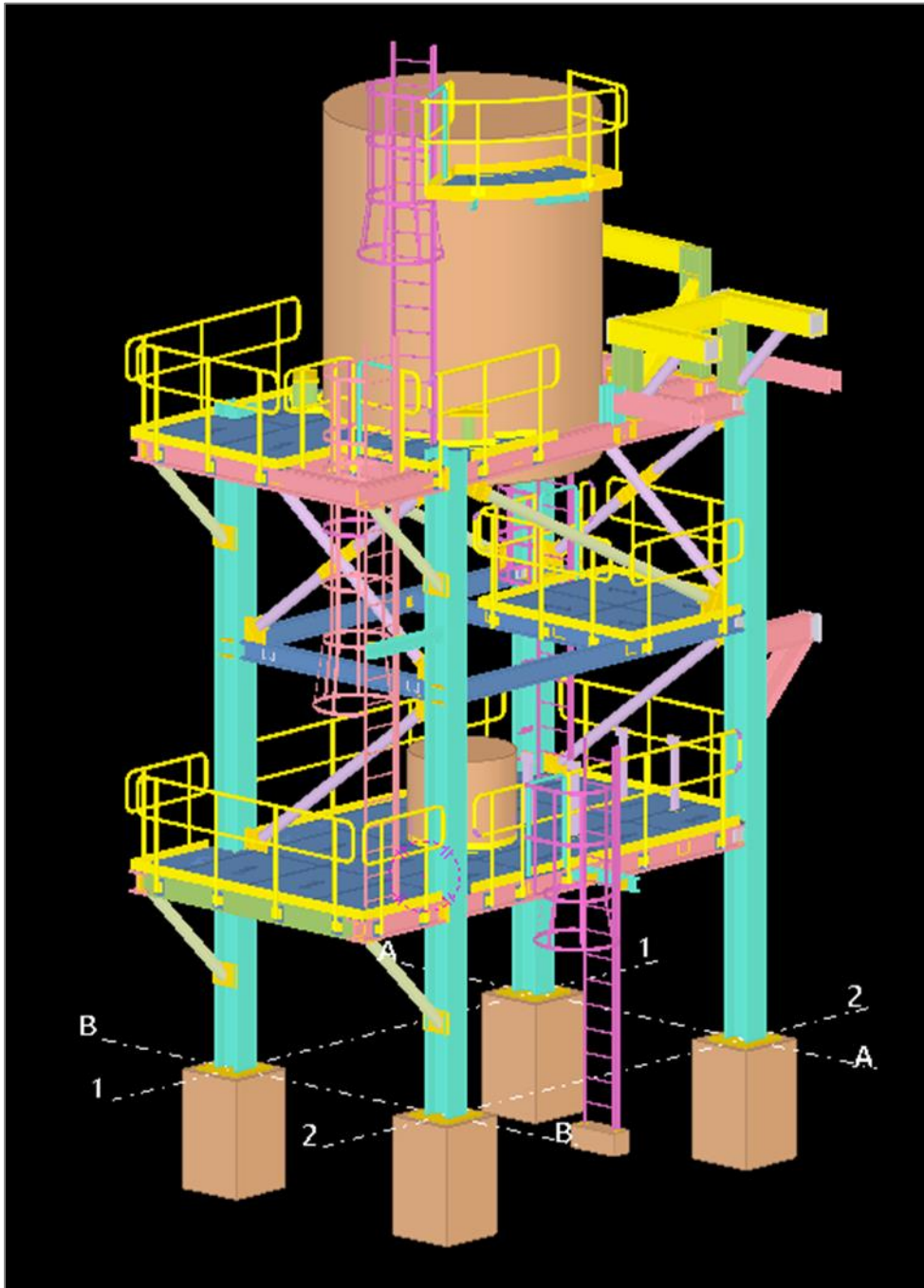
STRUCTURE: CIRCULAR PLATFORMS

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 :

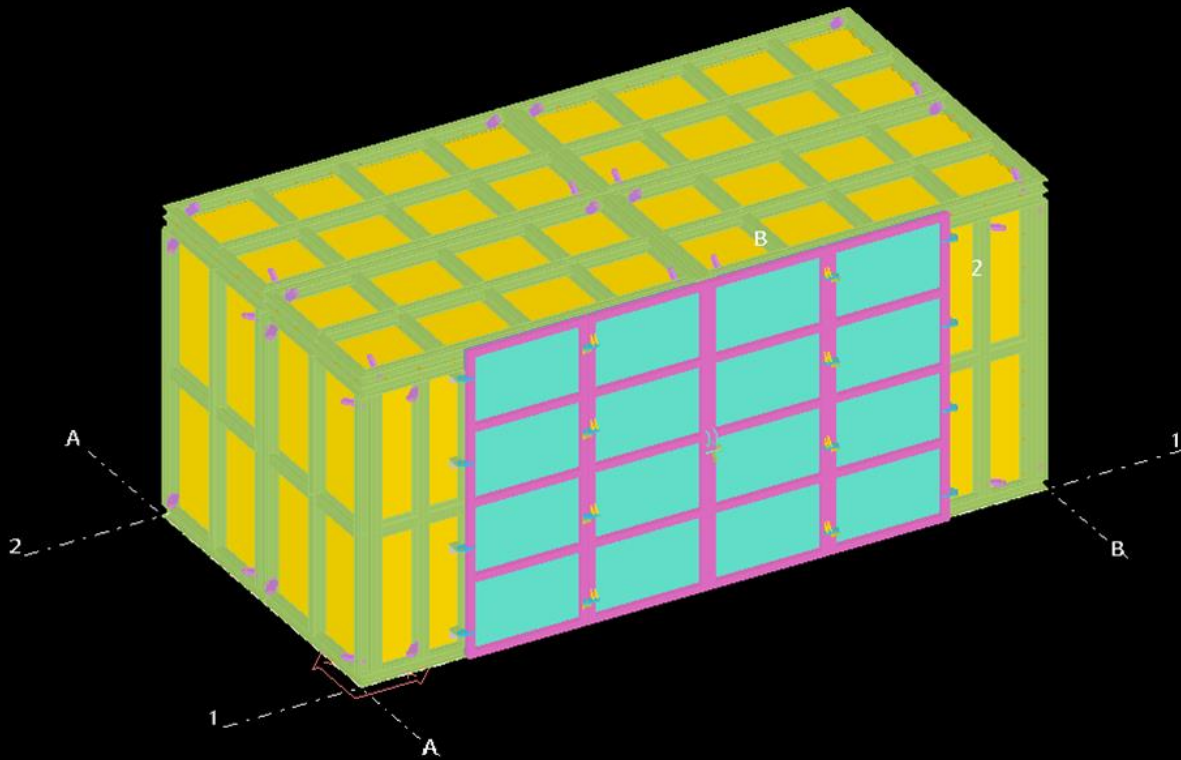
- 3D Modeling (Main steel + Misc Steel) based on STAAD input
- Preparation on Design GA
- 2D drawing preparation (Erection & Fabrication drawing)

PROJECT: PRESSURE TEST BAY

WEIGHT : 32 Mt

SCOPE :

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



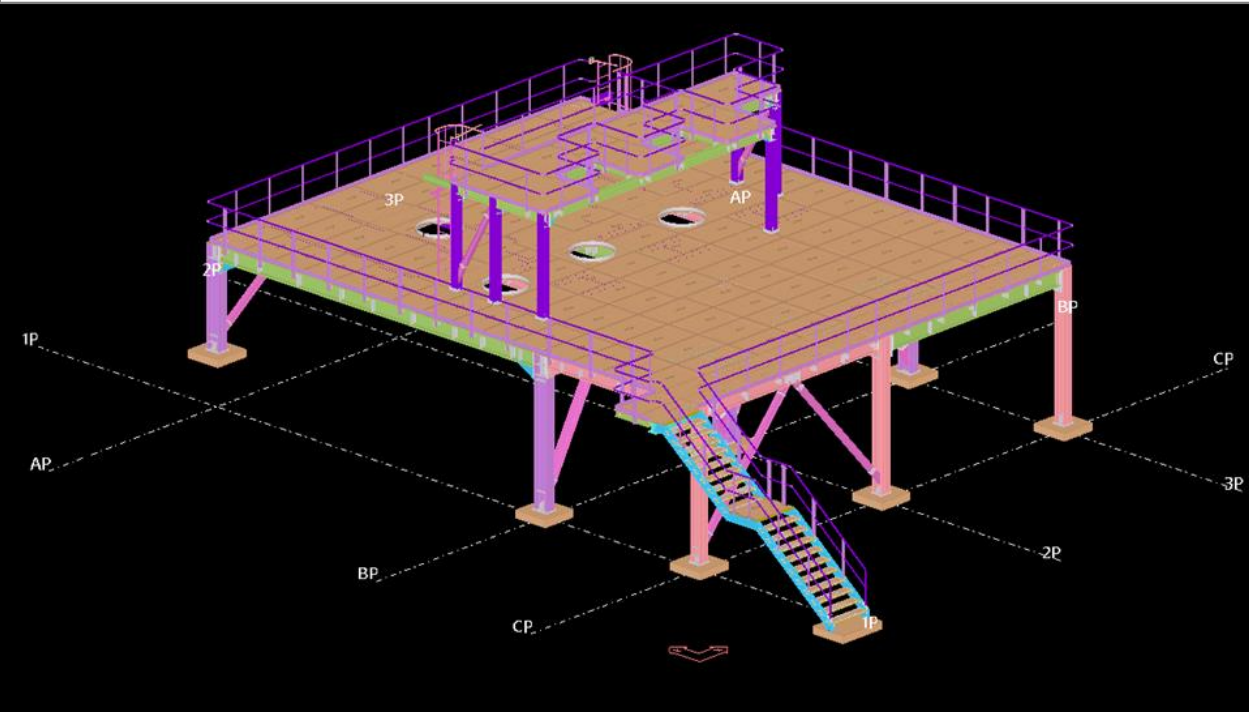
PROJECT: BAPCO MODERNIZATION PROGRAM

STRUCTURE: STEEL PLATFORMS

WEIGHT : Varies platform wise

SCOPE :

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

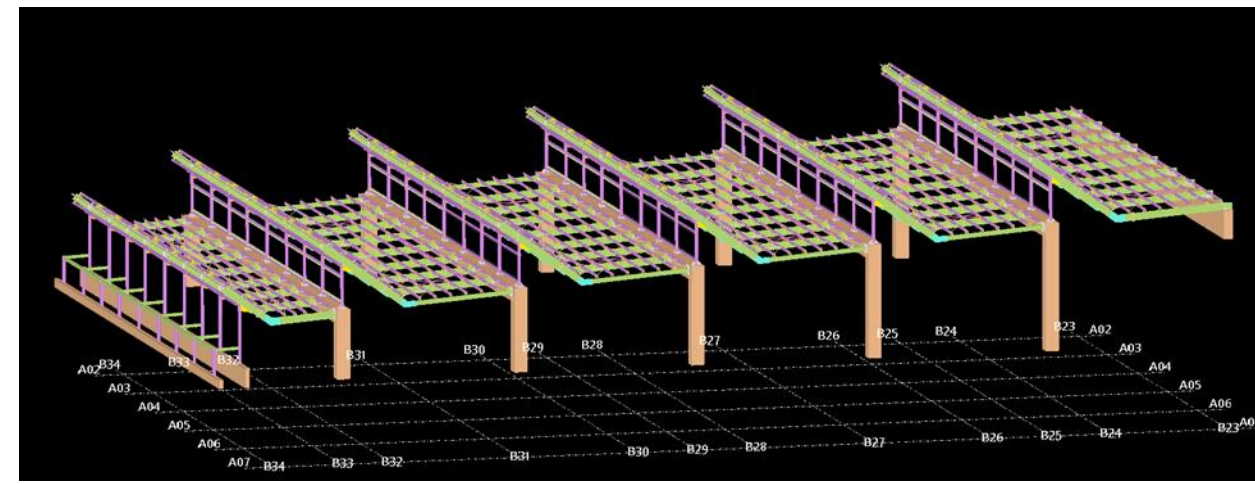
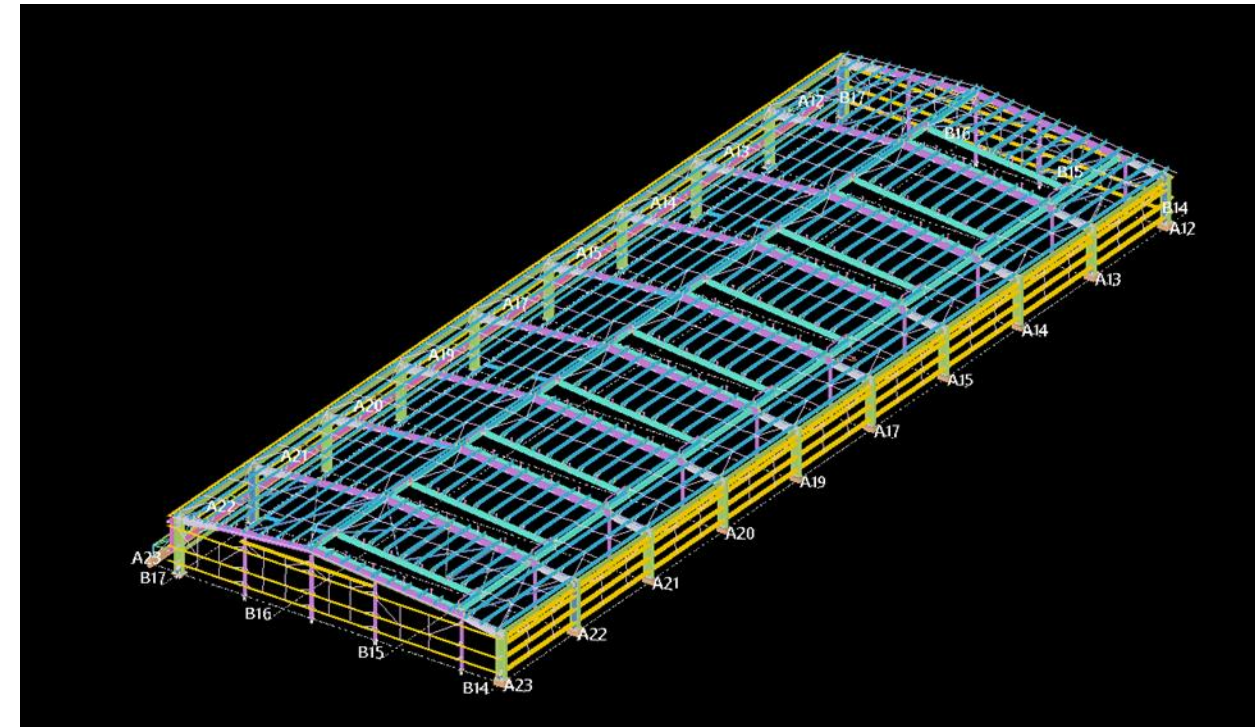
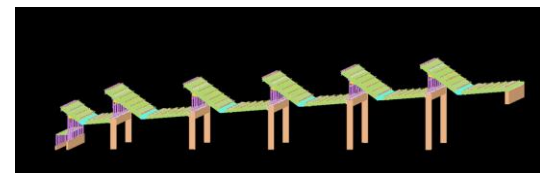
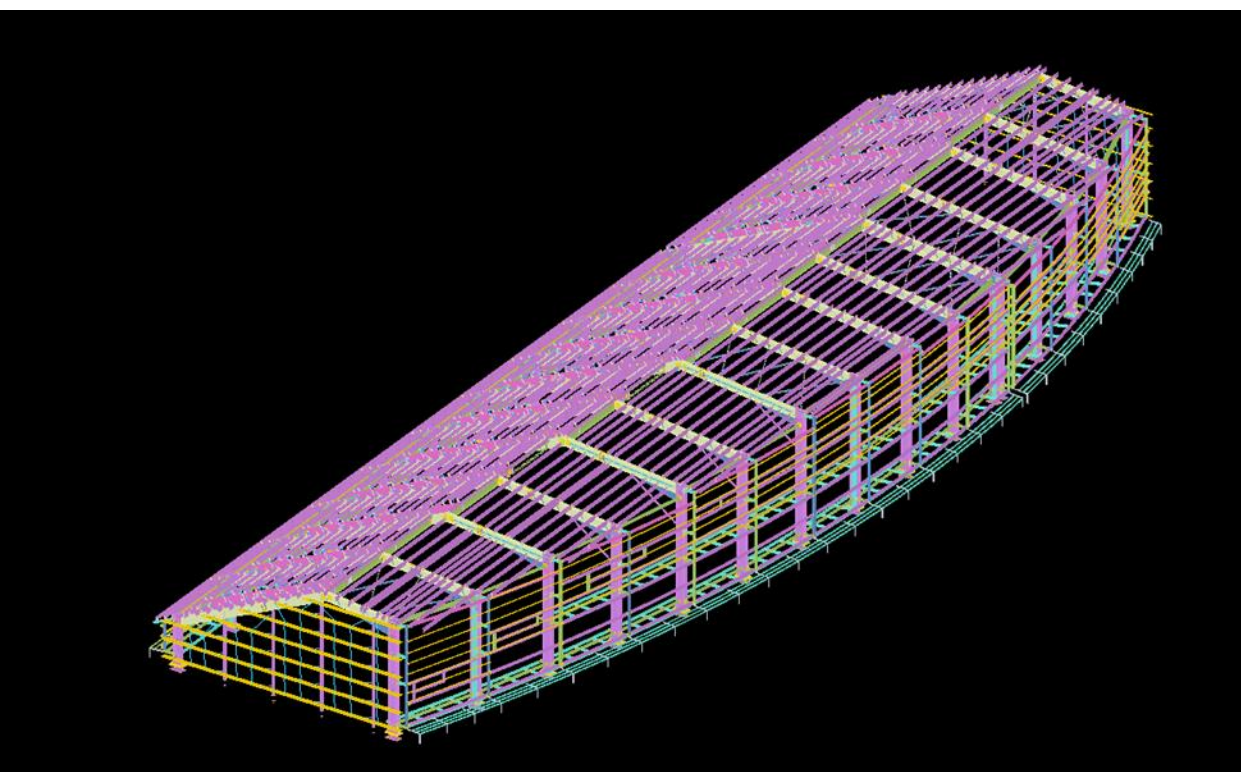


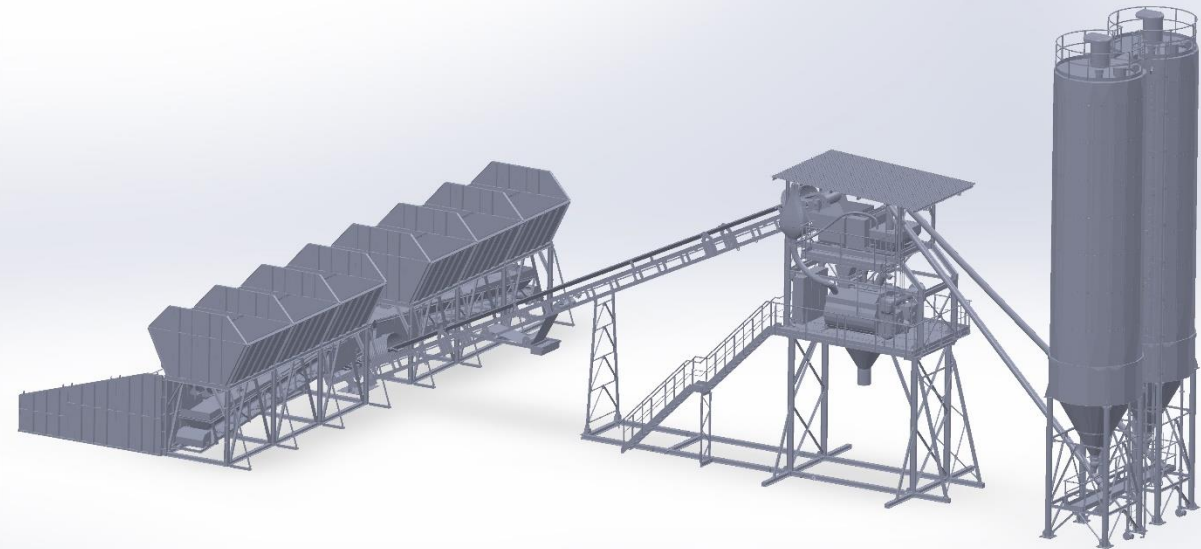
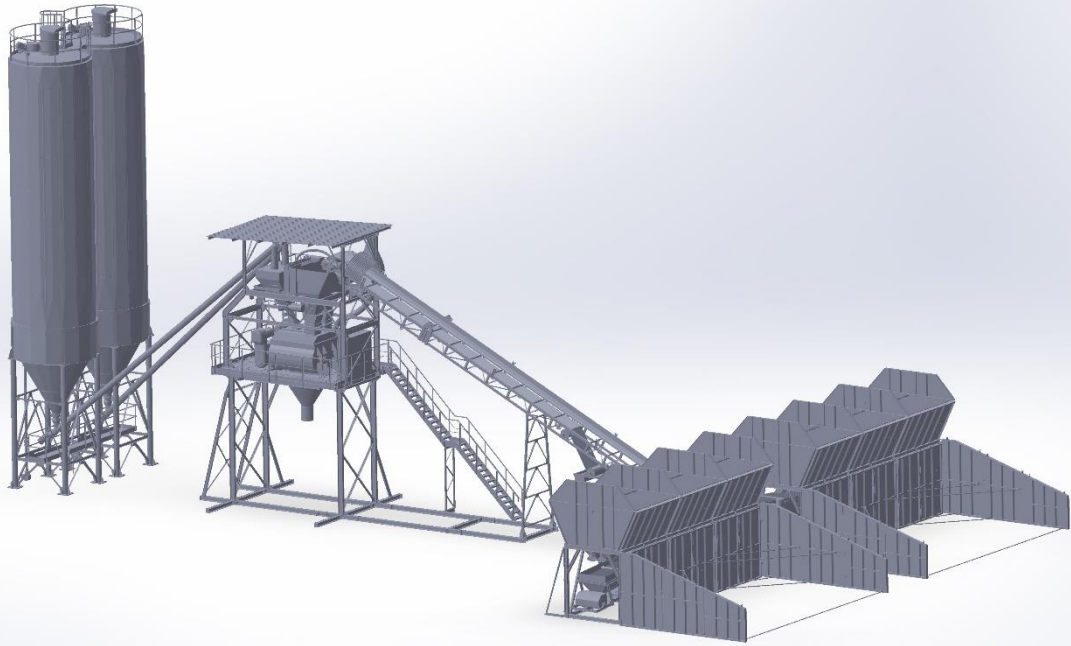
STRUCTURE: SKYLIGHTS & FOOD COURT STRUCTURES

WEIGHT : 400 Mt

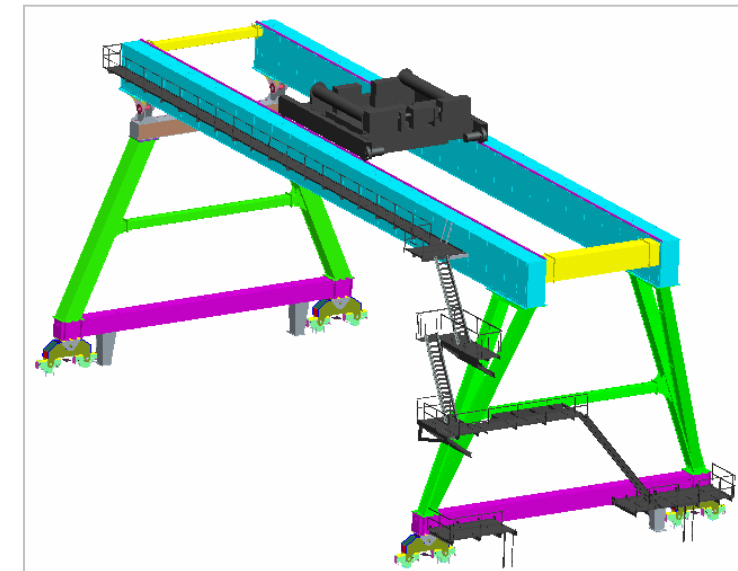
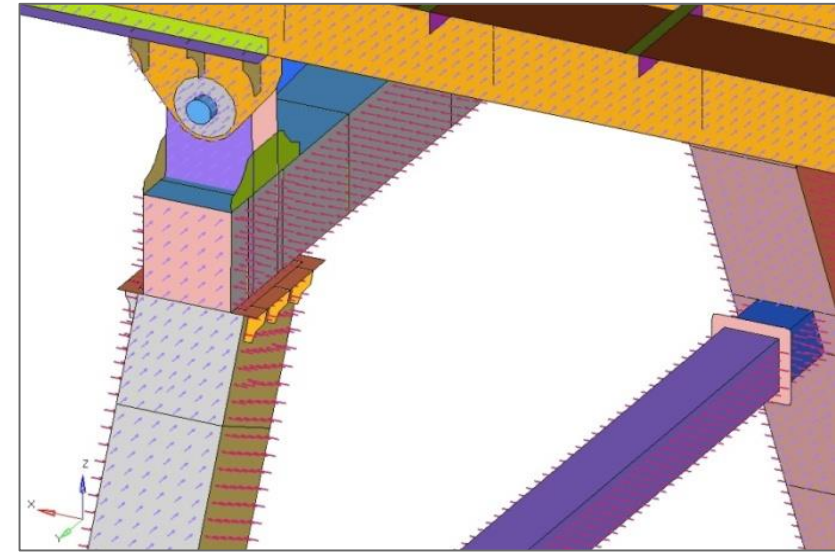
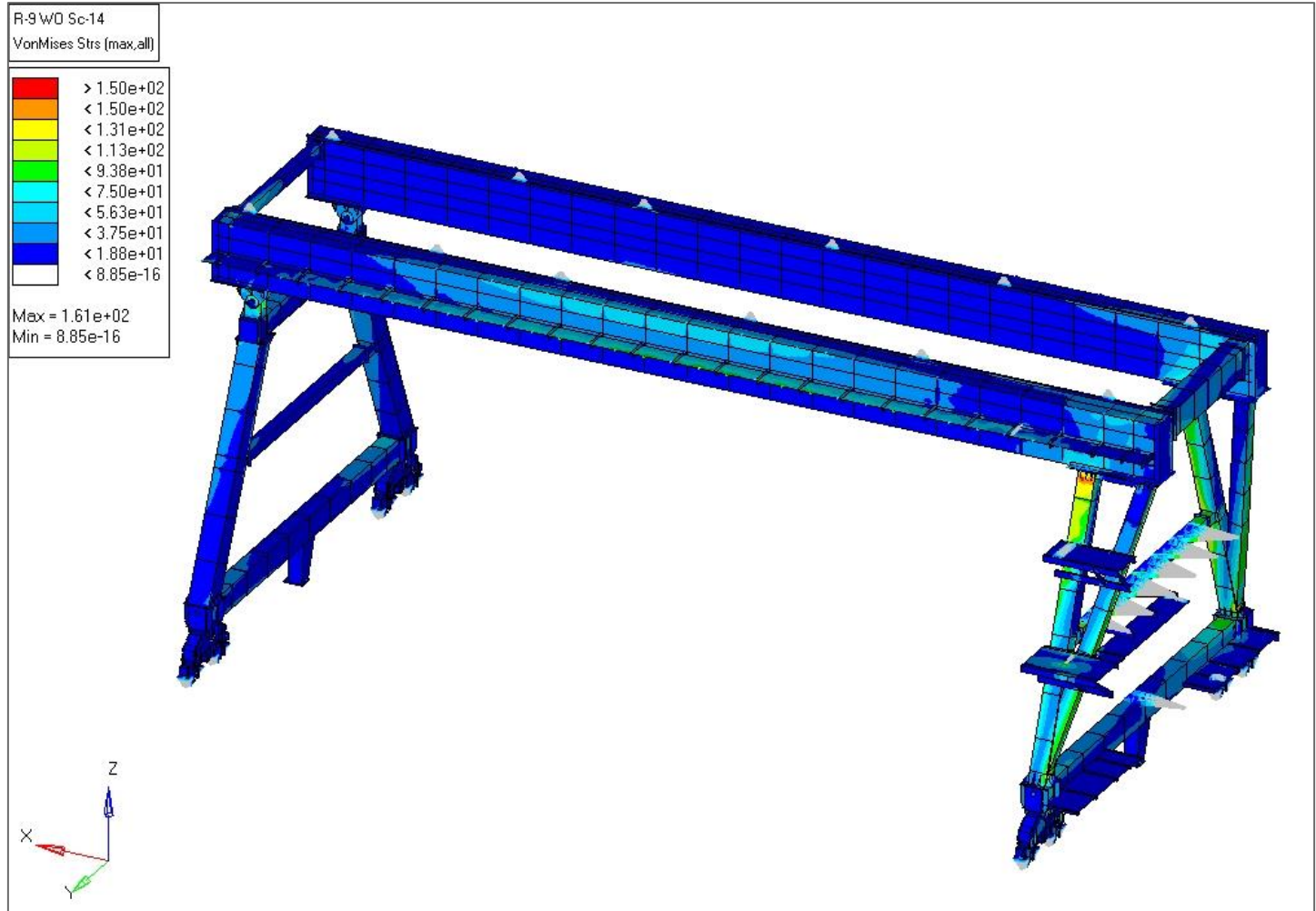
SCOPE :

- 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.

CAD & FEA SOFTWARE PROFICIENCY

