

# AHMED ASHOUR SALEH

## **STRUCTURAL BIM SPECIALIST**

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I'm Structural Engineer Qualified as BIM Specialist Professional in **3D modeling** up to LOD 400, **4D&5D Simulation** Experienced with **Clash Detection** Process and Workflow, **7D and Coobie Sheets**. Professional in Open BIM, MVD, IFC Classes and Entities, IFC Integration Specially (**Tekla & Revit**). Achieving the Full Integration Between Them using Visual Programming (**Dynamo**)&(**Grasshopper**). Have a good Knowledge about Different **BIM Standards**, Understanding and Creating of **BEB** and **EIR**.

## EDUCATION

### **CIVIL ENGINEERING MAY (2014\_2019)**

Zagazig University, faculty of engineering

Degree: Very Good

Graduation Project: Structural Analysis

Graduation Project Degree: Excellent

## EXPERIENCE

### **1/9/2021 TO (CURRENT)**

#### **BIM SPECIALIST, ZAMIL STEEL GETS**

Steel Structures (3D Modeling, Coordination, Shop Drawings, As Built Drawings, Laser Scanning).

Tekla & Revit Live Link Integration using (Dynamo, Grasshopper).

Open BIM and IFC Techniques to achieve unique Workflow Between Different BIM Tools.

### **1/4/2021 TO 1/9/2021**

#### **STRUCTURAL DESIGN ENGINEER, MOUSSA CONSULT GROUP**

Structural Design for MEGA Projects in Egypt (BADR & MUST) Universities

Shop Drawings Using ASD (MEDICAL PLAZA PROJECT)

Revit 3D Modeling and Concrete Shop Drawings

### **1/3/2021 TILL 1/12/2021**

#### **FREELANCER DESIGN ENGINEER, TRUST ENGINEERING CONSULTANCY LOCATED IN DOHA-QATAR**

Projects Setup, Preparing layouts and External References

Statical System and Framing Planes (Include Transfer Girders & transfer Slabs)

Fully Design of RC Elements Due to Vertical and Lateral Loads according to

(BS-8110-1997, UBC97, ACI 318-14)

### **BEST MEMBER UTW-BIM ROUND 11 INTERNSHIP, ECG (ENGINEERING CONSULTANT GROUP)**

- Project Kick-Off Meetings & Reviewing Project Drawings
- Make a Comprehensive Comparison between Different BIM Standards
- Preparing BIM Execution Plan and BIM Manual for the Project
- Revit Template Creation With all Necessary Families, Parameters, Dynamo Scripts, Naming Conventions, Filters, Browser Organization.
- CDE on BIM 360 DOCS.
- Creating 3D Model LOD 300 as Work Sharing Process (AR-ST-MEP).
- Exporting NWC Files & Preparing Clash Matrix & BOQ.
- Clash Detection Process Reaching Model LOD 350.
- Project 4D & 5D Process Using NAVISWORKS and Primavera.
- Preparing Shop Drawings Reaching Model LOD 400.
- 6D Energy Model Using Green Building Studio
- AS BUILT ,7D and CooBie Reaching LOD 500

### **BEST MEMBER UTW-STR ROUND 10 INTERNSHIP, ECG (ENGINEERING CONSULTANT GROUP)**

- Structural Design Workflow
- Structural Systems
- Code Comparison and Limitations
- Lateral Load Analysis
- CAD Standard and Presentation
- Final Project (KING FAISAL KSA University) Full Structural Design

## **SKILLS**

- REVIT, NAVISWORKS, DYNAMO
- Tekla, GRASSHOPPER
- CSI Package (Etabs, Safe, Sap)
- ASD, Brokon , Primavera
- Structural Design
- 3D Modeling, 4D & 5D Simulation
- Shop Drawings, Quantity Surveying
- As Built Point Cloud Laser Scanning

## **PERSONAL DATA & LANGUAGES**

- Date of birth (15 Aug,1996)
- Military state (Served)
- Arabic (Mother Tongue), English (V. GOOD), German (in progress)