

AMR EID

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BIM MODELER & SENIOR DRAFTSMAN

BIM Modeler and Senior Draftsman with over 10 years of experience specializing in converting engineering concepts into accurate 2D/3D models and coordinated technical drawings. Proven expertise in diverse projects, including MEP systems, swimming pools, fountains, and shipbuilding. Proficient in a comprehensive suite of professional software, including Revit, AutoCAD, Navisworks, Dynamo, SolidWorks, CATIA V5, and Sigma NEST, with a demonstrated ability to support project coordination and meet key objectives efficiently.

AREA OF EXPERTISE

3D Modeling & Visualization BIM
Coordination & Collaboration Clash
Detection & Conflict Resolution

2D Drawings & Schematics
Shop Drawings & Fabrication
As-Built Drawings

MEP Systems Swimming
Pools & Fountains
Shipbuilding & Marine Projects

CORECOMPETENCIES

Communication
Creativity
Collaboration & Teamwork

Attention to Detail
Time Management
Flexibility & Adaptability

Problem-Solving
Continuous Learning
Integrity

PROFESSIONAL EXPERIENCE

Abdullah Bin Taleb for Swimming Pool Company

DEC 2023 – PRESENT

BIM MODELER & SENIOR DRAFTSMAN

Responsible for creating 3D BIM models and 2D construction drawings for swimming pools, Jacuzzis, saunas, steam rooms, and fountain projects, while coordinating MEP and architectural teams to ensure clash-free, standards-compliant execution.

Accomplishments:

- BIM Modeler specializing in MEP design and installation for swimming pools and fountains (concrete, fiberglass, liner), achieving 100% compliance with international hydraulic and electrical codes.
- Developed coordinated BIM models and AutoCAD/Revit shop drawings for pipelines, plant rooms, structural layouts, and control panels, reducing design errors by 25% and accelerating project approvals by 30%. Managed full project lifecycle, including equipment selection, fabrication of fiberglass molds, installation, and site delivery, improving on-time delivery by 20%.
- Applied expertise in composite materials, resin applications, and surface treatments, enhancing durability, waterproofing, and finishing quality by 15%.
- Collaborated effectively with architects, engineers, and contractors, ensuring smooth communication and achieving 95% successful project completion.
- Ensure accuracy and compliance of all drawings and designs with local building codes and international Standards, reducing errors and rework by 20% while maintaining high-quality project delivery.

Timsah Shipbuilding Co. (Suez Canal Authority Subsidiary)

Nov 2016 – DEC 2023

Naval Draftsman

Responsible for preparing accurate 2D and 3D ship and marine component drawings, including structural steel, piping, and mechanical systems, while coordinating with engineering and fabrication teams to ensure designs meet project specifications and industry standards.

Accomplishments:

- Created 3D ship construction models using CATIA V5 and detailed 2D steel sheet metal drawings with Sigma NEST and AutoCAD, improving design accuracy by 25%.

- Produced precise shop drawings, spool drawings, and As-Built documentation, ensuring 100% compliance with project standards and client approvals.
- Applied reverse engineering techniques on mechanical components to generate accurate BIM-compatible models, reducing rework and design errors by 20%.
- Interpreted structural steel units and ship components to support design, fabrication, and installation, improving assembly efficiency by 15%.
- Maintained project documentation, including DXF parts, material records, and progress reports, highlighting potential issues and corrective actions, ensuring on-time project delivery.
- Conducted site surveys for layout and dimension verification while adhering to safety protocols, reducing on-Site discrepancies by 30%.

Engineering Consultant Office Eng. Ashraf Hama

JULY 2013 - JULY 2016

Trainee Draftsman

Assisted in preparing 2D drawings and 3D models for mechanical and architectural projects, supporting senior draftsmen and ensuring accuracy in designs and documentation.

Accomplishments:

- Generated accurate 2D and 3D AutoCAD drawings from client requirements, sketches, and on-site measurements, improving design precision by 25%.
- Edited project files to correct errors and ensure full compliance with industry standards, reducing rework by 20%.
- Produced construction-ready drawings tailored for site execution, accelerating project implementation by 15%.
- Reviewed and validated sketches and drawings, maintaining high quality and accuracy, achieving 100% client satisfaction.

EDUCATION

Diploma of Shipbuilding

SEP 2012 - JUNE 2014

Port Said College of Technology, Technical Institutes in Maritime

- Major in Navigation Technology and Electrical control.
- Final Grade: Distinction

SOFTWARE SKILLS

AutoCAD 2D & 3D

BIM 360

Fast Cam Software

Revit (MEP)

SolidWorks 3D

Adobe Photoshop

Navisworks

Catia V5 3D

MS Office

Dynamo

Sigma NEST CAD/CAM

ACHIEVEMENTS

- **The Red Sea Global (KSA)** Contributed to the design and development of major projects, including Shura Island - Hotel East 01, Amala-Six Senses, Golf Club House, and Laheq Island Community.
- **Riyadh-Based Projects** Provided BIM and drafting expertise for large-scale developments such as the KAFD Fountain, Hilton Dammam, and Samhan Hotel.
- **Managed Complex Aquatic Projects** Directed the full BIM lifecycle for swimming pools, Jacuzzis, and fountains, delivering detailed 3D models and precise MEP plans to ensure seamless system integration.
Reduced Design Rework and Costs Applied advanced clash detection and coordination in Revit and Navisworks, achieving a 25% reduction in design rework and avoiding costly construction delays.
- **Marine & Offshore Projects** Optimized tugboat and vessel designs, including 3D spool drawings for a 70-ton tugboat (20% less technician effort), improved machinery layouts on the MPSV Amman (20% more deck space), and overhauled pipeline systems on the MPSV Badr (50% lower collision risk, 30% higher Maintenance efficiency, and 100% docking cost savings)

ADDITIONAL INFORMATION

- **Languages:** Arabic (Native), English (Intermediate)
- **Certifications:** Available upon request.
- **Reference:** Available upon request.