

MAHMOUD ASSAF

Senior Mechanical Design Engineer

054 717 2419 | massaf775@gmail.com | UAE, Dubai



<https://www.linkedin.com/in/mahmoud-assaf-631614296>

WORK EXPERIENCE

Senior Mechanical Design Engineer with strong expertise in steel fabrication, production oversight, and project management. Skilled in leading conveyor and material handling system projects from design to commissioning, with proven experience in factory operations, resource planning, and cost control. Adept at coordinating across engineering, procurement, and site teams to deliver complex logistics and industrial projects on time, within scope, and budget. Passionate about lean manufacturing, quality assurance, and continuous improvement to maximize efficiency and client satisfaction.

Design & Fabrication Manager | HAZ OPERATIONS TRADING LLC | Dubai | Jan 2023 - Present

- Directed the production and fabrication department for multiple steel-based conveyor and material handling projects.
- Oversaw daily production schedules, ensuring alignment with client deadlines, quality requirements, and delivery commitments.
- Managed a multidisciplinary team of engineers and technicians, optimizing resource allocation and factory operations.
- Coordinated with procurement and supply chain teams to ensure timely availability of raw materials and fabricated components.
- Collaborated with project managers and site teams to resolve on-site challenges and ensure smooth installation and commissioning.
- Introduced lean manufacturing practices, improving throughput and reducing bottlenecks in fabrication workflows.
- Implemented quality assurance checks and root cause analysis processes, driving continuous improvement in production standards.

Mechanical Design Engineer | NEW TECH FACTORY EQUIPMENT TRADING LLC | Ajman | Jan 2021 - Dec 2023

- Specialized in designing conveyor systems and steel structures tailored to e-commerce and logistics warehouses.
- Provided technical support for production, ensuring manufacturability and cost optimization in designs.
- Developed Bills of Material (BOMs), fabrication drawings, and assembly documentation to streamline factory and site operations.
- Conducted risk assessments and project reviews, ensuring compliance with client requirements and safety standards.
- Liaised with clients, contractors, and suppliers, ensuring projects met performance and delivery expectations.

Mechanical Engineer | GÜNSEL Electric Vehicles | Cyprus | Jan 2019 - Dec 2021

- Supported prototype development and mechanical fabrication processes.
- Applied stress analysis, material selection, and quality control methods to ensure production reliability.
- Collaborated across departments to meet R&D and production targets.
- Applied principles of engineering mechanics such as statics, dynamics, thermodynamics, fluid mechanics, and heat transfer to develop mechanical designs.

Mechanical designer | Freelance | Jordan Cyprus | Jan 2016 - Dec 2019

- Designed and developed simple 3D models using CAD software for various mechanical and structural applications.
- Trained and programmed Arduino-based projects, integrating sensors, motors, and microcontrollers for automation and control applications.
- Created detailed fabrication drawings for tables, doors, and gates, customized for client requirements across multiple projects.

EDUCATION

- Bachelor of Science (B.S.) in Mechatronics Engineering, Near East University, Cyprus | 2021
- Person BTEC Level 5 HND Diploma in Electromechanical Engineering, Luminus Technical University College, Jordan | 2017

SKILLS

- Production & Operations:** Steel Fabrication, Lean Manufacturing, Resource Planning, Cost Control, QA/QC, Root Cause Analysis.
- Project Management:** Scheduling, Client Coordination, Risk Assessment, Budgeting, Cross-Functional Team Leadership.
- Design & Engineering:** SolidWorks, AutoCAD, ANSYS, Conveyor Design, Sheet Metal Fabrication, Structural Analysis, FEA Tools, Structural Design, Product Development, Material Handling Systems, Logistics solutions, Critical thinking, Problems solving.
- Coordination & Back-office:** BOMs, Procurement Support, Supply Chain Liaison, Reporting & Documentation.

LANGUAGES

- Arabic (Superior/Native)
- English (Advanced High)

PERSONAL DETAILS

Nationality	Date of birth	Visa status	marital status	Driving license
Syrian	17 May 1991	Active	Married	UAE Driving License