

AUNG JULY

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London, ON, Canada

Detail-oriented **Mechanical Design Engineer** with **15+ years of hands-on experience** in land and marine engineering projects. Strong background in **mechanical design, 3D modeling, assembly detailing, and fabrication-ready drawings**, supporting projects from concept through production and installation. Holds a **Diploma in Mechanical Technology and a Postgraduate Diploma in Digital Communication Management**, combining solid engineering fundamentals with clear technical communication.

Highly proficient in **SolidWorks, AutoCAD, Inventor, and Adobe Creative Suite**, with proven ability to produce accurate technical drawings, detailed BOMs, realistic 3D renderings, and comprehensive product documentation. Experienced in **FEA, GD&T, SolidWorks PDM, and ISO 9001 environments**, with a consistent focus on design accuracy, manufacturability, and efficiency. Known for strong problem-solving skills, adaptability, and the ability to manage multiple design tasks while meeting tight deadlines and quality standards.

SKILLS

TECHNICAL SKILLS

- SolidWorks, AutoCAD, Inventor
- 3D Modeling, Assembly Design, Technical Drawings
- BOM Management, Quantity Take-Offs
- SolidWorks PDM
- FEA, GD&T
- ISO 9001 Documentation & Audits

DESIGN & VISUALIZATION

- Product Rendering & Visualization
- Adobe Creative Suite (Photoshop, Illustrator, InDesign)
- Technical Presentations, Manuals & Catalogs

PROJECT & COMMUNICATION

- Cross-functional Collaboration
- ERP systems: Microsoft Dynamic 365
- Technical Documentation & Manuals
- Mentoring Junior Designers
- Client & Stakeholder Communication

PROFESSIONAL EXPERIENCE

Associate Designer (Remote)

Lintec & Linnhoff, Singapore

January 2025 – Present

- Develop 3D models, assemblies, and detailed technical drawings for asphalt and concrete batching plant projects using SolidWorks.
- Produce high-quality, realistic 3D renderings to support catalogs, proposals, and marketing materials.
- Create and maintain Bills of Materials (BOMs) and assign inventory part numbers to support procurement and production planning.
- Prepare technical presentations, visual documentation, and design support materials for internal teams and client-facing use.

Mechanical Design Engineer/ Assistant Design Manager

Lintec & Linnhoff, Singapore

April 2012 – December 2024

- Delivered hands-on mechanical design for asphalt and concrete batching plants, from concept development to fabrication and installation support.
- Created 3D models, large-scale assemblies, and fabrication-ready drawings using SolidWorks, AutoCAD, and Inventor.

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- Performed design reviews and feasibility checks to ensure manufacturability, structural integrity, and compliance with project requirements.
- Managed BOMs, quantity take-offs, and part numbering, supporting accurate costing, procurement, and inventory control.
- Utilized SolidWorks PDM for version control, data management, and structured design workflows.
- Prepared operation manuals, product catalogues, parts lists, and technical documentation for clients and internal stakeholders.
- Conducted site visits to fabrication workshops and project sites for measurements, quality inspections, and design validation.
- Worked closely with engineering, production, and marketing teams to align design outputs with project and client requirements.
- Utilized Microsoft Dynamics 365 (ERP) to manage BOM data, inventory part numbers, and procurement-related information, supporting production and purchasing workflows.
- Supported ISO 9001 documentation and audits, ensuring design processes met quality standards.

Accommodation Designer

Jack Tat Engineering Pte. Ltd., Singapore

September 2007 – March 2012

- Designed and drafted wall panels, ceilings, insulation systems, flooring, and accommodation layouts for marine and offshore vessels.
- Produced detailed CAD drawings and layout plans aligned with marine standards, fabrication requirements, and space constraints.
- Developed 3D models and schematic drawings to support design reviews, client presentations, and marketing materials.
- Conducted site visits to fabrication workshops and shipyards for measurements, quality inspections, and design verification.
- Collaborated with clients, vessel owners, and internal teams to clarify design requirements and engineering solutions.
- Prepared design documentation and visual assets to support project planning and execution.

Draftsperson

Golden Decoration Co., Ltd., Yangon, Myanmar

October 2005 – February 2007

- Prepared working and detailed drawings for steel, iron, and glass structural and decorative projects.
- Created accurate CAD drawings and material take-offs based on project specifications and site requirements.
- Supported cost estimation and quotations by translating design drawings into material and scope summaries.
- Reviewed design revisions and project feedback to ensure alignment with construction and installation requirements.
- Coordinated with site teams to clarify drawings, resolve design issues, and support project execution.

EDUCATION

Fanshawe College — Postgraduate Diploma, Digital Communication Management

2024 – 2025

Singapore Polytechnic — Diploma in Engineering (Mechanical Technology)

2012 – 2015

University of Yangon — Bachelor of Arts (B.A.), English Language and Literature

2004 – 2007