

AUNG JULY

(226) 977.8426 | aungjuly@gmail.com | www.linkedin.com/in/aungjuly | https://aungjulyinnovation.com/

London, ON, Canada

MECHANICAL DESIGN ENGINEER

Detail-oriented Mechanical Design Engineer with a Postgraduate Degree in **Digital Communication Management** from Fanshawe College, Canada and a **Diploma in Mechanical Technology** from Singapore Polytechnic. Over 15 years of experience in land and marine engineering projects, with expertise spanning conceptual design, 3D modeling, and fabrication. Proficient in SolidWorks, AutoCAD, Inventor, Adobe Creative Suite, and other CAD software, with a strong foundation in engineering principles and a proven ability to deliver innovative, cost-effective solutions under tight deadlines.

Recognized for strong problem-solving skills, technical precision, and a collaborative mindset in fast-paced, multidisciplinary environments. Adept at managing multiple projects simultaneously, maintaining high standards of quality and efficiency. Brings initiative, adaptability, and clear communication to every phase of the design process, contributing to successful project outcomes and continuous improvement in engineering operations.

SKILLS

- **Design Engineering:** Extensive experience in mechanical design for land and marine projects, with a strong foundation in engineering principles and practical applications.
- **CAD & Visualization Tools:** Proficient in SolidWorks, AutoCAD, Inventor, Adobe Creative Suite, and other CAD software for 3D modeling, technical drawings, realistic rendering and visual presentations.
- **FEA & GD&T:** Skilled in Finite Element Analysis (FEA) for evaluating structural integrity and performance and applying Geometric Dimensioning and Tolerancing (GD&T) standards for precision manufacturing.
- **Bill of Materials (BOM):** Experienced in generating and managing detailed BOMs to support efficient procurement, production planning, and inventory control.
- **Product Documentation:** Proficient in preparing comprehensive product manuals, technical guides, and user documentation to support manufacturing, client use, and compliance.
- **Project Management:** Experienced in managing multiple design projects simultaneously, meeting tight deadlines while ensuring quality and cost-efficiency. Experienced in internal auditing for ISO 9001 Quality Managements System.
- **Technical Communication:** Strong ability to convey complex technical concepts clearly through documentation, presentations, and cross-functional collaboration.
- **Languages:** Fluent in English; experienced in cross-cultural communication within diverse teams and international project environments.

PROFESSIONAL EXPERIENCE

Associate Designer (Remote Position)

Lintec & Linnhoff, Singapore

January 2025 – Present

- Designed 3D models, assemblies, and technical drawings for asphalt and concrete batching plant projects.
- Produced high-quality, realistic 3D renderings for product catalogs and marketing materials using SolidWorks and other CAD tools.
- Generated bill of materials (BOM) and assigned inventory part numbers to support procurement and production workflows.
- Prepared technical presentations and visual documentation for internal teams and client communications.

Assistant Design Manager

Lintec & Linnhoff, Singapore

April 2012 – December 2024

- Lead a multidisciplinary design team to implement lean and sustainable practices in asphalt plant development.
- Conduct research and drive innovation for continuous process improvements and product optimization.
- Review technical drawings and perform feasibility analyses to ensure design accuracy and manufacturability.

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- Develop design concepts based on market requirements and client specifications.
- Provide mentorship and guidance to junior designers and peers, fostering skill development and collaborative problem-solving.
- Oversee 3D modeling, assembly design, and realistic rendering of asphalt and concrete batching plants using SolidWorks, AutoCAD, Inventor, Adobe Creative Suite, and other CAD tools.
- Utilize SolidWorks PDM for efficient data management, version control, and collaborative design workflows.
- Manage BOM creation, quantity take-offs, and inventory part number generation to support costing and procurement.
- Prepare operation manuals, product catalogues, technical presentations, and parts lists for clients and internal teams.
- Conduct site visits for quality inspections, measurements, and design validation during fabrication and installation phases.
- Collaborate closely with cross-functional teams including engineering, production, and marketing to align design outputs with project goals.
- Participate in ISO 9001 audits, ensuring design documentation and processes meet quality standards and contribute to continuous improvement initiatives.
- Coordinate project schedules and documentation to support timely execution and effective communication across departments.

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.
- Collaborated with clients and vessel owners to negotiate design specifications and engineering solutions.
- Assisted in project scheduling and documentation under the supervision of the project manager.
- Conducted site visits to fabrication workshops and shipyards for quality inspections and precise measurements.
- Created 3D models and schematic drawings for marketing materials and presentation purposes.
- Supported project teams by preparing planning documents and visual assets to ensure alignment with project timelines and deliverables.

Draftsperson

Golden Decoration Co., Ltd., Yangon, Myanmar

October 2005 – February 2007

- Drafted and prepared working and detailed drawings for steel, iron, and glass structural decoration projects.
- Created accurate quotations for clients and customers based on project specifications and material requirements.
- Reviewed and verified project feedback reports to ensure alignment with design and execution standards.
- Coordinated daily service calls and resolved project-related issues through effective scheduling and communication with site teams.

EDUCATION

Fanshawe College — Postgraduate Degree, Digital Communication Management

January 2025 – August 2025

Singapore Polytechnic — Diploma in Engineering (Mechanical Technology)

2012 – 2015

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

2004 – 2007