

AHMAD MUAZ MOHD KHAIRI

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EXPERIENCE

JULY '21 – JAN '22

BUSINESS DEVELOPMENT CONSULTANT, E&E GAS SDN. BHD.



- Produced minutes of meeting for business development related discussion.
- Produced presentation to Board members on business development related matters.
- Produced multiple LNG related businesses proposals for the potential clients.
- Analyzed potential savings for the prospected customers in converting their current fuels (i.e. LPG, Diesel, etc.) into LNG
- Adhered to the top management's directives for continuous improvement of project performance.

DEC '18 – JUNE '21

PROJECT ENGINEER, E&E GAS SDN. BHD.



- Managed and coordinate Project Management Team (PMT) as owner/client side throughout project & resolve PMT progress issues.
- Managed and coordinate contractors for Pre-FEED, FEED, Soil Investigation, Land Survey and Environmental Impact Assessment throughout project & resolve contractors progress issues.
- Enforced & ensured the progress of the project according to the planned schedule milestones.
- Liaised with major oil and gas companies such as Gas Malaysia, JAPEx, BHP and NGC in having a potential collaboration in providing LNG infrastructure for end customers in Malaysia
- Liaised with major LNG equipment providers such as CIMC, Chart in having a potential collaboration in supplying LNG equipment to potential end customers in Malaysia.
- Optimized project cost estimates by 17% through various negotiation with vendors from overseas (China, South Korea).
- Conducted overall quality control of the work (budget, schedule, plans, personnel's performance) & reported regularly on project progress.
- Optimized project schedule by 12 months with executing simultaneous activities and started some activities earlier.
- Produced minutes of meeting for engineering related discussion.
- Produced presentation to Board members on engineering related matters.
- Adhered to the top management's directives for continuous improvement of project performance.
- Evaluated engineering deliverables & initiated appropriate corrective actions.
- Conducted additional duties and responsibilities as assigned.

JAN '15 – APR '18

SHOP-OWNER, ZABIHA GROCERIES

- Supplied zabiha meats and over 15 groceries items to more than 100 students in Ames, Iowa.
- Issued competitive pricing with 30% reduction price from the similar local grocery store.
- Acquired groceries item in bulk and repacked according to customers' order.
- Delivered groceries item to customers' premises.
- Utilized Google Workspace (Google Form, Google Sheets, Google Script) to ensure smooth operation.

AUG '14 – OCT '14

TEACHING ASSISTANT, IOWA STATE UNIVERSITY



- Administered and guided undergraduate and graduate students in EE 432/532's (Semiconductor Fabrication) lab.
- Went through unmanaged fabrication processes for students that took hours long outside lab hours.
- Graded weekly lab reports.

JUNE '14 – JULY '14

M&E ENGINEER INTERN, UEM CONSTRUCTION SDN. BHD.



- Administered labor workers in working on the mechanical and electrical side of the infrastructure.
- Ensured workers installed the mechanical and electrical equipment according to the SOP.
- Granted approval for M&E related work before the workers commenced work.

PROJECTS

DEC '18 – DEC '19

LUMUT LNG TERMINAL

Developing the first LNG terminal without any regassification on site. Involved as project engineer in the predevelopment activities including Soil Investigation, Land Survey, Environmental Impact Assessment, Pre-FEED and FEED. Liaised with the contractors and potential equipment supplier from local and overseas (including China, South Korea, etc.)

MAR '16 – APR'16

OPTIMIZATION OF TRANSMISSION NETWORK LINE

Analyzed addition of transmission network lines whether it needs to be added now or in the future to optimize its power and costs.

JAN '14 – DEC'14

ANDROID BRIDGE FOR OFF-HIGHWAY EQUIPMENT

Worked with Vermeer Corporation in designing an android-based system for monitoring and controlling Vermeer's off-highway equipment through CAN bus system. Project was done in a group together with Software Engineer and Computer Engineer. Was responsible in designing the hardware components for the project.

JAN '14 – MAY '14

SEMICONDUCTOR FABRICATION

Fabricated wafers with semiconductor components. Went through the process of oxidation, etching, PWell, PMOS, NMOS and GATE lithography, deposition, and drive. Also went through process of metallization and device testing. The produced semiconductor wafer consists of NAND, NOR gate, TLM, BJT and capacitors.

NOV '13 – DEC'13

TOUCH-PLATE CONTROLLED LIGHT DIMMER WITH VACATION OPTION

Designed an integrated circuit using Verilog for an automatic light dimmer for a house when the house is empty and synthesized it and produced it into a layout design.

EDUCATION

DECEMBER 2016

MASTER OF ENGINEERING, IOWA STATE UNIVERSITY, AMES, USA

Electrical Engineering with focus in Control and System.

DECEMBER 2014

BACHELOR OF SCIENCE, IOWA STATE UNIVERSITY, AMES, USA

Electrical Engineering with focus in VLSI. Built an Android Bridge for Off-Highway Equipment in the final year project.

SKILLS

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|----------------------|--------------|--------------------|-----------------------------|
| • Cadence Virtuoso | • C Language | • MATLAB | • Semiconductor Fabrication |
| • Project Management | • HTML | • Google Workspace | • Microsoft Office |

ACTIVITIES

- Head of North Region for Malaysian Islamic Study Group (MISG), 2014
- Head of Food Committee for Temasya Jaguh Malaya (TJM), 2014
- Head of Welfare Committee for Malay Heritage Club (MAHEC), 2014
- Head of Technical Committee for Muktamar IMSA-MISG, 2015
- Food Committee for TJM 2012 and 2016