

# MOHAMMED EZZUDDIN B.MUHAMMAD



Mechanical Engineer with **7 years of working experience in EPCC** projects for mechanical instrumentation & control equipment and structural steel work,  
**6 years of working experience in R&D** for new product development & testing  
in pursue of a better career growth in a knowledge enhanced environment

## PERSONAL PARTICULARS

AGE	36	DATE OF BIRTH	20 July 1980
MARITAL STATUS	Married	GENDER	Male
CONTACT NO. :	019-9397071	EMAIL ADDRESS	<a href="mailto:ezzuddin.muhammad@gmail.com">ezzuddin.muhammad@gmail.com</a>
CURRENT ADDRESS	C-5-01, Kondominium Pelangi, Jln. Sg.Merab, Kg.Sg Merab, 43000 Kajang,	PERMANENT ADDRESS	316, Tmn. Sri Jaya, Jln. Gong Badak, 21300 Kuala Terengganu

## CAREER OBJECTIVE

To nurture my leadership skills & further enhance my technical knowledge to become an established engineer who is capable of managing & making accurate & effective decision.

## EXPERIENCE

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|--------------------|--|------------------------|
| Feb 2014 – Current | <b>Daewoo Engineering &amp; Construction</b> | Kuala Lumpur, Selangor |
|--------------------|--|------------------------|
- Project Engineer – Steel Structure (Construction Department)***
- Involves in the fabrication & erection of 5,500 tonn of steel structures worth RM 555.9M for the Matrade Exhibition & Convention Center, Jalan Duta.
- Main challenges are 6 large 72m span, 200T each roof truss assembly which require special method using temporary jacking tower & strand jack to lift up 30m height & slide horizontally around 5m to final position on top of RC Column.
- Job scope includes :
- Planning of steel structure fabrication & erection works in coordination with other departments work program & clients requirements
  - Preparation & review of projects documents, materials approval, method statements & drawing
  - Monitor site progress, highlight & resolve any issues to management which may affect work schedule
  - To attend Site Progress Meeting & Site Technical Meeting with clients & consultants to resolve any site related issues
  - Attend to site inspection & resolve any Site Memo or NCR issue raised by Consultants or Clients
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|---------------------|---|---------------------|
| Sep 2011 – Feb 2014 | <b>Kuala Lumpur Valve &amp; Fitting (M) Sdn Bhd</b> | Shah Alam, Selangor |
|---------------------|---|---------------------|
- Assistant Project Engineer (Custom Solution Department)***
- The company is the sole distributor for Swagelok tube fitting in Malaysia. Custom Solution Department is responsible for engineering work, construction & commissioning of instrumentation equipment as per client tender requirements. We have completed various equipment for the oil & gas industry & research lab.
- Job scope includes :
- Assist the Project Manager in managing the project
  - Project planning & monitoring to complete as per clients' requirements
  - Prepare & Review P&ID, fabrication drawing, datasheets, BOM, calculations, procedures & other project documentations required for client approval
  - Monitor fabrication quality & progress by in-house technicians & sub-contractor
  - Prepare procedures & conduct Factory/Site Acceptance Test (FAT)/(SAT) & clear punchlist
  - Site survey & technical assistance as required by clients

Highlight of Completed Projects :

- Pneumatic Valve Control Assembly Panel for MLNG Gas Terminal, Bintulu
- Corrosion Inhibitor Injection Skid & Storage Tanks for F14DR-A Topside, for Sarawak Shell Berhad
- Methanol Injection Skid, Storage Tank & Tank Blanketing System for Laila LADR-A Topside, for Sarawak Shell Berhad
- Corrosion Inhibitor & Methanol Injection Skid for F23R-A Topside for Sarawak Shell Berhad
- Fusible Plug Loop Panel for Petronas Bekok-B Platform
- Wellhead Control Panel (WHCP) for Brooke Dockyard-Murphy South Axis Platform
- Commissioning of Pig Launcher & Receiver Pneumatic Control Panel for Baram Field, BAP-A & BAP-B
- Site survey & technical assistance for Transit Line Control Panel for Tukau Field, TKP-B
- Membrane Saturation Panel for Petronas Research Sdn Bhd

Jan 09 – Aug 2011      **MTTJ Engineering Sdn Bhd**      Pasir Gudang, Johor

***Fabrication Engineer*** (Production Department)

Involved in the fabrication of steel structure for plants, building & architectural structures in a steel fabrication workshop located in Pasir Gudang. The company is a subsidiary of TTJ Holdings an S1 category fabricator in Singapore. Most of the projects are for Singapore.

Job scope includes :

- Manage the fabrication of steel structures to ensure project completion according to client requirements.
- Review drawing issued from designer & feedback any fabrication issues to ensure smooth production. & erection work
- Coordinate with material planner & purchasing for raw material ordering & arrival in time with the fabrication schedule & necessity.
- Update management & clients on project progress, problems & progress claims.
- To monitor & co-ordinate with sub-contractor to ensure fabrication is according to client's delivery requirement & quality standards.

Highlights of Completed Projects :

- Atrium Roof & Wall Structure for Marina Bay Sands Hotel & Casino (300T)
- Supertrees at Lion Groove & Lake Cluster, Gardens By the Bay, Singapore – Unique Architectural landmark 6nos 25m width & 2nos 42m width ranging 25m to 50m heights
- Pipe rack & Jetty pipe rack at Singapore LNG Terminal at Jurong Island – a fast track project of 80T/wk to ensure high fabrication output to supply for site erection

Oct'07-Dec'08      **UMW Toyota Motor Sdn.Bhd**      Shah Alam, Selangor

***Accessories Development Engineer*** (Project Planning & Management Department)

Assign to Production, Logistic & Distribution Division (PLDD) in UMW Toyota HQ in Shah Alam. Involve in the new accessories development for new vehicle launch.

Job scope includes:

- Prepare product design to match with new vehicle design from Toyota Motor Asia Pacific (TMAP)
- Prepare Product Development Plan to ensure accessories parts are ready in time for the new vehicle launch
- Vendor factory & Product evaluation & testing to ensure the parts & process are according to the Toyota Standards to be certified as Genuine Toyota Accessories
- Provide installation training & Assembly Instruction Manual for Service Center technicians & Production staff.
- Kaizen / Continuous improvement of parts or process to improve overall quality & output

Projects completed :

- Fortuner TRD Aerokit
- Hilux New Sportsbar
- Innova/Fortuner Luggage Tray
- Vios Remote Trunk Motor Release System
- Yaris Reverse Sensor Fit-Up & Performance
- Fortuner/Innova/Hilux Wing Mirror with turn Signal

Aug'07 - Sept'07 **Malaysia Marine & Heavy Engineering** Pasir Gudang, Johor  
*Technical Exec (Hull Construction: Marine Conversion)*

- Design & analysis for conversion of FPSO Ruby Princess together with team members.
- Analysis for structure lifting arrangement.
- Finite Element Analysis for critical structure for stress & load using Nastran – Helideck Analysis & Lifting.

Apr'03-Jul'07 **Panasonic AVC Networks Johor Malaysia** Pasir Gudang, Johor  
*Mechanical Development Engineer, R&D Department, Asia Pacific Design Center (APDC)*

The R&D Center is responsible for the design & development of Home audio products such as Micro-HiFi, Home Theater System, Portable Audio and DVD player.

- In charge of new product development
- Detail planning of critical milestone & activity to ensure no delay in product launching
  - Drawing Approval, Tooling Approval, Test Plan, Parts Approval & others
- Prepare Bill of Material (BOMs) & manage technical changes to the list to ensure accuracy of parts ordering by purchasing & assembly by production
- Parts & Product reliability & quality evaluation
  - Drop Test, Thermal Test, Vibration, Cycle test & others
- Prepare assembly instruction manual & provide training for Production Department to ensure efficient cycle time
- To filter design problem starting from mock-up/proto-type stage before advance to next stage until mass production
- To countermeasure any problem regarding the product together with designer.
- Value engineering study for cost reduction & productivity improvement
- To study any problem from production on
- Present to top management on the R&D KPI performance for the new model
  - Tooling modification cost, Production lost time & other KPI
  - Highlight of achievement & major problem if any

#### EDUCATION & PROFESIONAL MEMBERSHIP

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- Registered BEM Graduate Engineer ( Mechanical )
- 1998–2002 University Technology Malaysia Johor Bahru, Johor
  - Bachelor of Engineering (Mechanical) 2<sup>nd</sup> Class Honors (Lower Division)
- 1996–1997 MRSM Pengkalan Chepa Kota Bharu, Kelantan
  - SPM 12 Aggregate (Science Stream 4A1, 4A2 & 1C3)
- 1993–1995 MRSM Pasir Tumboh Kota Bharu, Kelantan
  - PMR 8A

#### COMPUTER SKILL

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CAD Software :	Unigraphic, Solidworks, AutoCAD, Catia V5, &
Office & Planner	Microsoft PowerPoint, Excel, Words, Microsoft Project

## KNOWLEDGE /SKILLS / TRAINING

<ul style="list-style-type: none"> <li>■ <b>Plastic Injection Molding</b> process &amp; defects</li> <li>■ Metal Stamping &amp; forming</li> <li>■ Excellent skill in using <b>measurement tools</b> such as : CMM, Caliper, High Gauge, Pin Gauge, Feeler gauge, Radius Gauge &amp; others</li> <li>■ Excellent understanding of <b>tooling design</b> &amp; requirements</li> <li>■ <b>Secondary processes</b> : Spray, Plating, Vacuum Metalizing, Silkscreen &amp; Printing</li> <li>■ Excellent understanding &amp; visualization of technical <b>drawing, P&amp;ID</b> &amp; schematics</li> <li>■ Attended Basic Offshore Safety Induction &amp; Emergency Training and Travel Safely by Boat (<b>BOSIET</b> + TSBB)</li> </ul>	<ul style="list-style-type: none"> <li>■ Attended Basic Hydrogen Sulfide (<b>H<sub>2</sub>S</b>) Safety Training</li> <li>■ Familiar with <b>welding</b> preparation, inspection &amp; testing</li> <li>■ Familiar with <b>International Code &amp; Standards</b>: <ul style="list-style-type: none"> <li>○ AWS D.1.1/1.1M</li> <li>○ API Standard 650 ( for storage tank)</li> <li>○ ASME B16.5 (for flanges) &amp; B16.9 (for fittings)</li> <li>○ ASME Section II Part A &amp; C (Materials)</li> <li>○ ASME Section V (for NDT)</li> <li>○ ASME Section IX (for welding)</li> </ul> </li> </ul>
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## OTHERS

LANGUAGE	Able to speak & write proficiently in English & Bahasa Malaysia	WILLING TO TRAVEL	Yes
PREFERED WORK STYLE	Able to work under minimum supervision & work co-operatively with other team members	AVAILABILITY	2 weeks' notice
PERSONALITY	Dedicated & detail person in solving or facing a problem. Passion for knowledge & self-development.		

## REFEREE

Ishak Ismail @ Roy  
Senior Project Engineer,  
MTTJ Engineering Sdn Bhd,  
PLO 522, Jalan Keluli 7,  
81700 Pasir Gudang ,  
Office : +607-252 0057

Zamri Nordin,  
Asst. Manager,  
Custom Solution Departments,  
Kuala Lumpur Valve & Fittings (M) Sdn Bhd,  
USJ16, Shah Alam,  
H/P : 012-309 2347  
Office : +603-8026 7388