

# Mohamad Faeze Bin Sulaiman

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## Career Ambition

**TO BE** a top class technical expert in a multinational corporation. **TO WORK** smart to have a progressing career towards the development of the company and also myself. **TO BE** an active problem solver, participate in technical planning, and to have a balance life between career, communal, and personal activities.

## Key skills and competencies

Language: Fluent in English, Japanese, Malay

Driving license: Yes

Computer literacy:

- AutoCAD (2D), AutoDesk INVENTOR(3D)
- Femap NX Nastran V11.0(FEA software)
- SAP, Oracle (Database management systems)
- Microsoft Office

## Academic Qualifications

**Saitama University, Japan** (2005-2009)

BSc Mechanical Engineering CGPA 3.7

Thesis: Vibration Characteristics of Air Bearing

## Certificates

Shipyard Safety Instruction Course for Workers  
(General Trade)

## Area of Expertise

Machinery design / Details drawing / Drawing analysis / Vendor management / Trilingual specialist

## Professional Experiences

### 1. Design Engineer

*Japan Marine United(JMU) Singapore (Year 2013- Active)*  
27, Tanjong Kling Road, Singapore 628052

Designing a reliable, safe and cost effective marine equipments(barges, heavy lift cranes etc) to an existing client base. Constantly challenge our self on how to improve on both design and cost perspectives.



Duties:

- Designing marine equipments according to contract specification and requirements of authorities.
- Maintaining technical knowledge as well as cost and schedule awareness.
- Producing, approving and delivering technical materials in connection with manufacturing, installing, using and maintaining of designed equipments.
- Liaise with local vendors and established new network of suppliers near factory.
- Archiving of the drawings and documents.

Projects:

#### • Lifting equipment design for IECOS Experiment

1. Conducted measurement activities on the site based on client's requirements.
2. Prepared general arrangement and proposal for structure drawings to client.
3. Prepared details drawings for davit and frame structure.
4. Liaised with suppliers and technical service departments for quotation, and installation.
5. Supervise davit and frame fabrication in the factory.
6. Archiving drawings and documents.

- **Heavy-lift Crane Jib Extension Study for Accommodation Barge**

1. Prepared principal design, general arrangement and detail structure drawings.
2. Supervised calculation sheets prepared by third party.
3. Conducted presentations to client for study results.
4. Make sure all documents are satisfied by API 2C and class requirements.
5. Archiving drawings and documents.

- **Blowout Preventer(BOP) Garage Sliding Door Design**

1. Liaised between client and engineer in Japan.
2. Prepared principal design, and detail drawings.
3. Supervised calculation sheets and detail structure drawings prepared by third parties.
4. Make sure all documents are satisfied by client and class requirements.

- **Back Hoe Barge and Hopper Barge Design**

Prepared General Arrangement and detail structure drawings.

- **4100DWT Tanker Fittings(Sludge hole, peep hole) Design**

Designed tank fitting according to client's, class requirements and JIS standards.

## 2. Assistant Technical Manager

*Coesia Japan and South Korea (Year 2011- 2012)*

*18-9, Tatsumi 3-chome, Koto-ku,Tokyo 135-0053 Japan*

Control tightly-schedule local procurement activities and assist on designing jigs to support service team in the field.



### Duties:

- Established database and managing local part manufacturing and modification (3000 mechanical parts with total value of USD 230,000)
- Liaise with local vendors and established new network of suppliers near factory.
- Constantly keep balance between quality, cost, and delivery of each manufacturing request.
- Analyze inventory and reduction cost projects (reduce manufacturing cost up to 30%)
- Established and update database for material and technical terms in Italian, Japanese and English.
- Assist in jigs design and machine support tools.

### Projects:

- **Camera Support for H1000 machines**

1. Met client and engineers to discuss camera adjustment issues in the factory.
2. Identified problems, took photos, measurement, and submitted proposal and report to manager.
3. Submitted design in 2D and 3D drawings for further discussions with manager.
4. Liaised with third parties for prototype quotation.
5. Discuss with manager regarding quality, cost, and delivery issues of suppliers.
6. Proceeded to manufacture prototype with selected supplier approved by manager.
7. Tested prototype in the factory to confirm measurement and design with client.
8. Implemented minor modification requested by client.
9. Re-test modified prototype in a fully running machine to make sure satisfaction from client.
10. Received official order from client through sales department before start to manufacture the support.

11. Checked quality before shipping the products to client.
12. Finalized drawings and filing documents.

- **Pipe Support for H1000 machines upgrades**

1. Received request from engineers to design low-cost and portable support for H1000 upgrades project.
2. Took measurement and photos in the factory, and submitted proposal to manager.
3. Submitted 3D design to check any interference of support with machines in the factory.
4. Liaised with suppliers for prototype quotation after received drawing approval from manager.
5. Preceded manufacturing prototype with selected supplier approved by manager.
6. Tested prototype in the factory to confirm measurement and design with engineers and client.
7. Finalized drawings and filing documents.

- Other completed projects: **Portable Rack for H1000 & S1000, Ventilator for H1000, Jig for Forklift**

### 3. Designer

*Cargotec Japan (Year 2009- 2011)*

*Anotsupia,4-6-1, Anotsudai, Tsu-City, Miye 514-0131 Japan*

Designing a reliable, safe and cost effective hatch covers to an existing client base. Constantly challenge our self on how to improve on both design and cost perspectives.



#### Duties:

- Designing hatch covers according to contract specifications and requirements of authorities.
- Maintaining technical knowledge as well as cost and schedule awareness.
- Producing, approving and delivering technical materials in connection with manufacturing, installing, using and maintaining of hatch covers.
- Archiving of the drawings and documents.

#### Projects:

- **Shin Kurushima Dockyard (Japan)/ Folding type 'Handymax' 58BC Hatch Cover**

1. Participated in internal meeting to discuss new project with tendering engineer, sales, procurement executive, technical manager, supervisor and hydraulic engineer.
2. Draw plan drawings based upon tendering specification. Submitted to supervisor for approval.
3. Proceeded plan drawings to strength analyst for structural calculations.
4. Calculated forces for metal fittings and hydraulic equipment of hatch covers.
5. Liaised with third party with adequate information to proceed with detail drawings.
6. Make sure detail drawings are parallel with client specification.
7. Organized internal meeting with sales executive, tendering engineer, supervisor and hydraulic engineer to make sure all deadlines are met.
8. Submit approval drawings to ship classification society for approval and client.
9. Revised drawings based upon comments from ship classification society and client.
10. Submitted revised drawings to manufacturing department.
11. Prepare technical materials including installation manuals in Japanese.
12. Finalized drawings and filing documents.

- **Hyundai Heavy Industries (South Korea)/ Folding type ‘Handymax’ 56BC Hatch Cover**
  1. Participated in internal meeting to discuss identical-design project with tendering engineer, sales executive, supervisor, and hydraulic engineer.
  2. Liaised with strength analyst for structural calculation.
  3. Liaised with third party with adequate information to proceed modification with detail drawings.
  4. Received detail drawings. Check drawings to make sure any the drawings are parallel with client specification. Submit to supervisor for approval.
  5. Organized internal meeting with sales executive, tendering engineer, supervisor and hydraulic engineer to make sure all deadlines are met.
  6. Submit approval drawings to ship classification society for approval and client.
  7. Revised drawings based upon comments from ship classification society and client.
  8. Submitted revised drawings to client for manufacturing.
  9. Prepare technical materials including installation manuals in English.
  10. Finalized drawings and filing documents.
- Other completed projects: **Yangfan Shipyard (China)/ Folding type 58BC Hatch Cover; Kawasaki Heavy Industries (Japan)/ Side Rolling Electric type 180BC Hatch Cover; Daoda Heavy Industries (China)/ Side Rolling Hydraulic type180BC Hatch Cover; Universal Shipbuilding (Japan)/ Side Rolling Electric type 205BC Hatch Cover**

## Co-curriculum activities

### 1. Museum Volunteers Program

*Department of Museums Malaysia Sep 2012-Active*

Promote public awareness, build appreciation and understanding of the history and cultures of Malaysia.

### 2. Member of Mie Islamic Cultural Center

*Mie Islamic Cultural Center Apr 2009- Apr 2011*

Organize activities for Muslim and non-Muslim community such as Eid Fitr Party, Welcome & Farewell Party, Quran Classes for children.

Dispatched team to send relief aid for victims in 2011 Tohoku earthquake in Kamaishi, Japan.

### 3. Executive committee for Saitama Muslim Student Association

*Saitama Muslim Student Association Apr 2008-Apr 2009*

Organize activities for Muslim and non-Muslim student community such as Eid Fitr Party, Welcome Party. Participate in university carnival to promote Muslim foods and cultures to local community annually.

## Additional

**1. Availability:** Three months notice period

**2. Willing to travel:** 100%

**3. Expected salary:**

## Referral

### Mr. Takanori Yamaguchi

Director, Engineering Department, Japan Marine United Singapore  
yamaguchi@jmus.com.sg

### Professor Hiroshi Yamamoto

Department of Engineering, Saitama University  
Yamamoto.hiroshi@saitama-u.ac.jp