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D.O.B: 12 Dec 1975  
Nationality: Malaysian

## Mohd. Arifin MD. MATAR

### Professional Experience

2021-present Galaxy Aerospace, Subang.

- 1. Senior Design / Tech Service Engineer**
- 2. Chief of Airworthiness – CAAM Part 21 Subpart J (DOA/2020/01)**
- 3. Compliance Verification Engineer – CAAM Part 21 Subpart J (DOA/2020/01)**  
**CAAM Ref: CAAM/AS/CVE/2022/02**
- 4. Design Verification Engineer – AEO 17/18, AEO 34/21, AEO 35/21 DGTA**
- 5. Aircraft Weighing Engineer – CAAM Ref: MBRS/2022/002, MCGSS/2022/002**

- Involved in Design Data development (Minor / Major mods) for Malaysian general aviation under Design Organizational Approval (DOA) CAAM Part 21 DOA capabilities.
- Involved in Royal Malaysian Navy Fennec & Super Lynx helicopters modification and upgrades under DGTA Authorised Engineering Organisation (AEO) approval and capabilities.
- Involved in Royal Malaysian Navy Fennec helicopter crashed-aircraft investigation (M502-3).
- Involved in aircraft weight and balance program – AW109, AW139, AW189, Super Lynx helicopters.

2019-2020 AIROD, Subang.

- 1. Principal Engineer (Aero/Mech)**
  - Involved in Royal Malaysian Air Force (RMAF), Royal Malaysian Navy (RMN) and BOMBA aircraft maintenance program, repair, modification and structural/avionics upgrade activities.
- 2. Senior Technical Service Engineer**  
*secondment to Airod Aerospace Technology (AAe), Subang.*
  - Involved in aircraft maintenance program and technical services for Malindo Air B737 & ATR72 aircrafts.

2012–2019 Aviation Design Centre, Subang.

- 1. Principal Engineer (Aeronautical)**
  - 2. Head of Airworthiness - CAAM**
  - 3. Compliance Verification Engineer (Structures) – CAAM**
  - 4. Deputy Senior Design Engineer (DSDE) - DGTA**
  - 5. Design Engineer (Structures) – DGTA**
- Involved in Design Data development (Minor and Major mods) for Malaysian commercial airlines under Design Organizational Approval (DOA) capabilities.
  - Involved in Design Data development (Minor and Major mods) for Malaysian State Aircraft Operator under Authorized Engineering Organization (AEO) capabilities.
  - Involved in aircraft weighing for commercial's B737 and helicopters.
  - Involved in providing Engineering Services to Airod and AAe.
  - Involved in Jetstar Airways B737 D-Check/HMV program at AAe.
  - Involved in AAe's *B737 Passenger-to-Freighter Conversion* program.
  - Involved in Indonesian Air Force (TNI-AU) C-130B Avionics Upgrade Program.

2001–2012                      AIROD, Subang.

**Principal Engineer (Aero/Mech)**

- Involved in development engineering documents - structural repair procedures, technical analysis for aircraft structural parts and components, technical proposals, work scopes, CAD drawings (AutoCAD, Pro/Engineer, SolidWorks, CATIA), fabrication and installation procedures for aircraft system upgrades and aircraft ground support equipment.
- Involved in aircraft interior refurbishment programs. Developed new interior layout proposal, work scopes, bill of materials and fabrication/installation procedures.
- Involved in determining alternative parts to replace obsolete and long lead time components.
- Involved in crashed aircraft recovery programs.
- Involved in technical discussions of potential aircraft upgrades with customer and OEM.
- Involved in Pilatus PC7 crash-recovery program, aircraft alignment and weighing.
- Involved in Royal Malaysian Air Force (RMAF), US Air Force and South Africa Airline (SAFAIR) and Royal Moroccan Air Force C-130 wing-swap and wing rainbow fittings replacement program, aircraft alignment and weighing.
- Developed paint scheme drawings for RMAF 737-BBJ M53-01, RMP Mi-171 helicopters, BOMBA Mi-171 helicopters and Gading Sari POS Malaysia 737-200C 9M-PMM aircraft.
- Experienced with most of RMAF aircraft such as C-130, CN235, Cessna, S61A-4, A56-N1 and S70 helicopters, BOMBA Mi-17 and Mi-171.
- Experienced with Royal Malaysian Navy (RMN) Superlynx helicopter. Involved in repair activities, structural/avionics upgrade program, ground support equipment.

2009–2011                      Aviation Design Center, Subang.

**Senior Design Engineer / Structures CVE (secondment)**

- Developed, Checked and Verified mechanical design data and modification documents, structural substantial reports and instructed continued airworthiness for Malaysian Civil aircraft.
- Obtained Approved Signatory from Department of Civil Aviation Malaysia (DCA) in 2009.

2000–2001                      Maruko, Senai.

**Production Engineer**

- Involved in setting up new production line. Developed work scope and required bill of materials.
- Involved in production potential and capabilities improvement.

1999–2000                      University Technology Malaysia, Skudai.

**Research Officer**

- Assigned to Centre for Technology Policy and International Studies (CENTEPIS), under Technology Transfer in Ship Building Industries Project.
- Involved in preparing academic papers/journals, literature studies and some government-funded projects.

**Professional**

Graduate Engineer, Board of Engineers Malaysia (BEM)

**Affiliation**

- Reg. No: G179440R

Graduate Technologist, Malaysia Board of Technologist (MBOT)

- Reg. No: GT22120405

**Education**

1993–1999 University of Technology, Malaysia.

- B.Eng. (Hons), Mechanical Engineering (Aeronautics).

## Projects

### 2021

- RMN EWR-99 Shim Bracket replacement
- RMN Fennec Life Vest leather and seating replacement
- RMP 9M-PTC Exterior Markings & Placards
- Kargo Xpress 9M-KXA B73F Exterior & Interior Markings/Placards
- Superlynx Landing Light replacement
- RMN AS555 Fennec Mid-Life Upgrade, Comm Upgrade and Radio replacement
- Berjaya Air ATR72 Spider-X installation
- Malaysian Army Aviation H225 modification

### 2020

- RMAF Pilatus PC-7 Corrosion on Longeron Recovery Program
- RMAF M30-14 Hard-landing Recovery & Aft-Plug Replacement Program

### 2019

- Philippine Air Force Fokker F28 Avionics and Entertainment System Upgrade Program
- Transafrik C-130 Center Wing Box Replacement Program

### 2018

- RMN Superlynx Trestle Ground Support Equipment
- RMN Superlynx Rescue Hoist Load-Ballast
- Helistar AW109S Data Plate Installation

### 2016

- Sabah Air Installation of Digital mapping Camera System – Major Mods.

### 2015

- AIROD-US Navy C-130J Engineering Team.
- Pakistan Air Force C130 Center Wing Box Replacement Program.
- SAFAIR C130 Rainbow Fittings Replacement Program.
- Berjaya Air ATR72 Livery and Interior Refurbishment Program.

### 2014

- AIROD AW139 (9M-ASB) Interior Refurbishment.
- RMAF Beechcraft B200T Avionic Mission System Upgrade.
- Hornbill Skyways (9M-WSC) Interior Modification.
- RMAF Hawk Recovery.

### 2013

- Technical Service Engineer for AIROD Aerospace Engineering – Jetstar B737-400 (VN-A189) D-Check.
- Technical Service Engineer for AIROD Aerospace Engineering – Gatari Air Service ATR42-500 (PK-HNT) C-Check.
- Involved in development of Aircraft Livery for Gading Sari Aviation Services B737 (9M-GSA).
- B737 Interior Refurbishment & VIP Cabin Conversion.
- Aircraft Weighing B737, B747.

## 2012

- Involved in development of Hoist Mounting Frame and Search Light System Installation on Royal Cambodian Air Force (RCAF) Mi-17 helicopters.
- Involved in the development process of Royal Malaysian Air Force (RMAF) Sukhoi Su-30MKM Engine Test Stand.
- Involved in installation phase of FLIR Camera on BOMBA Mi-17 helicopters.

## 2011

- Lead Mechanical Engineer for RMAF S61A-4 *Nuri* Upgrade Program.
- Tutor for AIROD 'Center Wing Rainbow and Corner Fittings Replacement Team for Philippine Air Force (PAF) C130 aircraft at Clark Air Base, Philippine – Lockheed SB82-771.

## 2010

- Tutor for AIROD Center Wing Rainbow and Corner Fittings Replacement Team for Ecuadorian Air Force C130 aircraft at Directorate of the Aviation Industry (DIAF), Ecuador - Lockheed SB82-771.
- Project Engineer for 'Center Wing Rainbow Fittings Replacement' on Royal Jordanian Air Force C130 aircraft at Jordan Aeronautical-Systems Company (JAC), Amman, Jordan - Lockheed SB82-771.

## 2009

- Project Engineer for 'Center Wing Rainbow and Corner Fittings Replacement' on Royal Moroccan Air Force C130 aircraft at Abu Dhabi Aircraft Technologies (ADAT), Abu Dhabi, UAE - Lockheed SB82-771.
- Design Engineer for installation of KHF 950 Communication System on Sabah Air BO105 helicopter.
- Project Engineer for aircraft interior refurbishment on Transwisata Prima Aviation Fokker F28 MK-100 aircraft.  
*- Involved in walk-around inspection, work scope development, selection of vendors, estimation of refurbishment period, bill of materials required and fabrication/installation process.*
- Project Engineer for Royal Malaysian Army Agusta A109LOH FLIR Star Safire III Thermal Imaging System.  
*- Involved in walk-around inspection, work scope development, bill of materials required, fabrication/installation process and trial and flight test installation.*

## 2008

- Project Engineer for the aircraft interior refurbishment program on Indonesia Transwisata Prima Aviation Fokker F28 MK-4000 aircraft.
- Project Engineer for the Center Wing Rainbow Fittings replacement on SAFAIR C130 (L100-30) aircraft at Kempton Park, South Africa.  
*- Involved in planarity/wing alignment, inspection and replacement process.*
- Project Engineer for Myanmar Air Force Recovery Program Alouette helicopters, at Meiktila base, Myanmar.  
*- Involved in walk-around inspection, produced an inspection report which include recovery work scope, estimation of man-hours and bill of materials required.*

## 2006-2007

- Project Engineer for the Avionics Mission System upgrade on RMAF Beechcraft B200T aircraft  
*- Involved in development of technical proposal, preliminary and critical design, fabrication and installation process, troubleshooting, determination of correct weight and balance sheet, functional and flight test.*

## 2006

- Project Engineer for Sri Lanka Air Force C130 Recovery Program, at Colombo, Sri Lanka.
  - *Involved in walk-around inspection, produced an inspection report which include recovery work scope, estimation of man-hours and bill of materials required.*

## 2003–2005

- Project Engineer for the installation of Night Vision Imaging System (NVIS) on RMAF 'Nuri' S61A-4 helicopters.
  - *Developed brackets fabrication/installation procedures for all avionics components. Introduced a 3<sup>rd</sup> Crewman seat as part of the program.*
- Project Engineer for the installation of Breeze-Eastern Electrical Rescue Hoist System on RMAF 'Nuri' S61A-4 and BOMBA Mi-17 helicopters.
  - *Developed technical proposal and brackets fabrication/installation procedures for all avionics components. Introduced solutions to improve Search & Rescue capabilities. Involved in several test flights to determine serviceability of installed components.*

## 2005

- Project Engineer for Crashed Aircraft Recovery Program for RMAF Alouette helicopters.
  - *Involved in walk-around inspection, produced an inspection report which include work scope, man-hours estimation and bill of materials required.*

## 2004

- Project Engineer for Avionic Upgrade Program on RMAF F5.
  - *Involved in technical proposal development and trial installation V/UHF AD3500 on RMAF F5 fighter jet.*
- Project Engineer for Exterior Aircraft Paint Schemes on RMAF VIP Boeing 737-7H6 BBJ and BOMBA Mi-171 helicopters.
  - *Designed exterior paint schemes, technical proposal, work scopes and bill of materials required for the project.*

## 2003

- Project Engineer for the installation of SX-16 Nightsun Searchlight on RMAF 'Nuri' S61A-4 helicopters.
- Project Engineer for the Interior Refurbishment Program on RMAF 'Agusta' A56-N1 helicopters.
  - *Developed technical proposal, new interior layout, galley and wardrobe designs, sheet metal fabrication and installation procedures for the program.*
- Designer for Aircraft Ground Support Equipment Program for aircraft C130, CN235 and BOMBA Mi-17 helicopters.

## 2002

- Project Engineer for the VIP Configuration Program for RMAF C130 and CN235 aircraft and BOMBA Mi-17 helicopters.
  - *Developed technical proposal, new interior layout, galley and wardrobe designs, sheet metal fabrication and installation procedures for the program.*
- Involved in Entertainment System Upgrade Program for Indonesia Transwisata Prima Aviation F28 Mk4000 aircraft.
  - *Developed support fabrication and installation procedures for components such as DVD player and LCD TV.*

**Courses attended**

- As per Annex 1 (attached) -

**Skills**

Read, write and converse in English and Bahasa Malaysia fluently.

Excellent in IT field and computer programs such as SolidWorks, CATIA, Pro/Engineer, Pro/Mechanica, AutoCAD and Microsoft Office.