

CAE BRUNEI MULTI-PURPOSE TRAINING CENTRE (MPTC)

Integrated training solutions for complex environments



CAE

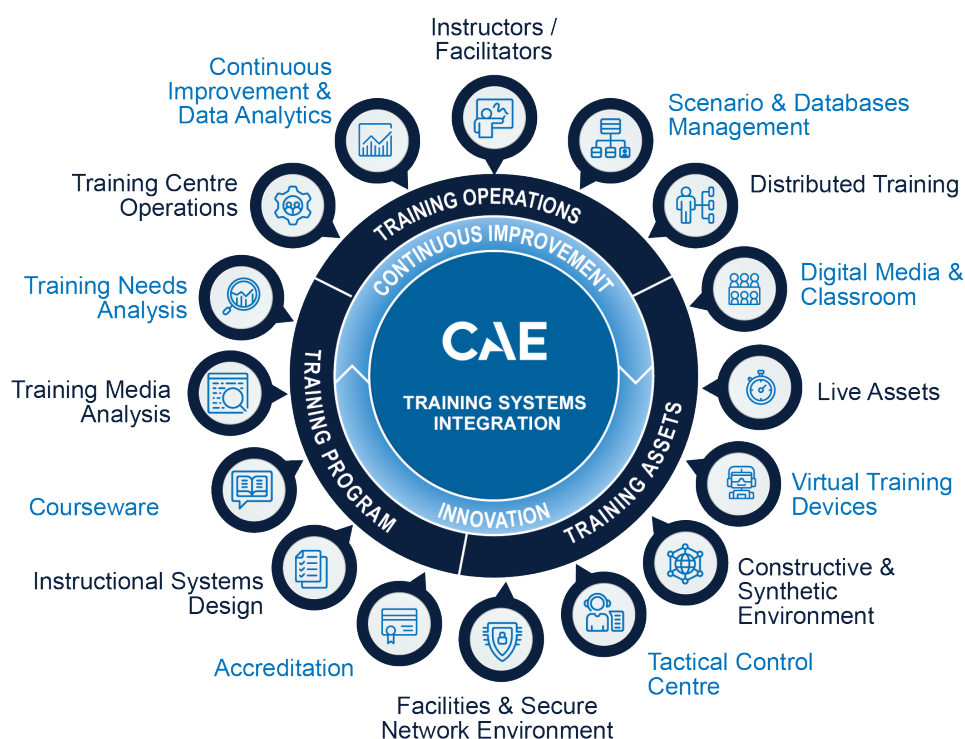
Training and technology leadership in Brunei Darussalam since 2014

CAE delivers integrated training solutions and mission systems to ensure our customers remain ready to navigate complex operational environments. Building on 75 years of global experience supporting defence, healthcare and civil customers, CAE ensures customer's training technologies, methodologies, and trainees are equipped for tomorrow's challenges.

CAE values its enduring partnerships and regional presence in the Indo-Pacific region, with extensive experience working with customers in Brunei Darussalam. Our significant footprint includes over 200 training and simulation devices across the Indo-Pacific region, readily supporting military and civil customers to meet their training and operational objectives.

The CAE Brunei Multi-Purpose Training Centre (MPTC) situated in Brunei Darussalam is a joint venture between CAE and the Government of Brunei, staffed and operated by local employees. Since 2014, the centre has served the region as the largest world-class facility offering training solutions for rotary wing operators of the Sikorsky S-92 and S-70i Black Hawk helicopters.

Specialising in mission-specific training in key market segments, CAE Brunei MPTC also offers comprehensive training solutions for regional operators outside of military applications. The CAE Emergency Management and Crisis Management Centre of Excellence provides local authorities such as Brunei's Ministry of Home Affairs and National Disaster Management Centre (NDMC) with comprehensive training designed to better plan and prepare for emergencies.



Training Programs

CAE training programs are defined by a rigorous process of training needs analysis, training media analysis and training tasks analysis that provide the foundations of an optimal training system. CAE follows regulatory government standards to ensure training assets meet all in-country requirements.

Training Assets

CAE offers ab-initio training, type-rating, recurrent and aviation refresher training, as well as mission rehearsal training. CAE helps customers identify the most effective use of each training media, from classroom-based Crisis and Emergency Management training to full-mission simulators and instructional training services.

Training Operations

CAE has extensive experience deploying the tools, processes and personnel required to operate training centres. As a global leader in training, CAE Brunei ensures all components of a training system work well together, including scheduling, instruction, maintenance, and in-service support.

Sikorsky S-92 training supporting mission readiness

The CAE 3000MR (Mission Reality) Series helicopter simulator for the Sikorsky S-92 provides an immersive training experience for the full range of special mission, civil and military helicopter training requirements.

CAE Brunei's S-92 Full Flight (EASA certified) Level D Simulator offers unprecedented realism for rotary-wing mission-specific training designed to meet emerging regulatory requirements. Providing an immersive training experience for rotary-wing aircrew, the device precisely simulates the operating environment combined with sensor applications to deliver the most realistic mission

training required for off-shore operations, ship landing, oil-rig operations, search and rescue, hook and hoisting operations.

The CAE Brunei S-92 simulator offers a 10-foot dome display, capable of a 210 by 75-degree field-of-view, as well as the ability to utilize roll-on/roll-off cockpits to support mixed fleets. CAE's extensive experience in delivering training expertise and technology to the global rotary-wing market is demonstrated by the flexibility, adaptability and enduring support that the CAE 3000MR Series provides.

CAE 3000 Series S-92

Visual System

- Image Generator: CAE Medallion 6000 Series
- Projection System: 8 Barco Sim5W Projectors
- Visual Display: Direct Projection 10-foot Dome
- Visual Field of View: 210 Degree HFOV by 80 Degree VFOV

Motion System: 6 Degrees of Freedom, Electric

Vibration System: 3 Degrees of Freedom, Electric

Control Loading System: Load Unit, Electric

Sound System: CAE Strive

Instructor Support System: On Board Touch Screen



Training Applications

- Pilot qualification and requalification training
- Normal procedures
- Emergency procedures
- Takeoff/Landings (Ship decks, Oil Rigs, Elevated platform landing, Slope landing, Confined area landing)
- Cargo hook operation (Under Slung Load)
- Search and rescue (SAR) operations
- Winch training
- Instrument Flight Rules Training (Airborne Radar Approach (ARA) RNP Approach; limited to (LNAV, LNAV/VNAV))
- GPS
- Night Visual Flight Rules training
- Life raft deployment
- Emergency floatation system (EMS)
- Variable weather conditions (dawn/dusk/night/visibility/wind/turbulence etc. Windshear profiles available)
- TCAS II
- Enhanced Ground Proximity Warning Systems (EGPWS) TCAS II (ver. 7.1)

S-70i Black Hawk Instructional Training

The CAE 3000 Series simulator provides a high-fidelity training experience for the full range of pilot training requirements for the S-70i Black Hawk. The simulator offers a direct projection 12-foot dome display and high-fidelity CAE Medallion-6000 image generator to provide an extreme field-of-view visual system delivering a highly realistic synthetic environment.

The highly realistic S-70i full-flight simulator is ideal for performing aircraft qualification and mission training and rehearsal, including search and rescue, firefighting, NVG flying, formation flight, winching and stretcher lift,

mountain flying, shipboard landings, over water flight, and special missions.

The CAE 3000 Series S-70i simulator also features high resolution projectors, support for night vision goggles (NVG) flying, a full six degree-of-freedom (DOF) electric motion system, and a 3-DOF vibration system to provide realistic cues to the pilots. The CAE 3000 Series S-70i full mission simulator at the CAE Brunei MPTC can be certified to a U.S. Federal Aviation Administration (FAA) Level D standard for flight simulators.

CAE 3000 Series S-70i

Visual System

- Image Generator: CAE Medallion 6000 Series
- Projection System: 10x F35 Projectors
- Visual Display: Direct Projection 12-foot Dome
- Visual Field of View: 220 Degree HFOV by 88 Degree VFOV. Includes chin window views

Motion System: 6 Degrees of Freedom, Electric

Vibration System: 3 Degrees of Freedom, Electric

Control Loading System: Load Unit, Electric

Sound System: CAE Strive

Instructor Support System:

On Board Touch Screen



Training Applications

- Pilot qualification and requalification training
- Normal procedures
- Emergency procedures
- Flight Management System data entry and flight operations
- Takeoff/Landings (Ship decks landing, Elevated platform landing, Slope landing, Confined area landing)
- Basic mission training
- Cargo hook operation (Under Slung Load)
- Winch training
- Search and rescue (SAR) operations
- Formation flying
- Low level flight operations
- Mountain flying
- Firefighting operations
- Night Vision Goggle (NVG) operations
- Instrument Flight Rules Training
- Night Visual Flight Rules training
- Over-water operations (with up to sea state 6)
- Variable weather conditions (dawn/dusk/night/visibility/wind/turbulence etc. Windshear profiles available)

Training Courseware Services at CAE Brunei MPTC



Aviation

- Initial and type rating training for specific aircraft platforms
- Recurrent and refresher training for specific aircraft platforms
- Familiarization and procedural training
- Mission-specific training such as low-level flying tactics
- Landing on oil platforms and more

Healthcare

- Basic Life Support (BLS) (2 days);
- Advanced Cardiac Life Support (ACLS) (2 days);
- Core Disaster Life Support (CDLS) (1 day).

Emergency/Crisis Management courses



National Disaster (Brunei) Disaster Management Training

- National Standard Operating Procedures (NaSOP) (1 day)
- Community Based Disaster Risk Management (CBDRM) (1 day)
- School Based Disaster Risk Management (SBDRM) (1 day)

Awareness Series

- Introduction to Emergency Management (1 day)
- Introduction to Evacuation Management (3 days)
- Incident Command System (ICS) 100 (1 day).

Intermediate Series

- Incident Command System (ICS) 200 (3 days)
- Exercise Design Fundamentals (6 days)
- Introduction to Risk Management (5 days)
- Introduction to Multi-Crisis Management (1 day)
- Disaster Relief Logistics Management (4 days)
- Tactics, Techniques and Procedures (5 days)
- Social Media in Crisis Management (1 day)

Advanced Series

- Operations Duty Staff Officer (3 days)
- On-Site Commander Theory and Practice (5 days)
- Incident Command System-300 (3 days)
- Incident Command System-400 (4 days)

Emergency Management instructor-led virtual courses

CAE is now offering instructor-led virtual emergency management training to allow learners to attend courses in the comfort of their home, or wherever they may be located. CAE has reimagined the traditional in-classroom training and is now providing distance learning delivered by CAE Brunei MPTC professional instructors in a virtual classroom for greater flexibility, increased student throughput and improved safety and efficiency.

Available Instructor-Led Virtual Courses

- Introduction to Emergency Management (6.5 hours)
- Incident Command System 100 (ICS 100) (6.5 hours)
- Introduction to Logistics Management in Disaster (LM) (4 days)
- Introduction to Evacuation Management (3 days)
- Social Media in Disaster (6.5 hours)

About CAE Brunei MPTC

In partnership with the Government of Brunei, the CAE Brunei Multi-Purpose Training Centre (MPTC) provides Brunei Darussalam with access to leading-edge training technology, experienced operational staff, and integrated training solutions for rotary-wing, healthcare, Crisis and Emergency Management (EM) operations. By providing synthetic training environments, CAE Brunei MPTC has equipped operators and individuals with the situational awareness and advanced preparation required to excel in crisis and tactical operational scenarios.

The CAE Brunei MPTC has been purpose built with modern classrooms and infrastructure along with multiple simulator bays to optimise training and rehearsal at the time and point of need. The facility incorporates industry-leading modelling and simulation technologies, learning management systems, courseware development and training support services for rotary-wing training and emergency/crisis management training programs.



Training Equipment and Products available at CAE Brunei MPTC

- S-92 Full-flight Simulator (with full mission training capabilities)
- S-70i Full-flight Simulator (with full mission training capabilities)
- Multimedia classrooms
- Interactive, computer-based training
- Brief/debrief rooms and capabilities
- Simulation-based courseware
- Training management information system



The CAE Brunei MPTC is located 10 minutes' drive from the Brunei International Airport, and is in close proximity to local Hotels, Dining, Shopping, and Recreational precincts.

Creating an optimal training experience for international visitors, CAE Brunei MPTC customer service assistance is available from 0800-1700 Monday to Friday to book accommodation and transport for your visit. Discounts for accommodation are available through CAE Brunei MPTC with The Radisson Hotel, The Empire Brunei, and The Rizqun International Hotel.

MPTC Facilities

- Dining facilities onsite (cafeteria)
- Communal and private rest areas
- Free WiFi access
- Free Parking onsite
- Secure storage for personal items and luggage

Service excellence delivered by local industry expertise



Rozman Junaidi

General Manager, CAE Brunei MPTC

Mr. Junaidi graduated from the Coventry University in England in 1996 with honours and attained a bachelor's degree in business administration. Mr. Junaidi presents extensive experience working in civil aviation across Human Resources, Marketing, Sales, Government Affairs, Corporate Branding and Management roles.

Mr Junaidi joined CAE Brunei MPTC in 2013, initially as the Deputy General Manager to eventually become the General Manager for the CAE training centre in 2017. Dedicated to the growth and operations of the CAE Brunei MPTC, he remains as the General Manager overseeing day to day operations.



Fadhlan Julaihi

Head of Operations, CAE Brunei MPTC

Mr. Julaihi holds a B1.1 in Aircraft Maintenance Training from Air Service Training, Scotland, which developed into 17 years of highly skilled experience in the airline industry. Beginning his career in 2006 as an Engineering Apprentice for Royal Brunei Airlines, Mr Julaihi grew his role to later become the Maintenance Planning Superintendent. He was later appointed as the Final Assembly Line Technical Representative, located in both Hamburg and Toulouse, responsible for the successful delivery of 7 aircraft to Brunei.

In 2021, Mr Julaihi joined CAE Brunei MPTC as the Head of Operations, responsible for the seamless management of the training devices and technical operations.



MAJ (Ret.) Peter Bin Satu, Qhi

Lead Instructor, CAE Brunei MPTC

Peter Satu is a retired Major from the Royal Brunei Air Force (RBAirF). Mr. Satu was the Officer Commanding of No. 1 Squadron during 2013-2014 when the first fleet of S-70i were delivered to RBAirF, and become one of the first Qualified Instructors on S70i trained by Sikorsky. During his active service, he achieved over 3,096 flying hours and 340 instructional hours on both the Sikorsky S-70i and Bell 206 B.

In 2015, Mr. Satu began his career with CAE Brunei MPTC as a Flight Simulator Instructor and played an integral role in the courseware renewal, development, acceptance, and testing of the S-70i FFS (Full Flight Simulator). Mr. Satu became the first Simulator Instructor to deliver the first Initial and Recurrent training for the RBAirF on S-70i, and today works as the lead Lead Instructor on the platform.

CAE is a high-technology company with a mission and vision focused on safety, efficiency, and readiness

At CAE, we equip people in critical roles with the expertise and solutions to create a safer world. As a technology company, we digitalise the physical world, deploying software-based simulation training and critical operations support solutions. Above all else, we empower pilots, cabin crew, airlines, defence and security forces and healthcare practitioners to perform at their best every day and when stakes are the highest.

CAE represents more than 75 years of industry firsts—the highest-fidelity flight, mission and medical simulators and training programs powered by digital technologies. For Defence & Security customers across the globe, CAE optimises capabilities through join-domain integration and delivers platform-independent training to ensure our customers are ready for the moments that matter.

CAE works in close partnership with rotary-wing and fixed-wing customers worldwide to optimise training and transform force readiness. Professional support in training design, systems integration, training centre operations and sustainment fosters optimised and accelerated uplift in student and force capability.

Our recent and ongoing rotary-wing business includes critical flight training on CH-47 Chinook, UH-60 Blackhawk, and AH-64 Apache for the U.S. Army in the world’s largest helicopter simulation training program at the U.S Army Aviation Center of Excellence (USAACE). Regionally, CAE delivers training for the Royal Brunei Air Force, providing pilot qualification training on the S-70i Blackhawk, and critical training and maintenance capability for the Royal Australian Navy on the MH-60R Seahawk.

These programs demonstrate CAE’s experience in rotary-wing training and the global organisation’s readiness to support collaborative partnerships to deliver world-class training for pilots and aircrew. CAE Defence & Security is located in key growth markets, powered by local communities and enduring industry partnerships.

CAE Defence & Security | Global



145+

sites



40+

Defence Forces



6,000+

CAE Defence & Security employees



70+

platform types supported

CAE Defence & Security | Indo-Pacific



85+

training devices in IPAC



3,000

personnel trained annually across IPAC



147,000+

training hours delivered per annum across IPAC



98%

device availability in IPAC

Contact

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Reception & Registration

Open Monday to Thursday 0800 – 1700
Open Friday 0800-1200 and 1400-1700

Customer Service Assistance

Customer service is available from
0800-1700 daily. Please contact:

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