SAB System

SOLUTION for ADVANCE BUSINESS SYSTEM

Turning Ideas Into Reality

SAB System Sdn. Bhd.(961130-D)

Company Profile

ABOUT US

WHO?

SAB System Sdn. Bhd. (SABSys) is a bumiputera company set up with the objective of participating actively in local economic activities as well as abroad. Incorporated in 2011 with more than 100 Man years' of experience, we provide engineering and Information Technology services and solutions provider to corporate and government sectors. SABSYS brings the best brain in the ICT and engineering industry which has the capability to undertake, supply and implementation of ICT and engineering related projects

WHAT?

Focusing on a niche products such as CBM, ASI And CBT. SABSys also able to handle project management and consultancy, supply of equipment, installation, testing, commissioning & maintenance. We are also ready as Engineering & ICT solutions and services provider. OUR AIM is to work with client from start to finish, creating added value at each stage of the project cycle. We have our dedicated human assets of professionals and business partners to provide total customer satisfaction to all our customers.

WHY?

SABSys combines the quality of larger international organization with their know-how and technology, together with our homegrown expertise. Thus, provide a practical, customised and integrated range of business services, which is fully market and performance driven. We utilise the technology to most effectively protect an organisation's people, property and assets.

COMPANY NAME:	**SAB SYSTEM SDN. BHD.**
COMPANY REGISTRATION NO.:	**961130-D**
DATE OF ESTABLISHMENT:	**22 SEPTEMBER 2011**
PAID UP CAPITAL:	**RM 1,000,000.00**
AUTHORIZED CAPITAL:	**RM 1,000,000.00**
COMPANY SECRETARY:	**INTEGRASI GEMILANG SDN. BHD.** **18-5 JALAN 3/146,** **BANDAR TASIK SELATAN,** **57000 KUALA LUMPUR.**
AUDITOR:	**ZAMZURI & CO.** **NO. 10-1B,** **JALAN PANDAN 3/10,** **PANDAN JAYA,** **55100 KUALA LUMPUR.**
BANK:	**MAYBANK ISLAMIC BERHAD** **B01 & B02, SUNWAY GIZA MALL,** **2, JALAN PJU 5/14,** **KOTA DAMANSARA,** **47810 PETALING JAYA,** **SELANGOR.**
FACILITY 1: **AMOUNT:** **TYPE:**	**IKHTIAR FACTORING SDN. BHD.** **RM 9 MILLION** **BG, LC, FACTORING**
FACILITY 2: **AMOUNT:** **TYPE:**	**SME BANK** **RM 6 MILLION** **BG & COMMODITY MURABAHAH REVOLVING FINANCING**
FACILITY 3: **AMOUNT:** **TYPE:**	**BANK RAKYAT** **RM 3 MILLION** **BLANKET CONTRACT FINANCING-I (REVOLVING)**

The objective of the Company are

VISION

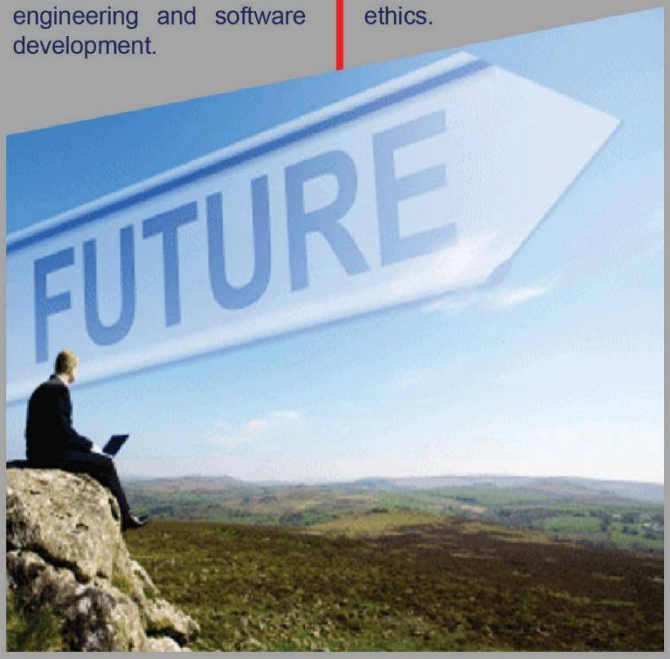
At the heart of SABSYS way is our vision to be the center of technical excellence and leading player of CBM, CBT and IeTM in particular in related industries. We want to be the company that best understands and satisfies our clients with our product and solution. We are committed to the relentlessness pursuit of innovation in providing our services that emotionally meet or exceed customer needs and expectation by delivering competitively priced, highest quality and timely solution, as well as broadens customer and technology base via I ocal presence.

MISSION

SABSYS approach is to create, modify, enhance, and protect the business environment of SABSYS' clients through creating informed opinions in key audiences based on the creative presentation of truthful information in engineering and software development.

MERITS

Unique and creative solutions that meet the clients' expectations not only by realizing the clients' business objectives, but particularly by our strict adherence to the principles of ICT, engineering and software development ethics.



FOCUS

We offer an A to Z solution from concept, design, layout, graphics and development towards meeting our customer's business requirement and environment. By creating innovative and interactive technologies solution that empower businesses in todays' challenging world, SABSys is empowering its customers' specialists in their field to make a right decisions to maximize the operational uptime of their industrial assets, and eliminate costly mistakes.

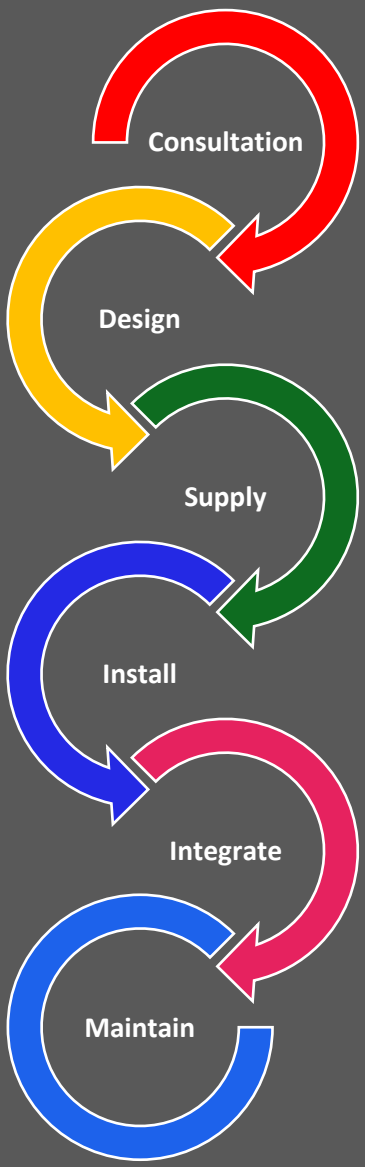
SAB System Sdn. Bhd always ensure timely and appropriate response to client requirements.

What we do

"We do what we do best… We improvise.."

Our PRODUCTS & SOLUTION

1. System Development & Network Infrastructure
2. Radar, Microwave, & Satellite Communication System
3. 3D Interactive Solution
4. Condition Based Maintenance (CBM)
5. Aircraft Structure Integrity (ASI)
6. Pilot Log & Flying Management



NETWORK SOLUTIONS, SYSTEM DEVELOPMENT & INTEGRATION

Enterprise Network & Advance Security

As an experienced Systems Integrator, we understand the business and IT challenges that faced by enterprise organizations today concerns about enterprise network security and access control, as well as the specific networking challenges affecting the campus, ranches, and data centre. We engineer our enterprise network solutions to counter these networking issues.

Regardless of the business vertical or location, enterprise networks and the applications, the support are critical to the enterprise. We provide enterprise network solutions that can offer network protection, operational simplicity, networking performance, flexibility, and total cost savings.

Our comprehensive product portfolio includes:-

- Network Solution & Integrations
- IPV6 Migration
- Software Development
- Security

Provides more availability and agility due to open networking infrastructure, enhanced enterprise network security, including adaptive threat management solutions that are widely recognized by analysts and peers as best-in-class.

At SAB System, our main expertise is software development. We are passionate about software and the potential of what can be achieved by having a clear understanding on how well designed and implemented software should be. We are dedicated in delivering software architecture that will provide an environment suitable for high performance processing and scalable and extensible functionalities.

In software development we rely in Open Source technologies to ensure our customers that we are relying on technologies that have been widely implemented, providing stability, extensibility, and based on open standards and broad knowledge among the developers community providing flexibility in contracting services (no vendor lock-in). We want our customers to contract our services because they want to, not because they have to.

Our highly trained personnel will design, develop, and implement the right solution for our customer's software development needs. We will consider all aspects of their business when doing so, from the expertise that the organization relies on, to the hardware and software currently implemented in their environment, so that implementation of our solution would be as seamless as possible.

OUR AREA OF FOCUS IN SOFTWARE DEVELOPMENT

Programming Disciplines

- Service Oriented Architecture (component based, service driven)
- Aspect Oriented Programming
- Inversion of Control Container
- Programming Toward Interfaces
- Test Intensive Development

Intergration

- Service Oriented Architecture
- Databases integration
- Application Programming Interfaces

RADAR, MICROWAVE, & SATELLITE COMMUNICATION SYSTEM

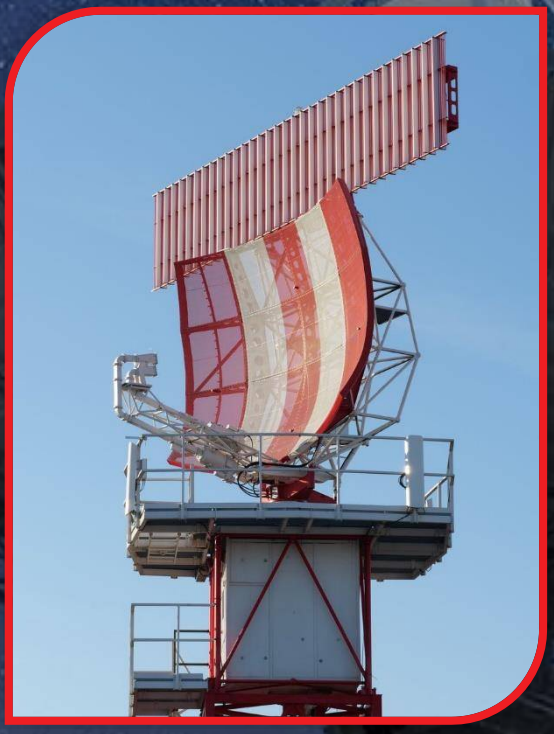
Earth Station Satellite for Communication and Remote Sensing:

- C- Band, S- Band, X-Band, Ku-Band and Ka-Band
- Planning, Design, Installation, Integration, Testing and Commissioning
- Maintenance, Support
- Training and Consultation

RADAR, MICROWAVE, & SATELLITE COMMUNICATION SYSTEM

Radar System

- Planning, Design, Installation, Integration, Testing and Commissioning
- Maintenance and Support
- Training and Consultation



RADAR, MICROWAVE, & SATELLITE COMMUNICATION SYSTEM

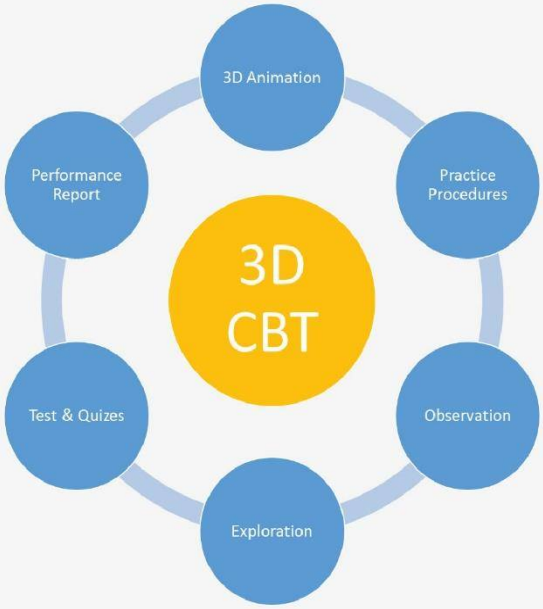
Radio and Microwave Systems

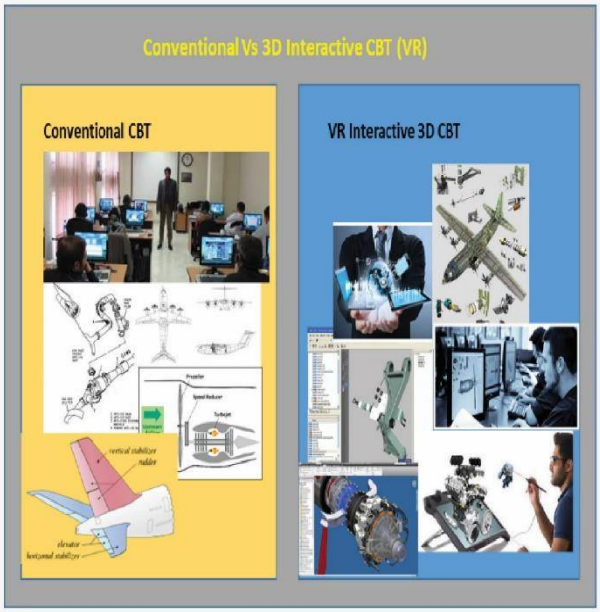
- Planning, Design, Installation, Integration, Testing and Commissioning
- Maintenance and Support
- Training and Consultation

3D INTERACTIVE CBT

Our 3D interactive CBT is called **3D V-LEARNT (3D Virtual Learning And Training Aids)** – An Advance CBT (Computer Based Training) With Virtual Reality (VR) Capability

The most common CBT courseware being deployed in the market is based on hypertext that may contain still images, video, audio and 2D computer drawn graphics. In contrary, an interactive ***3D CBT*** is a comprehensive CBT training procedures in electronic syllabus for training centre designed in 3D visual rich media. Our approach is to maximise learning with highly interactive media-rich courseware that can benefit students/trainees to quickly familiarise with the MRO procedures and components via 3D interactive.
Our interactive 3D CBT comes with ***Virtual Reality (VR)*** capabilities. With virtual reality we can create lively accurate 3D models which provide a realistic representation of what instructors are trying to achieve or trying to instruct users to use and familiarised. This means an accurate and real representation of a machine, equipment or component which trainees can learn to use and familiarise in a safe environment without any risk of damaging the equipment.





ARTmaint

AR Solution For Training & Maintenance Guide

Powered By SABSystem

Training technicians to acquire new maintenance and assembly skills is important for various industries. Because maintenance and assembly tasks can be very complex, training technicians to efficiently perform new skills is challenging. Training of this type can be supported by Augmented Reality, a powerful industrial training technology that directly links instructions on how to perform the service tasks to the machine parts that require processing.

Because of the increasing complexity of maintenance tasks, it is not sufficient to train the technicians in task execution. Instead, technicians must be trained in the underlying skills - sensory motor and cognitive - that are necessary for the efficient acquisition and performance of new maintenance operations.

What is ARTmaint

SABSystem offers an Augmented Reality Solution for 3D VLEARNT, known as ARTmaint. ARTmaint provides a live or indirect view of 3D physical component maintenance guides or process cycle by computer generated reference.

It integrates digital information with the real-time environment. It uses the existing environment and overlays new information on top of it.

As the industrial Internet of Things (IoT) comes into focus, a clearer picture is emerging of the Augmented Reality (AR) role as a better way to train plant floor personnel while lending a hand in operator maintenance.

Why ARTmaint

Tracking 3D Model, viewing process cycle etc.

ARTmaint can help train people on the job without taking time out for training. While providing guidance to ensure a job gets done correctly.

- Hands-on and 1-to-1 participation
- Capture Fast Knowledge

ARTmaint Solution

Link specific info, references or pdf

It was designed to suits the Air, Land and Sea industries for their:

- Maintenance & Troubleshooting Guide
- Logistic & Inventory System
- Part Task Trainer

ARTmaint Benefits

View Maintenance SOP and instructions

- Speed-up Understanding
- Long-term Knowledge Retention
- Skillful Workers
- Anytime, Anywhere

VRMaya

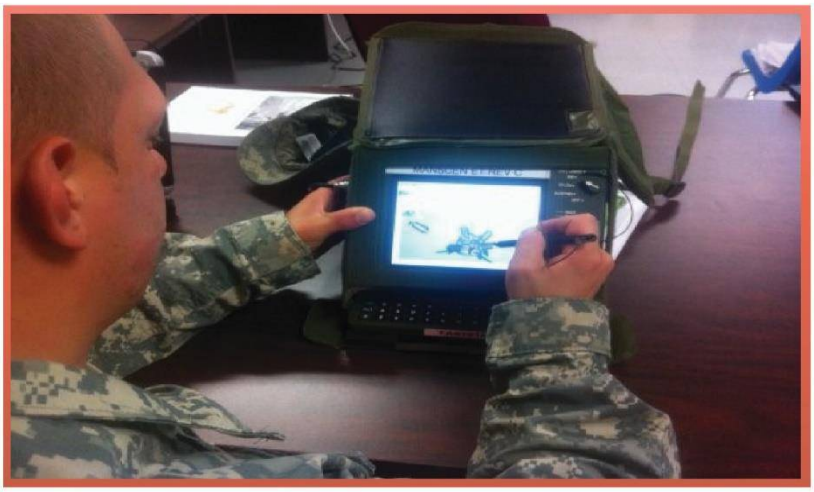
VRMaya offers a training method that includes computer-based interactive 3D simulations of virtual equipment that replicates the actual real life vehicle or device. It safely teaches vehicle and device crewmembers the procedures to properly service, repair, and maintain equipment.

VRMaya covered

- Maintenance Standard Operation Procedure (SOP)
- Walkthrough
- Part Familiarization

As with most training simulators, the implementation of virtual maintenance training into a training program provide benefits such as:

- Reduces Cost
- Ensures Safety
- Increases Student Throughput
- Easily Accessible
- Adaptability
- Aids Instructor Functionality
- Team Training Capabilities



Interactive Electronic Doc

Interactive electronic Technical Manual – With Augmented Reality (AR) Capability

Interactive Electronic Doc comes with Augmented Reality capabilities that consist of Operating Procedures, Installation instruction and Maintenance and repair in 3D simulation. Using interactive animation, it's clearly communicate complex mechanical procedures and process flow like in a real situation.

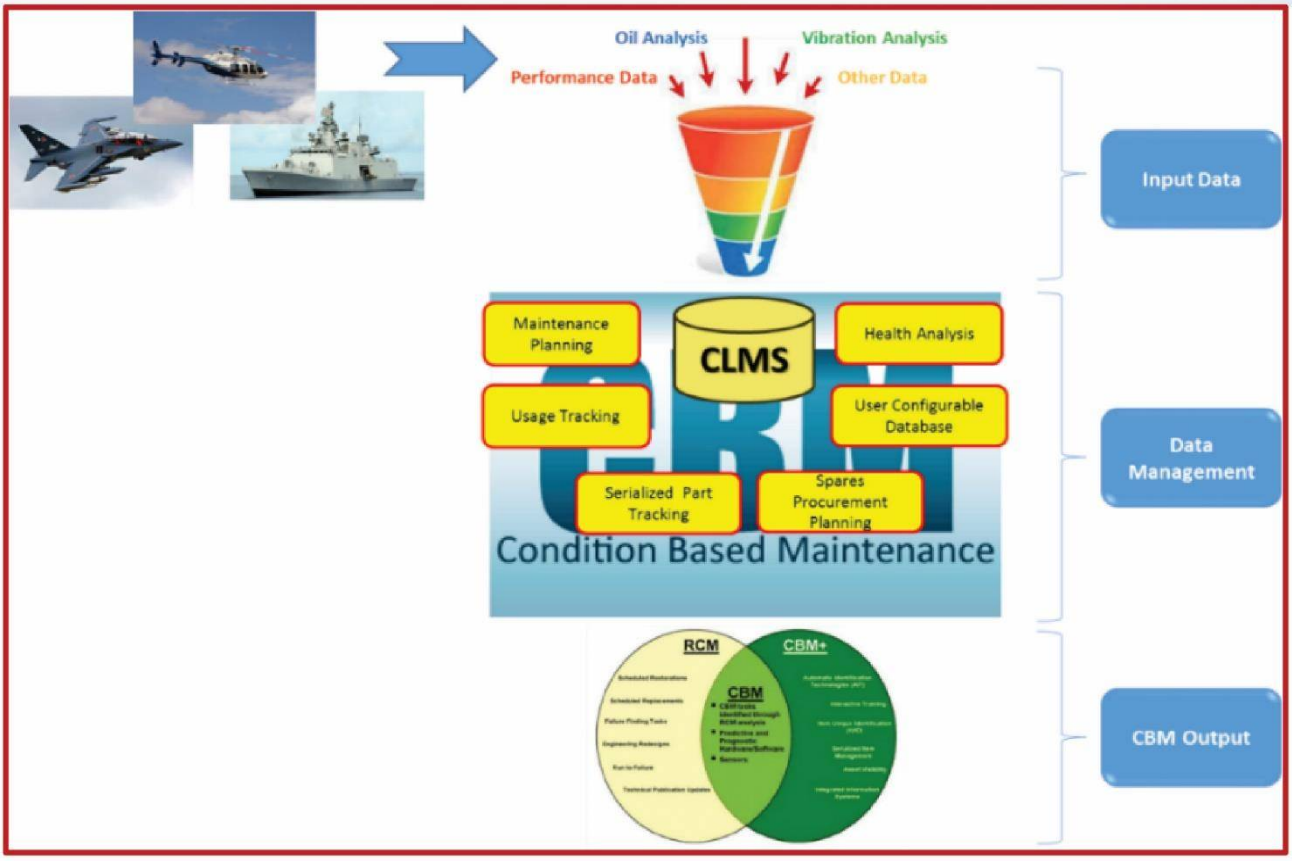
Unlike conventional Electronic Technical Manual that converts and transfers the technical manual into electronic forms, we utilize interactive elements to further enhance the information stored. Hyperlinks are placed within the pages of an IETM, which allows a user to cross-reference a topic between separate manuals. Interactive scalable graphics and other media are included to allow for further expansion of a subject. The electronic nature of IETMs can be deployed on Notebook, iPad and the Internet for easy use and integration of future updates.

CBM
(Condition Based Maintenance)

CLMS (Component Life Monitoring System) is a smart system using CBM methodology which can forecast incipient failures to the monitored component and sub component system of an asset by using a **Condition Based Maintenance (CBM)** methodology. CLMS is an application of health monitoring systems in the prediction and prevention of detectable component failures.

In contrast to the long-held practice of preventive maintenance, in which parts are inspected and replaced at scheduled intervals. It's a maintenance strategy that uses the actual condition, or only when there is objective evidence of need of the asset to decide what maintenance needs to be done, while ensuring safety, equipment reliability, and reduction of total ownership cost.

CLMS dictates that maintenance should only be performed when certain indicators show signs of decreasing performance or upcoming failure. As a maintenance strategy, CLMS is of interest because it can optimise one maintenance programs by decreasing false alarm and preventing unnecessary maintenance. Therefore, operational readiness and assets reliability will be improved, while the maintenance cost will be decreased.



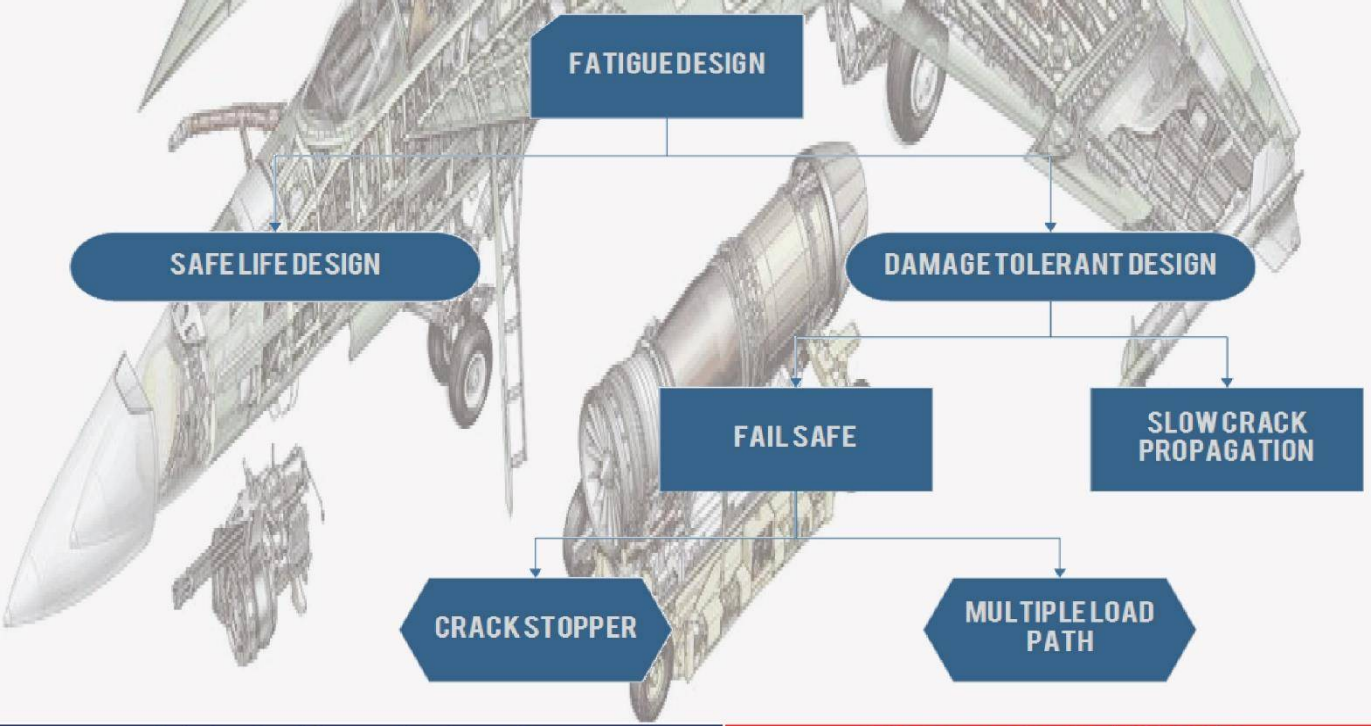
ASI
(Aircraft Structural Integrity)

An overview of the aircraft design and maintenance process is given with specific emphasis on the fatigue design as well as the phenomenon of the ageing aircraft observed over the life cycle. The different measures taken to guarantee structural integrity along the maintenance process are addressed. The impact of structural health monitoring as a means of possibly revolutionizing the current aircraft structural monitoring and design process is emphasized.

The effectiveness of any military force depends in part on the operational readiness of weapon systems. One major item of an air vehicle system that affects its operational readiness is the condition of the structure. The complete structure, herein referred to as "the airframe," includes the fuselage, wing, empennage, landing gear, control systems and surfaces, engine section, nacelle, air induction, weapon mount, engine mounts, structural operating mechanisms, and etc. The capabilities, condition, and operational limitations of the airframe of each air vehicle weapon and support system must be established to maintain operational readiness. Potential structural or material problems must be identified early in the life-cycle to minimize their impact on the operational force, and a preventive maintenance program must be determined to provide for the orderly scheduling of inspections and replacement or repair of life-limited elements of the airframe. The overall program is to provide aircraft with the required airframe structural characteristics referred to as the Aircraft Structural Integrity Program, or "ASIP".

The primary purposes of the ASIP are to:

establish, evaluate, and substantiate the structural integrity (airframe strength, rigidity, damage tolerance, and durability) of aircraft structures;
acquire, evaluate, and apply operational usage data to provide a continual update of the structural integrity of operational air vehicles;
provide quantitative information for decisions on force structure planning, inspection, modification priorities, and relate operational and support decisions; and
provide a basis to improve structural criteria and methods of design, evaluation, and substantiation for future air vehicle systems and modifications.



DORMS

DIGITAL OPS ROOM MANAGEMENT SYSTEM

PILOGS

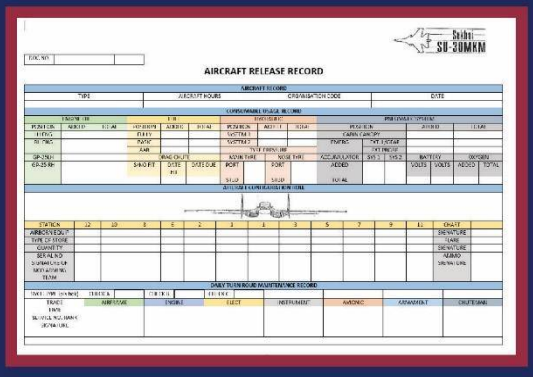
PILOT LOG SYSTEM

PILOT LOGS & FLYING MANAGEMENT

OPS Room Management Solution

The Rev-Squad System is developed locally and supplied by SAB System Sdn Bhd for RMAF Fighter Aircraft SU-30MKM Operating Room. Configuration of the system can be customized according to user requirements and needs.

The system is developed focusing on modernized a systematic ops room management system using current digital technology which able to provide aircraft operational status, management of pilot's aircraft flying hour, management of pilot's training hour and others (based on user requirements). This will directly help to increase efficiency and the effectiveness of data management.

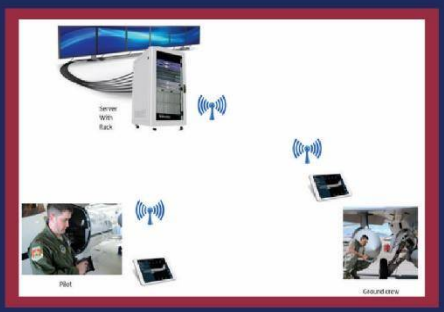


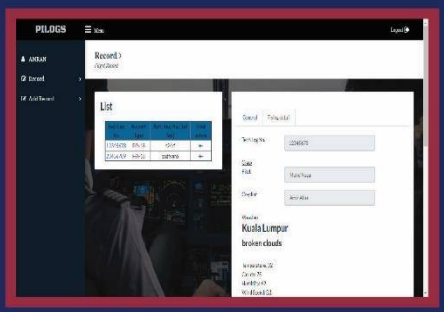
The system can be divided into 6 core modules:

1. Display and manage pilot's activity
2. Display and manage aircraft' activity
3. Display and manage pilot's simulator activity
4. Data entry and data management
5. Reporting tools and formatting according to RMAF needs
6. Database Management

The reports and current status from the system will be displayed on main LCD screen for RMAF reference purposes and actions.

An alert system is part of the developed modules in the system that act as reference and reminder for RMAF such as pilot's flying schedule, aircraft's maintenance schedule and others.





With a solid combination of more than 100 man years of experience, the team is exposed to multiple scopes of project and sales, particularly in the CBM and ICT area. The experiences are a combination of prior as well as since forming SABSYS. Our team has successfully been involved and experienced in the sales and implementation of various projects and activities

- **Condition Based Maintenance (CBM)** and **Aircraft Structural Integrity Program (ASIP)** for the RMAF F/A-18D Hornet, MiG-29 Fulcrum, Hawk Mk 108/208 and also the C-130-H. Our CBM concept and technology have been developed since 1997. With the vast experience we had, we can be depended upon in implementing the concept in place.

- Development of 3D Interactive CBT for Virtual Learning for '**Institut Kemahiran Tinggi Belia Negara (IKBN)**' in various courses such as Automotive, Marine, Commercial Vehicle, Earth Moving Vehicle, HVAC, Spray painting and penal Beating

- Rearrange the algorithm for **MiG's SCAT** software. The task includes study the requirements, initiated the reverse engineering, study the 'secured key' algorithm and developed the virtual secured key.

- Involved and experienced in maintaining **Scorpene Simulator and CBT**. The task includes check, diagnosing, troubleshooting and repairing the simulator system.

- Experienced in servicing the **RMAF's HAWK** Test Equipment. The task includes troubleshooting, diagnosing and repairing/replacing component parts.

- As a consultant for local company to propose the technical and system application for CBM and ship data management for RMN's frigates. The task includes, proposal for the hardware integration, data transfer, data management, health data analysis and smart troubleshooting tool.

- As a consultant for local company to provide the solution for RMN's helicopter. The task includes data collection, data management, inventory and maintenance & management records.

- Experienced in open source solution. The task involved the development for content management system (CMS), electronic document system, human resource management (HRM), Leave management and etc.

- Involved and experienced in system maintenance and operation for **F/A-18D** WTT Simulator and Computer Based Training (CBT Aircrew & Groundcrew), Mission Planning System (MPS) and Map Station, Cockpit Video Recording System (CVRS), Memory Unit Tactical Aircraft Training System (MUTACTS) and Equipment Condition Monitoring System (ECMS).

- Experienced in system development, operation and maintenance for **SU-30MKM** simulator and its infrastructure.

PROJECT EXPERIENCE

SYSTEM DEVELOPMENT , NETWORK INFRASTRUCTURE, SYSTEM INTEGRATION & MAINTENANCE

- Pembekalan, Penghantaran, Pemasangan, Pengujian Dan Pentauliahan Peralatan Rangkaian Dan Keselamatan IPV6 Serta Pengkabelan Di Kementerian Dalam Negeri – (Project Value : RM 17,000,000.00)

- Membekal, Menghantar, Memasang, Mengkonfigurasi, Menguji Dan Mentauliah Infrastruktur Tulang Belakang (Backbone) Dan Rangkaian Tanpa Wayar Di Kompleks Rawatan Ibu Dan Bayi, Hospital Tengku Ampuan Rahimah, Klang – (Project Value : RM 359,840.00)

- Tender Pembekalan, Penghantaran, Pemasangan, Pengujian Dan Pentauliahan Sistem Rangkaian, Pengkabelan Dan IP-CCTV Di Badan Pengurusan Bersama JMB “PK SEK:7 COMMITTEE” – (Project Value – RM 340,666.00)

- Penyelenggaraan Sistem Pendaftaran Kapal, Sistem Pendaftaran Kapal Layar Antarabangsa Langkawi, Sistem Perlesenan Bot & Sistem Perakuan Insuran Kapal Untuk Jabatan Laut Malaysia – (Project Value : RM 202,106.17)

- Perkhidmatan Menaiktaraf Dan Menambahbaik Sistem Maklumat Pengurusan Pesalah (SMPP) V2 Di Jabatan Penjara Malaysia – (Project Value : RM 12,495,666.00)

- Tender Cadangan Membekal, Menghantar, Memasang, Menguji, Melatih Dan Mentauliah Perkakasan Dan Perisian Wifi 13 Buah MRSM, Majlis Amanah Rakyat (MARA) – (Project Value : RM 2,327,979.00)

- Membekal Alat Ganti Fiber Optik Foxcom Untuk Kegunaan Seksyen Perkhidmatan Penyiaran Satelit, Kementerian Komunikasi Dan Multimedia – (Project Value : RM 19,734.00)

- Kerja Pemasangan Wifi Di Jabatan Pengajian Umum Di IKTBN Dusun Tua, Kementerian Belia Dan Sukan Malaysia – (Project Value : RM 28,110.00)

- Pembaharuan Perkhidmatan Penyelenggaraan Cisco Firewall (ASA) Untuk Tempoh Dua (2) Tahun Mulai 1 September 2019 Hingga 31 Ogos 2021, Lembaga Penggalakan Pelancongan Malaysia – (Project Value : RM 60,430.00)

PROJECT EXPERIENCE

SYSTEM DEVELOPMENT , NETWORK INFRASTRUCTURE, SYSTEM INTEGRATION & MAINTENANCE

- Tender Membekal, Menghantar, Mengkonfigurasi, Mengujiguna Dan Pentauliahan Peralatan ICT Bagi Cose, Transformasi Dan IR4.0 Ke Sepuluh (10) Institut Latihan Jabatan Tenaga Manusia (ILJTM), Jabatan Tenaga Manusia, Kementerian Sumber Manusia – (Project Value : RM 1,237,620.00)

- Tender Membekal, Menghantar, Mengkonfigurasi, Mengujiguna Dan Pentauliahan Peralatan ICT Bagi Cose, Transformasi Dan IR4.0 Ke Enam Belas (16) Institut Latihan Jabatan Tenaga Manusia (ILJTM), Jabatan Tenaga Manusia, Kementerian Sumber Manusia – (Project Value : RM 320,215.00)

- Penyelenggaraan Sistem Pendaftaran Kapal, Sistem Pendaftaran Kapal Antarabangsa Langkawi Sistem Pendaftaran Insurans Kapal Sistem Perlesenan Bot Dan Sistem Continuous Synopsis Record Untuk Jabatan Laut Malaysia – (Project Value : RM 402,801.44)

- Tender Membekal, Memasang, Mengujiterima Dan Mentauliah Peralatan Virtual Learning Di Institut Kemahiran Belia Negara, Kementerian Belia Dan Sukan Dengan Usaha Sama i-MPV System Sdn Bhd - (Project Value : RM 5,500,000.00)

PROJECT EXPERIENCE

SUPPLY AND DEVELOPMENT OF TRAINING, LEARNING AND TEACHING EQUIPMENTS & SIMULATORS

- Membekal, Memasang, Menguji Terima Dan Mentauliahkan Peralatan Latihan Bagi Memenuhi Keperluan Kursus Teknologi Hijau (HYBRID) Dalam Bidang Automotif Di Institut Kemahiran Tinggi Belia Negara (IKTBN) Chembong, Negeri Sembilan – (Project Value : RM 2,503,666.00)

- Menaiktaraf Perkakasan Sistem Pemerolehan Data Peralatan Pengujian Dan Pengukuran Di Makmal AIT, Agensi Angkasa Negara – (Project Value : RM 19,555.00)

- Membekal, Menghantar, Memasang Mengujitauliah, Latihan Dan Menyelenggara (Dalam Tempoh Jaminan) Peralatan Tambahan Untuk Makmal-Makmal Pusat Keselamatan Siber, Universiti Pertahanan Nasional Malaysia – (Project Value : RM 97,701.00)

- Supply, Installation, Testing And Commissioning Of Simulation And Model Based Development Software For Product Design And Development For Robotic Application, Sirim Berhad – (Project Value : RM 357,500.00)

- Menaiktaraf Sistem Keselamatan Di Fasiliti Assembly, Integration And Test (AIT), Pusat Angkasa Negara, Agensi Angkasa Negara – (Project Value : RM 157,219.00)

- Perkhidmatan Kursus Adobe After Effect Di Markas Tentera Udara – Latih – (Project Value : RM 20,500.00)

- Sebut Harga Naik Taraf Sistem GPS Time Server, Agensi Angkasa Negara – (Project Value : RM 64,000.00)

- Cadangan Membekal, Menghantar, Memasang, Mengujilari Dan Mentauliah Peralatan Latihan Dan Pembelajaran Bagi Program " Bachelor Of Engineering Technology In Offshore Engineering" Universiti Kuala Lumpur – Malaysia Institute Of Marine Engineering Technology (UniKL MIMET) – (Project Value : RM 732,480.00)

- Cadangan Membekal, Menghantar, Memasang, Mengujilari Dan Mentauliah Peralatan Latihan Dan Pembelajaran Bagi Program " Bachelor Of Engineering Technology In Offshore Engineering" Universiti Kuala Lumpur – Malaysia Institute Of Marine Engineering Technology (UniKL MIMET) – (Project Value : RM 25,400.00)

PROJECT EXPERIENCE

SUPPLY AND DEVELOPMENT OF TRAINING, LEARNING AND TEACHING EQUIPMENTS & SIMULATORS

- Hybrid Vehicle Simulator Trainer Panel At Kolej Komuniti Kepala Batas – (Project Value : RM 64,000.00)
- Tender Bagi Membekal, Menghantar, Memasang, Mengujiguna Dan Mentauliah Peralatan Akademik, Jabatan Kejuruteraan Elektrik Ke Politeknik Tuanku Sultanah Bahiyah, Kementerian Pendidikan Malaysia – (Project Value: RM 13,200.00)
- Tender Bagi Membekal, Menghantar, Memasang, Mengujiguna Dan Mentauliah Peralatan Akademik Jabatan Kejuruteraan Mekanikal, Politeknik Kota Kinabalu, Sabah – (Project Value : RM 28,210.00)
- Tender Bagi Membekal, Menghantar, Memasang, Mengujiguna Dan Mentauliah Peralatan Akademik Untuk Jabatan Kejuruteraan Eletrik Politeknik Kota Bharu, Kementerian Pendidikan Malaysia – (Project Value : RM 29,900.00)
- Tender Bagi Membekal, Menghantar, Memasang, Mengujiguna Dan Mentauliah Peralatan Akademik, Jabatan Kejuruteraan Mekanikal Ke Politeknik Tuanku Sultanah Bahiyah, Kementerian Pendidikan Malaysia – (Project Value : RM 238,315.00)
- Tender Membekal, Menghantar, Memasang, Mengujiguna Dan Mentauliah Peralatan Akademik Jabatan Kejuruteraan Elektrik (JKE) Ke Politeknik Kuching Sarawak, Kementerian Pendidikan Malaysia – (Project Value : RM 1,661,724.00)
- Tender Bagi Membekal, Memasang Dan Mengujilari Peralatan Akademik Di Jabatan Kejuruteraan Elektrik Politeknik Seberang Perai, Kementerian Pendidikan Malaysia – (Project Value : RM 60,895.00)
- Cadangan Membekal, Menghantar Dan Mengujilari Mesin Dan Peralatan Bengkel Dan Makmal Fakulti Kejuruteraan Mekanikal, UiTM Cawangan Johor Kampus Pasir Gudang – (Project Value : RM 223,320.00)
- Cadangan Membekal, Menghantar, Memasang,Mengujilari Dan Mentauliah Peralatan Latihan Dan Pembelajaran Bagi Program “Sijil Professional Teknologi Rel (Mirail)” Universiti Kuala Lumpur – Malaysia Italy Design Institute (UniKL MIDI) – (Project Value : RM 4,748,415.00)

PROJECT EXPERIENCE

SUPPLY AND DEVELOPMENT OF TRAINING, LEARNING AND TEACHING EQUIPMENTS & SIMULATORS

- Sebut Harga Bagi Perkhidmatan Kalibrasi Semula Particle Fall-Out Meter Di Kompleks Teknologi Angkasa, Agensi Angkasa Malaysia (MYSA), Banting, Selangor – (Project Value : RM 29,900.00)

- Sebut Harga Bagi Pembekalan Alat Ganti / Peralatan Pakai Habis (Consumable Spare Part) Sistem Sokongan Bagi Pengoperasian Stesen Bumi Dan Makmal Bilik Bersih Di Kompleks Teknologi Angkasa, Agensi Angkasa Malaysia (MYSA), Banting, Selangor – (Project Value : RM 52,980.00)

- Membekal, Menghantar, Memasang, Mengujitauliah, Latihan Dan Menyelenggara Pusat Simulator Pesawat Terbang (FSC), Fakulti Kejuruteraan, Universiti Pertahanan Nasional Malaysia – (Project Value : RM 1,218931.42)

- Cadangan Membekal, Menghantar, Memasang, Mengujilari Dan Mentauliah Peralatan Latihan Dan Pembelajaran "Static Flight Simulator" Untuk Universiti Kuala Lumpur – Malaysia Institute Of Aviation Technology (UniKL MIAT) Kampus Subang – (Project Value : RM 2,915,000.00)

We believe in strengthening our business capabilities through ensuring high commitments with our business associates and joint partners as well as strong support from principals, Manufacturers and technology providers

We improve ourselves by exploring into further 'technology based' business solutions as well As other promising and potential areas in the market. Some of our strategic business partners

COOPERATION

COBHAM

CPI Communications & Power Industries

easat RADAR SYSTEMS

ADVANTECH WIRELESS A Baylin Technologies Company

nGRAIN

KRATOS READY FOR WHAT'S NEXT

ORBITAL CONNECT

CISCO

GENERAL DYNAMICS

Norsat International Inc.

Juniper NETWORKS

Allied Telesis

Cyber Intelligence

SCIENCE AND INNOVATION FIRM Crypton

MDA

3com

DELL

FUJITSU

IBM

hp

ORACLE

symantec

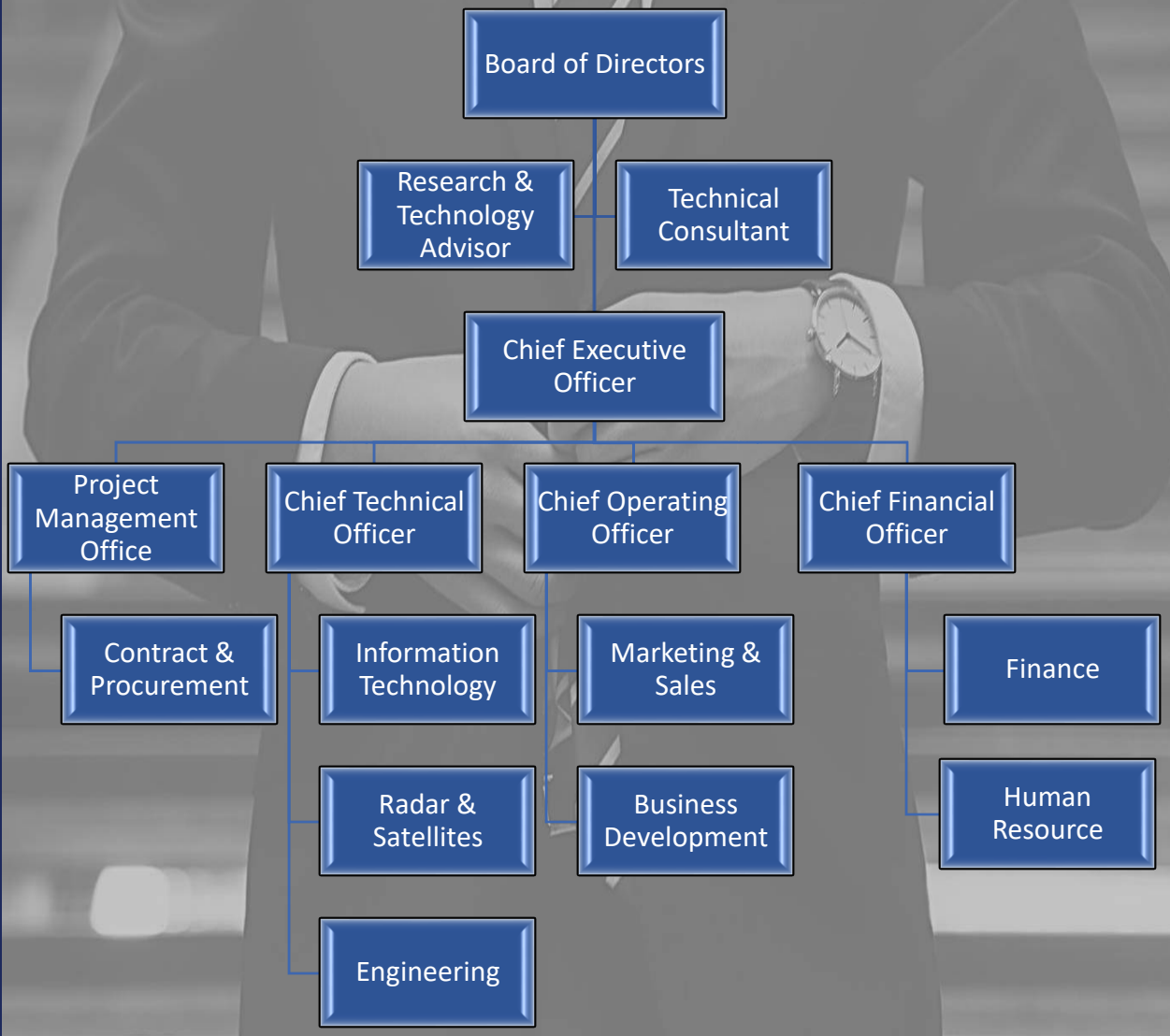
GASTOPS

FORTINET


Management Team

MANAGEMENT TEAM

The management team comprises a blend of experienced professionals that forms a combination of more than 100 years of working experience. Their combined wealth of exposure in various disciplines brings together a team that has capability to deliver every project we undertake effectively and efficiently



KAMARUL AZEMI MAKHTAR

Chief Executive Officer

Graduated from University of Portsmouth, United Kingdom with BA (Hons) Accounting, he has played a key role of executive leadership in the company's growth. As a CEO, he is responsibly overseeing Strategic Business Accounts, Strategic Projects, Strategic Sales & Marketing, Products and Partners for the company.

With over 18 years of experience under his belt. A result driven, self-motivated and resourceful CEO with a proven ability to develop and strengthen management team in order to maximize company profitability and efficiency, makes him the perfect candidate to run a day-to-day running of the business for the company.

His entrepreneurial with commercial acumen and excellent management skills will surely help to cultivate the company reputation in the market and ensuring that the business continues to grow. His experience in management and contract financing, Kamarul Azemi brings on his knowledge to SABSYS to further improve the company's business and financing operations.

MOHD ASRI MAHMUD

Chief Technical Officer

With over 18 years of mechanical and aerospace engineering and ICT experiences, Mohamad Asri brings in a rich blend of experience spanning within the Aviation, Oil and Gas, Logistics and the Education sector. Upon obtaining his Electrical engineering studies in Universiti Teknologi Malaysia (UTM), he served in variety of local and multi-national corporations as well as government-linked outfit.

The first half of his career were focused into application and software development projects including MRO, CBM, Resources Management and Open Source solutions. He later progressed into management, handling various ICT projects such as application development, system and data migration and system integration. In total, he had successfully secured, negotiated and managed various Application Development and Turn Key projects worth over RM100 million.He experiences in software development for aviation and military sector, such as data integration, aircraft data management, maintenance management, pilot record system and aircraft structure integrity applications.

MOHD AZHAN JUSOH

Director - Project Management & Contract Administration

Certified in Project Management & Contract Administration, Teeside Tertiary College, Middlesbrough, U.K. Certified Information Technology Architect Foundation (CITA-F) and registered as Professional Engineer with Board of Engineers Malaysia (BEM).

Experienced and highly motivated Information & Communication Technology (ICT) professional with expertise in design, planning, project management and implementation of large scale ICT infrastructure. More than twenty (20) years of success as a project manager and an ICT consultant with superior Project Management and implementation skills. Strong client relationship, management skills and in-depth understanding of information technologies. Proactive team builder who excel in strategic planning, problem solving, turnaround management and innovative process improvement

MOHD NOR ALIAS BAHAROM

Chief Financial Officer

He was graduated from University Ibn Tofayl, Kenitra, Kingdom of Morocco with major in Islamic Finance. The comprehensive educational background in finance has proven the ability to manage the stability of company's financial plan consistently.

5 years of experience in banking field and another 10 years in project financing and company development experiences has adapted him the work capacity from front office to back office with qualitative skills in managing company's financial operation. His exposure towards various business clients helps him to understand the business financial needs, be it in trade & supply, construction, services amongst others.

Experienced in covering swift alliance system and payment system for all group offices in Mesa and Africa has further improved negotiating skills in guiding colleagues towards excellent understanding. Besides, the involvement in processing and approving relevant transaction has promoted enormous skills in justifying decision with a sense of accountability.

DR. NAFIZAH GORIMAN KHAN

TECHNICAL CONSULTANT

Academic Qualification:

- PhD in Microwave Engineering (University of Leeds, United Kingdom)
- M.Sc (Eng) in Radiocommunications and High Frequency Engineering (University of Leeds, United Kingdom)
- B.Eng (Hons) in Electronics and Computer Engineering (Universiti Putra Malaysia, Malaysia)

Membership in Professional Associations/Institutions:

- Chartered Engineer registered with the United Kingdom Engineering Council.
- Member of Institution of Engineering and Technology United Kingdom.
- Radio Astronomy Frequency Committee in the Asia Pacific (Regional).

Working Experiences:

2011 – Present	: **Lecturer (University of Leeds, United Kingdom)** Department of Electrical and Electronics Engineering
2008 – Present	: **Consultant** Space Systems and Telecommunications Electromagnetic Compatibility, Interference and Grounding
2003 - 2008	: **Director for Space Operations and Space System** Malaysian Space Agency (ANGKASA)
1999 – 2003	: **Senior Engineer** Astronautic Technology (M) Sdn Bhd
1998 – 1999	: **Research Officer** Sirim Berhad
1993 – 1998	: **RF Test Engineer** Motorola Semiconductor

Publications and Research Specifics:

- Nafizah G. Khan, "Satellite Orbits and Spectrum Usage and Management: Challenges for Malaysia", ASM Sc. J., Vol. 12, Special Issue 2, 2019
- R. I. Sabitu, Nafizah Goriman Khan and A. Malekmohammadi, "Recent Progress in Optical Devices for Mode Division Multiplex Transmission System," Opto-Electronics Rev., 2019
- Asma Mohammad Nusrat Aman, Roselina Arelhi and Nafizah Khan, "Studying the Effects of Disturbance Torques on a 2U CubeSat in Low Earth Orbits", Journal of Physics Conference Series, Jan 2019
- Li Li Lim, David Wee Gin Lim, Nafizah Goriman Khan, Soo Yong Lim, "A Strategically Accurate and Optimised FPGA Architecture for Performance Gain in Turbo Decoders in Deep Space Networks", Journal of Engineering Science and Technology Vol. 14, No. 5, 2019.
- C. Ernst, V. Postoyalko and N.G. Khan, "Relationship between group delay and stored energy in microwave filters", IEEE Transactions on Microwave Theory and Techniques Volume: 49 , Issue: 1 , Jan 2001

PROFESSOR DR. MUHD ZU AZHAN YAHYA

RESEARCH AND TECHNOLOGY ADVISOR

Currently a professor at Physic Department of National Defense University of Malaysia (NDU), his vast research experience in physic related really boost in company's research and innovation process. His ideas and knowledge can fuel the company's capability in advancing its technology know-how.

Academic Qualification:

- Ph.D. (Advanced Materials) (Mac 2000- Jun 2002) - University of Malaya.
- M.Sc. in Physics (Jun 1998- Jun 1999) - University of Malaya.
- B. Sc (Hons) with Edu. in Physics (1992-96) - University of Malaya

Working Experiences:

2012 – Present	: **Professor** (Physics & Materials Science) Physics Department, Universiti Pertahanan Nasional Malaysia
2008 - 2012	: **Associate Professor** Faculty of Applied Sciences, Universiti Teknologi MARA
2005 - 2007	: **Senior Lecturer** Faculty of Applied Sciences, Universiti Teknologi MARA (UiTM)
1999 (May) -	: **Lecturer** Department of Physics, Faculty of Applied Sciences, UiTM
1996 (Sep) - 1999 (Apr)	: **Lecturer**, L&G Twintech Institute of Technology - HND BTEC (De Monfort University Twinning Program) Coordinator, Mech. & Manufacturing Program, Univ. of Portsmouth, UK
1996 (May) - 1996 (Aug)	: **Physics Lecturer** Kolej Yayasan Pelajaran MARA, Bangi (Matriculation Program, UKM)

Services to the University and Professional Memberships:

- **Deputy Dean** (Research & Industrial Networking), Faculty of Applied Sciences, Universiti Teknologi MARA, (Jan 2009 – Dec 2010).
- **Research Fellow**, TM R&D (EMC & Power Quality Programmer), (01 Jan 2011 – 30 Apr 2011)
- **Head of Program AS203** - Physics (Feb 05 – Jan 09)
- **Head, Centre of Advanced Materials,** Institute of Science, UiTM (Jan 2007 – Feb 2012)
- **Captain, Territorial Reserved Army, ROTU UiTM**. (Jan 2003 – present)
- **Head, Ionics Materials & Devices (i-MADE) Research Group** (Jan 2003 – present)
- **Council Member** of Institute of Materials Malaysia (IMM): 2006-2008.
- **Member** of Institute of Materials Malaysia (IMM): 2006- present.
- **Life Member** of Malaysian Solid State Science and Technology Society (MASS): Since 2007
- **Member** of Malaysian Institute of Physics: Since 2003
- **Member** of International Society of Solid State Ionics (ISSS): 2005-present.
- **Member** of Malaysian Analytical Science Society: 1999- present.
- **Assessor**, Lab Accreditation STANDARDS MALAYSIA: Jun 2009 – present.

TUAN MOHD IKHWAN BIN TUAN YACOB

TECHNICAL MANAGER

Academic Qualification:

- Bachelor Engineering (ELECTRICAL) (Universiti Teknologi Malaysia)
- A-Level Science Physics (Kolej Matrikulasi Perak)
- Mechanical Engineering (Sijil Pelajaran Malaysia)

Course Attend:

- ISO 9001-2008 Quality Management System Requirement
- Occupational Safety and Health Awareness (OSHA).
- Working At Height (WAH)
- M&C Zodiac HDR and CRT Training at Les Ulis, France
- Ground Station Viasat Training at Atlanta, US
- Green Card Construction Industry Development Board (CIDB)

Working Experiences:

2018 – 2020 : **Senior Engineer cum Manager**
Zaccom Services Sdn Bhd
Involvement in support System Network Operation Centre for Earth Station Satellite for MINDEF X-BAND

2016 – 2018 : **Engineer**
Mindmatics Sdn Bhd
Involvement in support System Operation for System Microwave and Satellite.

2015 - 2016 : **Electrical and Telecommunication Engineer**
Innovative Mapping Solution Sdn Bhd
Lead Engineer for Project Ground Station at Pusat Angkasa Negara, Malaysia

2012 – 2015 : **Maintenance Engineer**
Advance Air Traffic Systems (M) Sdn Bhd
Doing Maintenance and Preventive Maintenance at site for equipment Radar and Radio.

2011 – 2012 : **Project Engineer (Electrical)**
Carpeton Industries Sdn Bhd
Joint Project Electric Double Track Project (EDTP) at Tunnel Padang Rengas,Perak.

DR. FATIMAH KHAIRIAH ABD HAMID

LEAD ENGINEER, SIGNAL PROCESSING

Academic Qualification:

- Doctor of Philosophy (Electrical Engineering) (Universiti Teknologi Malaysia)
- Master of Philosophy (Electrical Engineering) (Universiti Teknologi Malaysia)
- Bachelor of Engineering (Electrical-Electronic) (Universiti Teknologi Malaysia)

Award and Achievements:

- Best Presenter Award- 2019 IEEE Regional Symposium on Micro and Nanoelectronics (RSM 2019)
- Dean Lists for whole semesters (1st - 8th Semester) in Faculty of Electrical Engineering
- Contributed to grant preparation and secured a grant application under FRGS, RM 89 000 (KPT)

Membership in Professional Associations:

- Board of Engineers (BEM) in Electronic
- The Institute of Electrical and Electronics Engineering (IEEE)

Working Experiences:

2020 - Present : **Research Officer at School of Electrical, UTM, Johor**
Actively involved with publications such as for book chapter, journal and conference related to nano-material electronic device and MEMS-based related device.

2016 – 2020 : **Researcher postgraduate at School of Electrical, UTM, Johor**
Develop and optimize the mathematical model for an advance transistor device for CMOS application

2014 – 2016 : **Senior Analog Mixed Signal Circuit design engineer (analog) at Ascend Microsystems**
Worked closely with the scripting files such as perl script (tcl) and linux which will be used to access and integrate them with compiler tools for memory release.

2013 – 2014 : **Circuit engineer at ALTERA**
Designed and enhanced the Phase Lock Logic circuit using H-SPICE for the FPGA application.

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Fax : +603-7859 7829
www.sabsystem.com.my