

LIMA 2011 Exhibit at Mahsuri International Exhibition Centre (MIEC) Langkawi Island (December 6-9,2011): Photo documentation Report and Some Insights



OBJECTIVES:

1. To participate in all the programme of activities that LIMA 2011 offers for interested delegates and meet the contact persons responsible for the activities, events, and/or papers presented for network opportunities for Philippine Navy in terms of research, capability building, defense and other maritime projects
2. To visit booths and collect their respective brochures, data and information needed for the modernization of Philippine Navy
3. To interview exhibitors for any new developments or best practices that may be applicable in the Philippines, be it in ships, boats, equipments, education, research, community outreach, environment, tourism, etc
4. To network with co-researchers, educators, business and other key players

EXECUTIVE SUMMARY

This 30-page report presents the various significant and unique events that I had experienced, witnessed, observed and participated. This report is inclusive but not limited to the booths visited from December 6 to 9, 2011 with relevant information, brochures or pamphlets, business cards (email and contact addresses and websites) collated during the said visit.

LIMA 2011 certainly had successfully created spectacular and well-thought of trade show segments that reflected the developments, continued diversification of the markets, ongoing specialization in the aerospace and maritime sectors that increasingly led to the formation of independent business sectors in Malaysia, truly worthy of emulation.

I have categorized my observation into major **SEVEN amazing events** (unique encounter with dignitaries, LIMA helicopter and aircraft exhibits, unmanned vehicles exhibit, maritime and aerospace conferences, technology innovation workshops, 2-day career programme and the participating booths) which are listed below and briefly presented. My gratitude to Philippine Navy, MAAP, Dignitaries/CEOs and various exhibitors for the honor, courtesy and goodwill which shall forever leave a mark in my memories and heart forever. The report ends with conclusion and recommendations with some insights or reflections.

1. UNIQUE ENCOUNTER WITH DIGNITARIES

Unexpectedly, I have met, conversed and have had photo with top personalities both from the Philippines and Malaysia, including the well-known personalities/CEOs at the various exhibits.

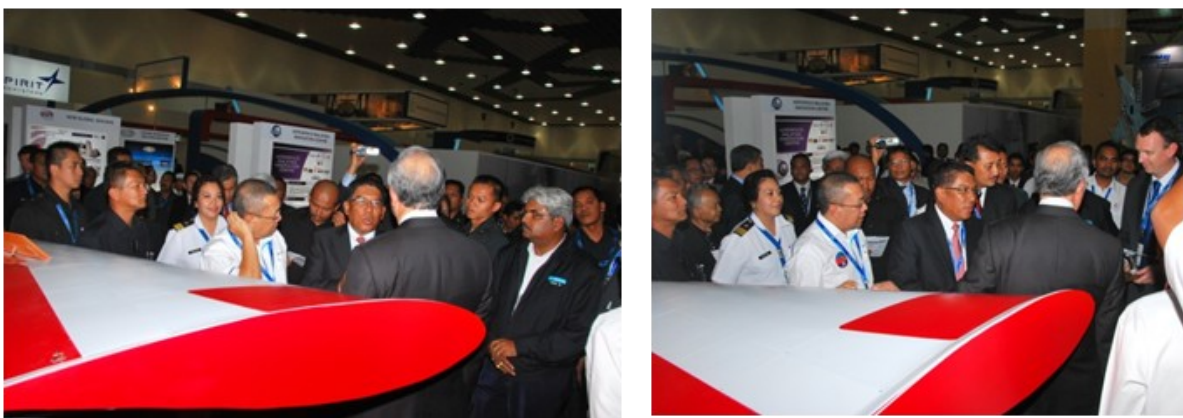
Top officials of the Philippine Navy

At the Booth of Boustead, learned that VICE-com had just left few minutes earlier, I intentionally looked for our PN leaders for courtesy greetings at LIMA 2011 Exhibit inside the MIEC at Langkawi Malaysia and had the honor to have photos with them. FOIC VAdm Pama as one of the awardees in Malacañang could not attend; hence, he was ably represented by Vice-com RADM Orwen Cortez



At MIEC, Langkawi Malaysia, souvenir photo with ViceCom RearAdm Orwen Cortez and Commo Tejada, PN and a group photo with Commo Tejada and my team.

The Malaysia's Hon Prime Minister



Being at the booth even before he arrives, I thought he was the owner of the company and was promoting the products and services; I listened and noted that he had expressed his confidence in Malaysia's ability to make a mark in the shipbuilding and ship repairing industry. In highlighting the importance of the heavy industries to Malaysia's economy, he emphasized that technology-intensive sectors such as ship-building and ship repairing, as well as aerospace maintenance, repair and overhaul (MRO) in the aerospace industry, had contributed significantly to Malaysia's economy.



With Prime Minister Datu Seri Najib Razak and one of his trusted staff

Later, I found out that he was the **Prime Minister Datu Najib Razak**, because when he left, I was congratulated by many, who have seen me walking and standing side by side with Presidential security guards (PSG) and none of them was driving me away as if I was one of them, while I was looking at the exhibit with PM Najib around (not knowing he was the Prime Minister as I learned only belatedly). No wonder that he spoke well about Malaysia because he is Malaysia's prime minister, responsible for its successful initiatives and developments under his executive leadership and ministry.

Malaysia's Hon. Minister of Defense

Upon arrival at the MIEC site on **December 7, 2011**, photo below shows I, LCDR Angelica Baylon, PN (Res) being acknowledged and congratulated by the defense Minister for being fortunate as he saw me having had photo with his Prime Minister Najib yesterday



On **December 8, 2011** evening for the 3rd time, **during the International Cultural night, the Hon. Defense Minister Of Malaysia as Guest of Honor**, at the Philippines' booth at Hotel Awana showcasing the Philippine cuisine, the Minister of Defense smiling had acknowledged me, LCDR Baylon once again pointing to himself, he said "*you had photo with me yesterday*" (also at the background photo smiling – Commanding Officer of PS35 Cdr Paba, PN and Head of LIMA 2011 Task Group and former CO Cdr Cesista, PN)



Dato' Seri Dr. Ahmad Zahid Hamidi (in Malaysian Formal Batik attire, which match the color scheme of the Philippine booth) is currently the Minister for Defense in the Barisan Nasional coalition government of Prime Minister Datuk Seri Najib Tun Razak since April 2009, and the Member of the Parliament of Malaysia for the Bagan Datoh constituency in Perak. He is a member of the United Malays National Organisation (UMNO). Early in his political career, **Zahid was a Senator and chairman of Bank Nasional Bernama before becoming the head of UMNO's youth wing.** After the 2004 election, Zahid became a **Deputy Minister** in the government of Tun Abdullah Ahmad Badawi. While a Deputy Minister, Zahid studied and was conferred the degree of **Doctor of Philosophy from Universiti Putra Malaysia.** He served as keynote speaker at LIMA 2011 both at the Air Chiefs Navy Maritime Conference on Dec. 6, 2011, and Air Chief's Conference on Dec. 7, 2011 at MIEC and was Guest of Honor during the International Cultural Maritime Night on Dec. 8, 2011 held at Hotel Awana Porto Malai, Langkawi Malaysia.

It was indeed an honor for me, to be acknowledged by a distinguished personality of Malaysia. Now I know why such an Honorable person was elected, selected and placed in such sensitive and responsible position in his political career.

2.The LIMA Helicopter and Aerospace Showcase



At Porto Malai, Aerial exhibit and booths at MIEC, was participated by international suppliers and operators of helicopters. It was indeed a "show within a show"! I have watched an actual airlift, EMS, disaster control, after sales service, MRO, flight training and the entire field of military applications as each 25 companies presented a perfect marketing platform for all aspects of rotary-wing aircraft and their civil and military applications being described by the voice over.

There were **47 attending aircrafts from 25 companies**: Royal Malaysian Air Force (11), Malaysian Aerobatic team(1), Malaysian Army, Air wing (1), Malaysian Maritime Enforcement Agency(3), Fire and Rescue Department Air Wing (2), Department of Civil Aviation (1), Royal Air Force (1), French Airforce (1), Royal Thai Air Force (1), Royal Australian Air Force (1), US Navy (1), US Pacific Air Force (1), Republic Singapore Air Force (3), Piaggio Aero (1), Boeing (2), Eurocpter (2), Agusta Westland (2), Ruag Aviation (1), Eurofighter (1), Greystein Aerospace Corp(1), Composite Technology Research Malaysia (1), Sikorsky Aircraft Corp (1), FRAS Flying Air Force (5), WB Electronic PLC (1) and Euro (1).

Also, there were **14 aerial display aircrafts participated in by 9 organizations** namely : Royal Malaysian Air Force (4), Malaysian Aerobatic team (1), US Pacific Air Force (1), Royal Air Force(European Typhoon), French Air force (Rafale), Republic Singapore Air Force(1), Boeing (2), Ruag Aviation(1) Eurofighter.

[http://lima.com.my/pdf/List%20of%20Attending%20Aircrafts%20\(2\).pdflist](http://lima.com.my/pdf/List%20of%20Attending%20Aircrafts%20(2).pdflist)

3. The LIMA Unmanned Vehicles Showcase



This provided me a rare chance to observe unmanned systems and technologies and had witnessed top aviation players and key defense powerhouses demonstration and display of their UAV technologies. There were **11 countries with 40 warships and boats participants** from: Royal Malaysian Navy (15 ships), Malaysian Maritime Enforcement Agency (9 ships) and 4 Malaysian companies namely: Leisurecat Sdn Bhd, PPC Marine, D 'Aquarian and Composite Technology Research Malaysia with 6 classes of ships.

Other countries with one participating ships include: Australia, Bangladesh, Brunei, Indonesia, India, Pakistan, Singapore, South Korea, Thailand and USA in addition to Malaysia having the most numbered of participating 4 companies with 30 ships in attendance

4. CONFERENCES (Maritime and Aerospace)

4.1. MARITIME CONFERENCE

<http://lima.com.my/maritime-conference.html>)

Chiefs of Navy Roundtable Talk: Maritime Security in the Gulf of Aden: Enhancing Cooperation and Collaboration (Dec 6, 2011, 1400H-1630H MIEC)

Admission is free provided one registers and the same is submitted to the Royal Malaysian Navy Headquarters Plans and Operations

Division Ministry of Defense Jalan Padang Tembak 50634 KUALA LUMPUR (Attention: **LCdr Ahmad Redhuan bin Osman RMN**) or for any queries and assistance, contact AZLIN AMIN at mobile number +60-4142-1699 and email address azlin@hwlima.org



This is one of the interesting activities wherein the Admirals from Philippines (**FOIC Vadm Alexander Pama** ably represented by Radm Orwen Cortez), Chief of Malaysian Royal Navy **Adm Jaafar**, Chief of Royal Australian Navy **Adm Griggs**, Commander of the US Pacific Fleet **Adm Walsh**, Chief of Republic of Singapore Navy **RAdm Peng**, and Chief of Staff of Indonesian Navy **RAdm Soeparno** as resource speakers, had explored the complexities of international anti piracy operations in the Gulf of Aden, highlighted the measures available to combat piracy from onboard defense systems to naval deployments, examined complexities of existing international maritime laws prohibiting pre-emptive strikes on pirates, formulated positive recommendations to curtail further increases in piracy--not just off East Africa, but worldwide. It had also explored shortcomings anti piracy operations globally and had suggested measures to boost co-operation to guarantee international waterways are protected for vessels. One of the most applauded and appreciated presentation on piracy was by **RAdm Orwen Cortez from the Philippines** for his well delivered presentation.

I definitely gained insight and focus on the current and future defense and security priorities facing the Gulf Of Aden and had noted a mix of informed views and opinions from leading regional and international experts in their field. The topic on piracy reminded me of the overwhelming predicament in the maritime world topics wherein topics on piracy and the means to combat it was also thoroughly discussed during the 12th Asia Pacific Manning and Training Conference on Nov 16-17, 2011 held at Sofitel Philippine Plaza Manila. In both events which I attended, I certainly agree with all the opinions and ideas shared as they are all acceptable, just and reasonable from the military, shipping owners, navy/merchant officers point of views and concerns.

Reflecting on the report cited during the said LIMA '11 Maritime conference, that international maritime piracy is costing the global economy between USD 2-12 Billion a year due to the multi-national effort by over 20 nation states, patrolling the Gulf of Aden through the combined Maritime Forces (CMF), EUNAVFOR and NATO and coupled by the establishment of collaborative initiatives such as the UN Contact Group on Piracy off Somalia (CGPS) and Shared Awareness and De-confliction (SHADE) meetings beneficial for all parties involved. However, despite these massive undertakings, reports show that maritime piracy incidents still increased by 10% from 2009 to 2010.

4.2 Aerospace Conference

Air Chiefs' Aerospace Conference with theme: 'The Equilibrium in South China Sea – Air & Space Perspectives': A Key Indicator for Asian-Pacific Security Cooperation in the 21st Century (7th December 2011 at One Helang Hotel Langkawi with registration fee of \$ 599 inclusive of service charge)



Joint HW LIMA Exhibitions, IQPC Worldwide and the Royal Malaysian Air Force with participation by **General Tan Sri Dato' Sri Rodzali bin Daud**, Chief of Air Force, ROYAL MALAYSIAN AIR FORCE, **Major General Ng Chee Meng**, Chief of Air Force, REPUBLIC OF SINGAPORE AIR FORCE and industry partners **SAAB and Rolls Royce**

Recent skirmishes between China and the Philippines as well as China and Vietnam have threatened to re-ignite the long-standing and protracted dispute in the South China Sea. The potentially resource-rich 1.3 million square mile patch of the Pacific Ocean remains a source of friction and instability between the claimant states of the Asia-Pacific region. A peaceful resolution to the South China Sea dispute is imperative for the stability and security of the region. Hence, the region's only chance at truly confronting these challenges is via a coherent defense partnership.

The **LIMA '11 Air Chiefs' Conference** complemented the **LIMA** series of exhibitions because it was an additional alternative platform for the leading minds of Asia's separate air-commands, to collaborate on the critical theme of South China Sea security. With a healthy mix of both military and industry-based sessions, the half-day conference had internationalized my overall experience as participant and observer at **LIMA '11**

5. Technology Innovation Workshop

With theme: Innovations in Defense Industry-Opportunities and Challenges (7th December 2011, Hall A, MIEC): Contact person—Ms. Nor Haswani Kamis tel: 03-8885 8604 E-mail: nhaswani@mosti.gov.my. The following papers have been presented which as a researcher sent on official business; have been included in this report on LIMA 2011 Exhibit. Certainly, these papers shared are innovations in Malaysia which may serve as terms of reference for the modernization of Philippine Navy for FY 2012-2022. The website and contact details of the presenters of the 9 full papers are provided below:

* **An Innovative Approach In Technology Acquisition And Management For Naval Shipbuilding** By Vice Admiral Hj. Mohd Nor (Ret) Deputy Chairman/Managing Director Boustead Heavy Industries Corporation Berhad

<http://lima.com.my/paper/AN%20INNOVATIVE%20APPROACH%20IN%20TECHNOLOGY%20ACQUISITION%20AND%20MANAGEMENT%20FOR%20NAVAL%20SHIPBUILDING.pdf>

* **GPS Controlled and Remotely Operated Lock**

<http://lima.com.my/paper/GPS%20Controlled%20and%20Remotely%20Operated%20Lock.pdf>

- * **Aerospace Composites Manufacturing & Future Milestones**
by Shaharizal of Asian Composites Manufacturing Sdn Bhd
<http://lima.com.my/paper/Aerospace%20Composites%20Manufacturing%20&%20Future%20Milestones.pdf>
- * **Combination of Space Technologies for Maritime Security & Defense Services** by Yannick Douet -Philippe Courrouyan www.cls.fr www.lrit.fr <http://lima.com.my/paper/Combination%20of%20Space%20Technologies%20for%20Maritime%20Security%20&%20Defense%20Services.pdf>
- * **Innovation in the Realm of Defense Technology** by Datuk Dr Abdul Ghaffar Director – General Stride, Ministry of Defense Malaysia <http://lima.com.my/paper/Innovation%20in%20the%20Realm%20of%20Defence%20Technology.pdf>
- * **Mastery and Development of High End Technology to Catalyze User Transformation**
By: Mohd Zarif Hashim, CEO of Sapura Secured Technologies
<http://lima.com.my/paper/Mastery%20and%20Development%20of%20High%20End%20Technology%20to%20Catalyze%20User%20Transformation.pdf>
- * **Space and Related Technology for a Developed Malaysia** by Dato' Dr Ahmad Sabirin Arshad et al by Astronautic Technology (M) Sdn Bhd No 2, Jalan Jururancang U1/21 Glenmarie Industrial Park 40000 Shah Alam Selangor, Malaysia Tel: +603 5569 0100, e-mail: sabirin@atsb.my <http://lima.com.my/paper/Space%20and%20Related%20Technology%20for%20a%20Developed%20Malaysia.pdf>
- * **The Setting Up of an Assembly, Integration and Test (AIT) Facility At the Malaysian Space Centre**
[http://lima.com.my/paper/The%20Setting%20Up%20of%20an%20Assembly,%20Integration%20and%20Test%20\(AIT\)%20Facility%20At%20the%20Malaysian%20Space%20Centre.pdf](http://lima.com.my/paper/The%20Setting%20Up%20of%20an%20Assembly,%20Integration%20and%20Test%20(AIT)%20Facility%20At%20the%20Malaysian%20Space%20Centre.pdf)
- * **Unmanned Underwater Vehicle (UUV) System For Robust and Innovative Defense Application** Dr. Mohd Rizal Arshad, Assoc. Prof. Underwater Robotics Research Group (URRG) Universiti Sains Malaysia, 14300 Nibong Tebal, P.Pinang, Malaysia ri-

6. The 2-day Career Day Programme (9-10 Dec 2011, MIEC)

In collaboration with the Ministry of Higher Education Malaysia, LIMA 2011 had organized a Career Day Program for students to hear it first hand on what is the current trends, job opportunities and to inspire their young minds towards pursuing a career path in Aerospace and Maritime industry. These we had witnessed on **December 9**, when LIMA 2011 exhibit was **open to the public** for a minimal fee of RM10 (not RM50) but free for visitors in military uniforms. One of the booth visited was Malaysian Airlines, at the back was career orientation for the prospective incoming college students, being conducted by the pilot to encourage the youth to take aviation courses and be a pilot someday.



7. PARTICIPATING BOOTHS

There were a total of 264 **exhibitors** from **34 countries**: Australia (16), Belarus(2), Brazil (1), Canada (2), China(2), Denmark(1), France (14), Finland (1), Germany (11), Hongkong (1), India (4), International (5), Italy (8), Indonesia (1), Japan (1), Lebanon (1), Malaysia(121), Norway(1), Portugal (1), Poland (2), Russia (14) Slovakia(2), South Africa (3), South Korea (3), Singapore(5), Sweden (1), Spain(1), The Netherlands(1), Turkey(12) Thailand(1), Ukraine (2), United emirates(1), United Kingdom (10) and USA(12), none from the Philippines.

All these 60 booths have provided their respective CDs, business cards, websites, brochures and company tokens (*planners, business card holders, company and branded pens, steel mugs, plastic mugs, baseball caps, picture frames, scarfs, organizers, computer accessories, notebooks, key chains, bags, USB flash Drive, USB port extensions, Victorinox, miniature planes for display eg Eurotyphoon Fighter Toy collectors Model 1:100 scale die cast, food products, books and journals. ID holders, gold plated pins, stationeries and stickers, calendar planners, T-shirts, polo shirts etc*). I have also been invited for lunch and snacks by the companies whose booth has a secret door leading to a buffet area or to the snack counter inside the MIEC exhibit. The goodwill, friendship and memories that these tokens symbolizes shall forever linger in my memory and heart. The photos taken by their cameras and PN camera presents good memories in Malaysia and the same form part of this report.

BOOTHS or EXHIBITS VISITED

1. EUROCOPTER, Selangor Malaysia (An EADS Company- Thinking without Limits www.eurocopter.com.my)-please see bag for brochures: Helicopter Emergency Medical Service, All weather Search Rescue, The Force Multiplier in Law Enforcement, Civil Range and Military range)

According to Eurocopter CEO Bruno Boulnois, Eurocopter is the only foreign manufacturer to have a subsidiary in China with an office in Chengdu to provide proximity services to emerging customers as they work hand in hand with Xilin Fengteng to provide a one-stop solution for their customers general aviation need in Sichuan Province. Eurocopter says mission flexibility is the driving force behind Xilin Fengteng's decision to purchase the EC120B and EC135. Both aircraft have features that make them easy to maneuver and extremely safe to operate even in mountainous and secluded areas around Sichuan. Created in 2006, Eurocopter China is a wholly owned subsidiary of Eurocopter group, responsible for sales and customer support activities for the company with a multi-based organization in Beijing, Shanghai, Chengdu, Shenzhen, Harbin, Wuhun and Hongkong.

Customer Support representative **Commercial Karim Mohd Rizal Vivien Raquet**

(karim.vivienraquet@eurocoptermalaysia.com with mobile +6012 2216065) and **Lucas Ansinelli**

(lucas.ansinelli@eurocoptermalaysia.com with mobile +6012-567-6544) may be contacted for further details.

Via a live video link, **PM Najib** witnessed the handover of the first of 12 Eurocopter EC725 helicopters of LIMA with the manufacturers in Marignane France. The helicopters will be delivered to the Royal Malaysian Airforce anytime in December 2012, once testing and training has been completed. Ten more will follow in 2013 and a final one early in 2014. Eurocopter is in the process of expanding its facilities for training and MRO activities in Malaysia, with a helicopter centre of excel-



2. the SAAB group, Sweden (www.saabgroup.com) with local partner DRB-Hicom, **Malaysia**

Saab seemingly had given credit to Prime Minister Datuk seri Najib Razak for improving its airborne early warning and control (AEW&C) system. **SAAB campaign manager Toree Bekkewood** for its bid to supply the AEW & C to Malaysia, said that in 2006 PM Najib in his visit at the company's booth at the air show then, had advised them to improve the radar coverage to pick up smaller items. Because of said good suggestion, they had improve the product.

Now, the Saab's Erieye system can even pick up a lone man swimming in an ocean. This is the technology now on offer to the government for the Royal Malaysian Air Force and the company which is setting up an office in Malaysia and had found a local partner—the DRB-Hicom



An industrial cooperation teaming agreement was signed between the two companies (SAAB and DRB) at LIMA 2011 and the same was witnessed by **Defense Minister Datuk Seri Dr Ahmad Zahid Amidi**. Soon there will be a transfer of technology from Saab to DRB-Hicom, bringing employment and expertise to Malaysia. **Saab Senior VP (security and defense solutions) Gunilla Fransson** said that the company was happy to have found a local partner DRP as it would be good for Malaysia and also for Saab because a local company would know the environment and the needs in Malaysia.

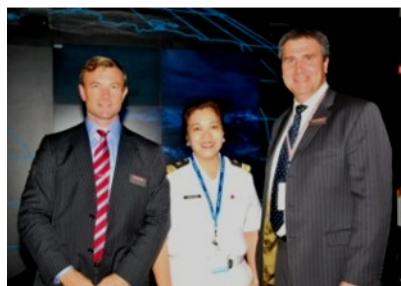
company would know the environment and the needs in Malaysia.

Saab has been interested in supplying an AEW&C system to Malaysia for several years and had offered 100% offset programme from the very start even though the requirement at that time was only 50%. VP Fransson said that the deal with DRB-Hicom was the baby step or first step but an important one. Fransson added that Saab and its technology would fit well in Malaysia. He also emphasized that Sweden is not a big country so they are aware on how important it is to be cost-efficient and that Saab's Erieye system was a cost-efficient system and the offset programme with its high local content would contribute on this.

Saab group VP (marketing and business development) Lars Tossman said that Saab creates jobs and transfers the technology hence the customers win, because if the government purchase the AEW & C System, a 24/7 support will be provided, not all the way from Sweden but by their local partner, the DRB-Hicom in Malaysia.

3. BAE Systems, Daring Building, Portsmouth UK

This is a global defense and security company with more than 20 years presence in Malaysia. At LIMA 2011, it has made its first debut for the Eurofighter Typhoon as one of the most advanced multi-role combat aircraft (MRCA). It showed its capabilities at LIMA flying displays while its full scale replica was open for viewing to visitors at the exhibition. Offering far more than just defense and aerospace products, BAE systems is also known for its leading security products and services and becoming known as the single source provider of security solutions for a vast global market. It had also displayed modern air and naval gun capabilities at the exhibition. I had viewed its premier new products like Bofors 40 Mk4 40 mm naval gun and Q-sight, an advanced helmet-mounted display (HMD), both of which were displayed and a model of the Hawk advanced Jet Trainer, the newest generation of the world's most successful training aircraft. Hawk has trained 20 countries globally including Malaysia. Also displayed at the **Boustead booth** are the remotely controlled weapon systems - the Bofors 57Mk3 naval gun and Lemur. Q-sight was exhibited at the **Carl Zeiss Optronics booth** Talked with **Asia Pacific Regional VP Chris Nunn** (chris.j.nunn@baesystems.com with mobile +44(0)7801 714454), International Business Development Director for India and East Asia Surface Ships Clive Marchant (clive.marchant@baesystems.com with mobile +44(0) 7540 642243), Ms. Josephine from BAE System Malaysia (mobile +6012 3835376).



Learned that with signed MOA with Thailand for shipbuilding, they had just recently launched the newly built ship on **December 2, 2012**. I was told that the Admiral from Thailand will be visiting their booth the next day, and they thought it would be prudent if a meeting could be possibly arranged between the Philippines Navy Head and Thailand at their convenient time the next day. This has been reported immediately to Cdr Cesista via mobile phone thru our Malaysian Cellcom sim card numbers and in the evening, also reported to the Head of Mission Capt. Torralba. Received a call from Ms. Josephine as regards the status of their invitation the next day and had relayed that their requested meeting may not be possible due to the hectic schedules. **BAE Systems is open for technology transfer and partnerships.**

4. Eurofighter Typhoon



For the first time, the European Typhoon flew across the skies of Langkawi as a UK Royal Airforce craft took part in the show's aerial display which delighted us in the crowd as it shows its agility and speed. BAE System **typhoon test pilot Nat Makepiece** spoke about his gratefulness for the chance to fly during this LIMA international show. AT the show the following capabilities of Eurofighter have been displayed

- Electronically scanned Array (AESA) radar. The large aircraft noise allows for an optimized array with the addition of an innovative re-positioner to broaden the field of regard to more than 200°, some 50% wider than traditional fixed plate AESA radar systems.
- The Helmet Mounted Symbology System (HMSS) which forms a key component of the Eurofighter Typhoon weapon system improving tactical performance of the Eurofighter pilots by providing essential flight and weapon aiming information through line of sight imagery. Information imagery includes aircraft's flight parameters, weapon's status and aiming all projected on the HEA(Helmet Equipment Assembly) visor.

The Meteor Missile, described by Eurofighter as the game changer in terms of kill probability thinks of its dynamic performances, speed and range. Eurojet's EJ200 engine.

Likewise, as regards **aircraft design** it must be Typhoon and it **has to be a single seat than a twin seat configuration** according to **Typhoon test pilot Craig Penrice** due to many operational and technical reasons: Aside from double training requirements with greater training costs and training burden, it takes considerable time to train and maintain a well coordinated crew and a badly coordinated crew is a potential danger to themselves and a drain on operational capability. War attrition will bring with it a greater loss too as well as the nation's capability to recruit sufficient number of suitable capable candidates and sustain a budget sufficiently large to pay for training and salary. The new typhoon single seat with comprehensive automated self protection measures is designed in such a way that it delivers multi-role, multi-sensor, multi-weapon solutions with acceptable workload and operational capability with the aid of a single pilot

5. Boustead Heavy Industries Corporation Berhad Subsidiaries and Associates

(website: www.bhic.com.my and www.bnshipyard.com.my) please see bag for brochures: Shipbuilding, Ship repair, Heavy Engineering, Electronics and Weaponsry, BHIC-Centre of Excellence For Bofors Guns

Through Life Support, BYO Marine SDN BHD- Fast patrol Attack Craft , fast Attack craft, Fast Intervention Craft, Boustead Penang Shipyard Sdn BHD, Boustead Langkawi Shipyard SDN, BHD, Boustead Heavy Industries – Macduff Ship Design and Boustead heavy Industries Products and Defense.

The leading naval dockyard operated by Boustead has delivered patrol vessels for the Royal Malaysian Navy and is looking to build more such vessels for the latter. Boustead Heavy Industries provided brochures on Shipbuilding, heavy engineering, maintenance and repair & overhaul which the Philippine Navy may use as reference.



Conversed with **Executive Director David Berry** (CP +6012 286 7979 with email add dewberry@bhic.com.my), **Adm Tan Sri Ramlan Mohamed Ali (Ret)** (ramlanma@gmail.com), Group Vendor Development Division Head based in Lumot **LCdr Muhammad Fauzi Bin Abdul Kadir**, PPA,MA Policy Analysis (UKM), ASW*USA & UK). Intell (USA) (mohammad.fauzi@bnsy.com.my) and BYO Marine SDN BHD CEO Raja Mohamed Mustafa (raja.moham.ed@byomarine.com.my with Mobile +60125070786), Gen Manager in Lumot Lt Cdr (R) Mohamad Zamari Basnun PPA M Engr (Electrical) B Engr. (Hons), P Engr., MIEM (mohamad.zamari@bnsy.com.my) and Head of Commercial Division Dato Pahlawan Jasan Ahpandi Bin Sulaiman, PSAT DPTS PAT JMN JSM FMarEST, PEngr, MSc, rcds, mpat, psc (jasan@bhic.com.my and jasanabs@hotmail.com)

The next day, introduced **BRP 550 Engr. Officer Aclan** to **Asst General Manager Bin Abdul Wahid** of **BHIC Navaltech Sdn Bhd**, Lumot (al.shaifiq@bnsy.com.my) for the technical engineering side.



6. EMBRAER, Sp Brazil (www.embraer.com.br -Defense and Security)



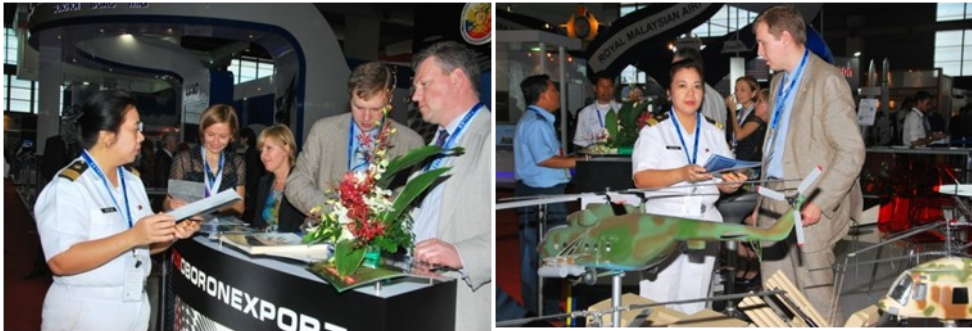
VP Business Development Asia Pacific Joao Tolesani (joao.tolesani@embraer.com.br), on photo, has recently been appointed as the one dedicated in the ASIA-Pacific region which is seen by the company as an important market with huge potential of developing new business.



In the Brazil Defense System, Embraer supplied over 70% of the Brazilian air force (FAB) fleet. With more than 40 year experience, **Embraer military aircraft** and solutions are **present in 48 countries, serving more than 50 armed forces**.

At LIMA, Embraer Defense and security had shown the Brazilian military know-how. This aircraft manufacturer offers a **wide-range of integrated defense and security solutions** and services including military aircraft, radar technologies, unmanned aerial vehicles and advanced information and communication systems such as command, Control. Communications, Computers, Intelligence, Surveillance and Reconnaissance (C41Sr) applications. Its product line includes the **Super Tucano**—an advanced military trainer and light attack turbo-prop; the ISR Intelligence, Surveillance and Reconnaissance) family of jets, based on the successful proven ERJ 145 platform; commercial and executive jets solutions customized for government authority transportation; the (KC 390 military airlifter and tanker jet currently in development; modernization of Brazilian Armed Forces aircraft; integrated logistic solutions for Customers; and training and operations support systems (TOSS). The sales engineering manager is Marcelo Fassina (marcelo.fassina@embraer.com.br +55128152-4839) for more details.

7. ROSOBONOREXPORT, Russia



The following new items have been presented at LIMA 2011: new **MIG-29M multi-role fighters**, Mi 28NE and Ka-52 attack helicopters in digital format on large plasma screens which are new innovations. Supply to Royal Malaysian Navy (RMN) of **Su-30MKM fighters** – a great aircraft with a reliable power plant, perfect aerodynamics, advanced onboard equipment and powerful weaponry. Russia makes all types of helicopters from the light utility KA-226T to unique heavy Mi-26T2. Russian **Yak-130** is suitable for effective training of pilots and useful also for local conflicts as light combat aircraft.

8. DCNS, Paris France (www.dcnsgroup.com)

Multi-mission frigates programme combines the latest technology developed by DCNS group, the innovative growing DCNS, a French prime contractor, shipbuilder and systems integrator with 40 years of experience in design, development and integration of combat systems for international navies. had showcased a wide range of its products at LIMA. These include:

- Submarines namely: **Scorpens** which is presented with MESMA AIP (Autonomous Submarine Energy Module), Andrasta designed to operate in coastal waters and SMX-25 known as the lightning prowler
- Surface Combatants like **Gowind vessels** and the **ADVANSEA** or Advanced All Electric Networked Ship for Sea Dominance
- Combat Systems namely: **SUBTICS** – which combines long range capabilities in all navigation conditions with powerful weapons (torpedoes, anti-ship missile, countermeasures, land attack capability and **SETIS**, which manages anti-surface, anti-air and anti-submarine warfare and is designed to perform intelligence gathering , land attack and special operations

DCNS also showcased:

- **Boustead DCNS Naval Corporation Sdn Bhd** , a joint venture company between BHIC Defense technologies Sdn Bhd and DCNS awarded by the Malaysian Ministry of defense (MINDEF) to undertake In Service Support (ISS) for the two Royal Malaysian Scorpene Submarines
- **Contralto-V Torpedo** countermeasures, a system for surface combatants designed to counter latest generation torpedoes

Contact person is Services Division Senior VP Thierry Kalanquin (thierry.kalanquin@dcnsgroup.com mobile +33 0633231426)

9. RAFALE International, France with local partner

The latest operations over Libya has clearly demonstrated that the Rafale excels in an extremely wide range of missions, including the **destruction of enemy air defences** or (DEAD): the crippling attack carried out by the French airforce and Navy Rafale led to defense network and the rapid collapse of the Libyan airforce air-defence network.



RAFALE Pilots were fully capable of detecting, localizing and engaging enemy surface to air missiles sites. With their AASM (**Modular Air to Surface Armament**) stand off precision, weapons and their state of the art spectra electronic warfare suite, they targeted and destroyed SA-3 and SA-6 SAM systems including some mobile, time sensitive systems, a significant achievement which proves how efficient Rafale really is in a highly intensive combat scenario. Such is the quality of the spectra electronic warfare suite that the Rafale literally disappeared from the radar screens of the Libyan airforce while performing soft skills on the enemy radar systems. Spectra relies on advanced jamming modes and jamming techniques to defeat hostile weapon systems and to hide the progression and whereabouts of the fighter.

10. Kongsberg, Norway (www.kongsberg.com - world class—through people. technology and dedication, a leading supplier of advanced defense system, with email office.kda@kongsberg.com)

NSM & JSM (**Family of precision Strike missiles** – long range precision strike, penetrates enemy air defenses, immune to decoys and autonomous target recognition)

The **Kongsberg Naval Strike Missile** (NSM), a new generation anti-ship missile from Norway, has a range of over 240 km plus and with a very fast subsonic speed of Mach 0.90 is designed for littoral waters in addition to blue waters scenarios. The advanced sea skimming missile is even designed to be able to fly around and over land-masses to get to the target ships, doing precision navigation through archipelagic waters as well as over terrain which are features in archipelagic Southeast Asia. This is built on the success of the penquin family of anti-ship missiles became operational was notably the first anti ship cruise missiles developed in Europe , The first Penquin was first operational in 1972. One of the most distinguished features of the new missile (**Nytt SjomalsMissil**) is the emphasis on stealth. It features a signature –reduced design and is made of composites. Hence, during the exhibit at LIMA 2011, it has attracted the interest of the Royal Malaysian Navy and other naval forces in the region in its stealthy long range cruise ability.



11. North Sea Boats PTe Ltd (NSB)

NSB, an Indonesian company has secured a deal with **Composites Technology Research Malaysia Composites Engineering (CTRMCE)** to build and market special operations fast attack boat for the security forces. **NSB marketing manager Allan Boon, a former Royal Australian Navy hydrographer**, said the deal involved a partnership agreement between NSB (signed by NSB managing Director **John Ivar Allan Lundin**) and CTRME (CEO **Mohd Shafee Mohd Ali**) in the presence of Spectre Marine AB CEO **Andreas Isaksson**) at the Mahsuri International Exhibition Center (MIEC). The agreement involves: development, production, marketing, sales and servicing of advanced technology composites marine vessels of the **rigid-hull inflatable boat** for the defense and security market. The North Sea Boat X2K model can accommodate up to 18 crew, is 11.3m powered by two 300-horse powered engines, made of vacuum infused composite, has a top speed of 55 knots and weighs 2,500kg. Learned that each boat is equipped with all weather navigational equipment costing \$250,000. NSB has sold four such vessels to the Malaysian Police's VAT 69 special operations force.

12. Abeking and Rasmussen, Germany (www.abeking.com – see inside bag brochures on – SWATH@A&R, Ships Solutions, Ships and Yachts, MCMV and Patrol Craft, SWATH@A&R Pilot Station Ship, 60 m Offshore Patrol Vessel, 66m Environmental Protection Vessel, 40mSwath@A&RExpedition yacht, 25m Swath@A&R Offshore patrol Boat, 25m Swath2A7R Pilot Tender, 25m Swath@A&R Windpark Tender, Minewarfare is our Business brochures etc.). Chief Representative Captain (Rtd) German Navy Frierich Jacobi (fjacob@abeking.com with mobile +49 170 9653 521)



With Sales Manager Cdr (Rtd) RNON Morten Uhl Knudsen (morten.uhl.knudsen@valmarine.no and mobile +47 9067 27 44)

Almost 6pm, on our way back to our Bus, as we were in our navy uniform as delegates of LIMA 2011, I was asked if we are from the Philippines and had introduced himself that he is married to a Filipina and annually goes to the Philippines. It was a brief chat. We exchanged business cards and invited us to visit his company booth **D 'Aquarian Services** the next day.

13. 'D' Aquarian (M) SDn BHD for Boat Manufacturing and Mechanical Services (www.daquarian.com email enquiry@daquarian.com- please see attached brochure



MAQPRO RHFB K-87 OB hybrid/heavy duty/compact and high capacity). The Head of Division Composite and Inflatable is Mohd Zaideed Bin Mohadai (+6017 488 9328 zaidee.daquarian@gmail.com). **D' Aquarian Holding** is offering the new generation **rigid hull fender boat (RHFB)** that has a redundancy hull system, enabling it to survive bullet fire under extreme condition.

Its group general manager **Ahmad Kamal Abdul Zakaria** (+6916202 6510 kamal.daquarian@gmail.com and kamal@daquarian.com) and Group Asst Gen Manager **Khairil Jafuan Kamarudin** (+6012 507 9834 jafuan.daquarian@gmail.com or jafuan@daquarian.com) said the boat called **MAQPRO**, was based on technology transfer

In-
by
in-



from Taiwan. At the company booth at the LIMA 11 at Mahsuri International Exhibition Center (MIEC) on Dec 9, 2011, that the said boat is suitable for strike or search and rescue missions special forces and they can also build it to cater for leisure outings. He further said that the boat's advantage was that it is flatable tube was made using hybrid collar technology that ensured it would not collapse when hit by small arms fire or in

the event of a deep cut because the tube is made of foam which will close around any bullet hole if hit and that inside the foam at its core is an inflatable air tube which can be easily taken out to be replaced if it is pierced by bullets. He also explained that placing the air tube inside the foam's core also improved buoyancy of the boat which was complemented by its deep "V" structure hull, thus making it stable during high speed cruise. In the video demonstration, several circling maneuvers were made and not a single splashed into the boat which has a top speed of 55 knots. He also said that the hull is made using FRP construction-resin infusion technology which eliminates air bubbles and reduces danger from cracks. When asked where the factory is, Mohd Zaidee Bin Mohadai, Head of Division Composite and Inflatable (zaidee.daquarian@gmail.com and +6017488 9328) response was at Manjung Perak and they can build the boat in any size within two or three months. Indeed it is a special Boat for special mission or leisure outing. Please see below a **replica display of the MAQPRO Rigid Hull Fender Boat** inside the glass with **LCDR Baylon** talking with the **CEO and company owner Mohd Zainol MHD Said**

D Aquarian Services (M) SDN BHD, Seri Majung, near Lumut Malaysia (www.daquarian.com please see inside bag the 36-page Company profile), an **Electronic engineering company established in 1996 specializes in supplying and servicing** of military and commercial radar, communication and electronic equipment and system. It has proven its capabilities in supporting Royal Malaysian Navy up to 95% in line with Malaysian Defense Ministry aspiration to be self reliant. Scope of work includes: supplying, delivering, dismantling, installation, servicing, maintaining, overhauling, Trials, commissioning and Training. They represent Ben Marine Speed Log, Knudsen Echoes Sounder, Kelvin Hughes Radar System, Paerk Air Electronic UHF VHF System, Communication and detection alarm system and Scandinavian Microsystem digital gyro display. Their own product includes: Broadcast System, Conning System, Armament System and Intercom System



Managing Director Mohd Zainol Bin Mhd Said (+60175592598) and **Technical Manager Mohd Zamri Bin Jaafar** (+60125026576) - please see brochures inside bag

CEO and owner Mohd Zainol MHD Said, a retired LCDR of RMN, is married to a Filipina nurse and is blessed with equally good 4 professional children

(One of whom is his **22 year old son Mohd Zaliyudin Bin Mohd Zanol** whose business in designing thru the use of) with email : MiradillaSb@gmail.com or MiradillaSb.webs.com and + 60124903600. The CEO mobile number +6012-5026578 and email add ziggyzainol@gmail.com or daquarianservices@gmail.com or dssb@tm.net.my or dassb_kk@streamyx.com



When the CEO/Owner learned that our Phil contingent will be in Lumot from December 10-12, 2011, he extended his invitation to us in his house for lunch or dinner and a tour of his company and nearby towns. However, none of the PN bosses have their free time so I was fetched along with ensign Quicio at RMN, Lumot. We had enjoyable time in Lumut,.



The Phil Navy might consider getting the services of the **D' Aquarian services**, I will introduce his company to friends who may try his company products and services with proven excellent track record at the Royal Malaysian Navy etc as regular clients as shown in his company brochures attached in this report.

14. ECA Group, France (Systems for Robotics, Simulation, Control and Command – see bag for brochures – underwater robotics, Olister, Alister SIMAB, unmanned Surface vehicle – www.ecagroup.com)

ESFE Pte Ltd, Singapore (www.ecagroup.com) Managing Director Valentin Hanns (hanns.v@ecagroup.com +65 81666581)

15. Sikorsky (www.sikorsky.com)



16. TKMS Blohm - Voss Naval, Hamburg Germany

(Expertise, Technology and Innovation)

please see inside bag for brochures on Virtual Sgip Training and Information System or ViSTIS etc www.blohmvoos-naval.com

17. Agustawestland (AW) (www.agustawestland.com)

SOLAIRE (exclusive distributor in Malaysia for Agusta westland- www.solaireheli.com)

Cliff Fournier (cliff4nier@yahoo.com +6019231778) and Joyce Chew (solaire@po.jaring.my +60123592608)

At LIMA 2011, it displayed its new helicopters namely: The all new AW-149 8-tonne military helicopter, the GRAND new light twin helicopter with advanced avionics for multiple applications, best selling AW 139 15 seat medium twin helicopter now widely used in Malaysia, 6-tonne AW 159 multi-role helicopter. There are 40 AgustaWestland commercial and military helicopters operating in Malaysia.



18. SAPURA (please see bag for the brochures)



19. L3-Volmarine, Drammen Norway (www.volmarine.no)

(www.wescam.com) –see inside Bag brochures on L3 Wescam (see first, act first), Ship Solutions , Technical Solutions, MX- Series Training Courses- MX-Raid (Remite Aid for the MX –Series , MS -15 HDi, MX-20 Family, MX-10, MX-10 GS, MX 15i, MX-15Di,WESCAM Eagle, L-3 Wescam team of Service centers. **L3 Sales manager Morten Uhi Knudsen, CDR (Ret) RNON** (morten.uhl.knudsen@volmarine.no +47 9067 2744 for product details)

20. AIROD, Selangor Malaysia (www.airod.com.my-customized engineering solutions with CD provided)

With **Chief Operating Officer Edron Hayata Ahmad** (edron@airod.com.my mobile +60122840088), **Director of Sales International and Commercial Program Col (Rtd) Salleh Ahmad** (sallehamad@airod.com.my or sallehahmad57@yahoo.com +6012 308 5429) and **Deputy to Chief Operating Officer Pietro Mohd Isa** (pietro@airod.com.my and +6012282 1056)

21. Wartsila KL Malaysia (www.wartsila.com - Powering the World's Navies – brochure and Ship power catalogue 2011) Acct Mgr Greg Lee (greg.lee.wartsila.com)



22. Yaltes (Hi Tech Solutions for Naval Platforms with CD
www.yaltes.com
email
yaltes@yaltes.com)



23. Rockwell Collins, France and UK (Building trust everyday - www.rockwellcollins.com -enhancing UV HI Communications) – please see brochures - The first fully mobile cross-platform as hoc IP network Utilizing Legacy radio Systems, 7215 VHF-UHF Receiver-Transmitter and Sentinel Integrated Soldier Solutions Manager Asia Pacific Marketing International and Service Solutions **Robin Roberts** (rrobert@rockwellcollins.com)



24. Kelvin and Hughes, UK–Total Marine navigation Solutions – Please see brochures –Sharp Eye, Radar (NTD Digital Radar/Chart Radar), Sharp Eye (5-VDR ECS, VTS RADAR for coastal surveillance), VDR (NDR2002 Voyage Data Recorder), ECDIS (MANTA 1700, 2000, 2300), Manta digital S VDR-capture what you can not see in your eyes)



25. GOA Shipyard, India (Ship Builders, repairs and engineers www.goashipyard.co.in)

26. MTU Services (M) SDN BHD, Selangor Malaysia – mtumalaysia.com.my)-please see enclosed brochures



27. Bureau Veritas, Sdn Bhd KL Malaysia (Classification of Naval Vessels, Ships and Off-shore Units – www.bureauveritas.com)Sales and Marketing Management Business Development Manager, Naval and Special Ships, Marine division – Mr. YVES LE GAL (yves.legal@bureauveritas.com mobile +33 0671913415

28. OGMA Aviation Services, Alverca Portugal (www.ogmt.pt) Business Development Manager **Frederico Lemos** (frederico.lemos@ogma.pt +351 91 926 5360)

29. ALIRAN PERWIRA ENGINEERING SDN BHD (energy from Nature), Kuala Lumpur Malaysia, Director Razali Abdul Jalil (aliranperwira@gmail.com)

30. SAFRAN Turbomeca Asia Pacific, Hanoi Vietnam (www.turbomeca.com)

31. Korea Defense Industry Association (KDIA), Seoul Korea (www.kdia.or.kr)

International Project Team and International Exhibition Team **Jamie (Gi0Hyun) Woo**
(email: ghwoo@kdia.or.kr and +82b10 8212-5999)

DSME (Daewoo Shipbuilding and Marine engineering Co Ltd Manager Myung-Kwan Kim for Business Planning Team for Special Ship Overseas Marketing (nis815@dsme.co.kr +821046430829)
YEONHAB PRECISION CO LTD, Seoul Korea (www.yeonhab.co.kr)
International Business Dept. Asst Manager **TAC JUNG** (tsjung@yeonhab.co.kr +82109484 6684)



32. Korea TES Co Ltd (KTES) Korea Technology and Engineering Solutions, Geongnam Korea (www.koreates.com)- please see brochure for the sonar and radar display system and the Image conversion System Asst. Manager **Donghyun Park** (dhpark@koreates.com, +82 1020196652)



33. NEURAMATIX SDN BHED (MSC), Kuala Lumpur Malaysia
(www.neuramatrix.com) Senior Manager Business Development **Sashah Nordin**
(sasha@neuramatrix.com + 60123790292)

34. DALE LOKMAN ASSOCIATES (DLA), SDn BHD, Kuala Lumpur Malaysia
Managing Director **Dato Mahadzir Lokman**
(mcextraordianire@gmail.com
+60 193143883)



35. HGH Systemes Infrarouges , France (www.hgh.fr)
with local partner **Star Fest Sdn Bhd, Lumut in Perak Malaysia**

Director of Business Development Giles Bonavita (giles.bonavita@high.fr +33632006065)
and the Technical Manager Jogindar Singh (zaisa@pd.iaring.my, +6012 505 8037)



36. The Republic of Singapore Airforce (F-16 Acrobatoc Team)



37. AEROTREE Defense and Services SDN BHD, Kuala Lumpur and Selangor Malaysia (www.aerotree.com.my)



38. FIREFLY

Government Relations Manager Rosnie Samsudin in pink blouse
(rosnie@malaysiaairlines.com +60 19 373 9731)



39. YUSEL SAVUNMA SISTEMLERI A.S. or Yuksel Defense System Inc., Ankara Turkey
 (www.yukselsavunma.com +90 312 265 07 20 21 22)-
 please see attached Roboguard brochure – **Stabilized D-yak** – a remote controlled weapon station for naval platforms

With Executive Board Member **Hayri Esen**
 (hesen@yuksel.net) and Gen Manager **Cetin Akyurek**
 (cakyurek@yukselsavunma.com)



40. Heli Partner Agencies, SDn BHD (www.helipartneragencies.com)—**SAFRA Turbomeca Asia Pacific, Hanoi Vietnam** (Power Built on Trust www.turbomeca.com)
 Marketing and Business Development Executive **Denis Germa**
 (denis.germa@turbomeca.com.sg +84 127 650 5707)

41. Qantas Airways Limited, Mascot Australia (www.qantas.com) Commercial Manager
 Qantas Aviation Services **Tony Filia** (afilia@qantas.com.au + 61 0407 949 734)

COMMUNICATIONS

42. SMART Pelangor Malaysia – Brochures –latest tech to secure data as Security is main priority (protect valued information) - www.smart.com.my

43. TM Government or Telekom Malaysia Berhad, Kula Lumpur Malaysia
 Manager **Jaganathan Subrmaniam** (jack_q@tm.com.my +60133976489) and **Mawaddali Alias**
 (mawaddali.alias@tm.com.my or azlinah@tssb.com.my and nadya_adnan@yahoo.com)



UNIVERSITIES /SCHOOLS/ INSTITUTES

45. Maritime Institute of Malaysia (MIMA)- Advancing the Frontiers of Maritime Knowledge, Kuala Lumpur Malaysia ([http:// www.mima.gov.my](http://www.mima.gov.my))

MIMA is a policy research institute that looks after and promotes Malaysia's interest at sea. Also Advances maritime literature through publication in addition to providing fellowship opportunities for researches and scholars. Designed for multi-disciplinary research, the institute is organized into 5 research centres while the Resource Center plays a key role in supporting research (Centre for Coastal and Marine Environment, Centre for Maritime Economies and Industries, Centre for Maritime Security and diplomacy, Centre for Ocean Law and Policy and Centre for Straits of Malacca.



Discussed with the Centre for Coastal & Marine Environment (**CMER**) Researcher **Elvia Cory Bt Abu Hasan** (elvia@mima.gov.my) Please see bag for brochures on MIMA, Proceedings of LIMA 2005 “*Enhancing Security in the Straits of Malacca*” and list of MIMA publications for sale.

46. Department of Civil Aviation (DCA), Precinct 4 Putrajaya Malaysia-

(www.dca.gov.my - to be the world's Leading aviation authority

DCA is established under the Ministry of Transport to provide efficient and safe air transportation. It has 3 sectors, 5 divisions and 1 Academy: Air Traffic Management Sector, Flight Operations Sector, Airworthiness Sector, Management Services Division, Air Transport Division, Air Traffic Inspectorate Division, Airport Standard Division, Aviation Security Division and Malaysian Aviation Academy).



47. AVIATION LEARN (www.aviationlearn.com)

Services include: E-courseware development, course, training development and learning solutions) **Chief Executive Officer Andy Ng** (andy@aviationlearn.com and

48. KIST Aviation Academy (KISTAA) -Sultan Mahmud International Airport with

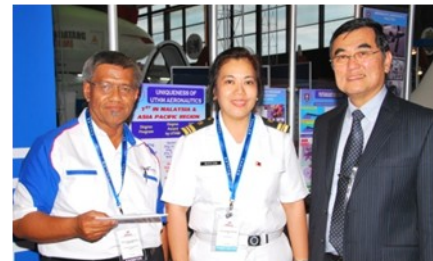
website www.kistaa.edu.my



Chief Instructor **Capt Mazlan Hussin**

(mazlan.kistaa@kist.edu.my +60199854023) and

Registrar Major **Mohd Ibrahim Bin Shikh Daud RMAF (Rtd)**



49. Universiti Tun Hussein Onn Malaysia (UTHM)-

www.uthm.edu.my- please see bag for Brochures on Bachelor of Aeronautical Engineering Technology (Professional Piloting) and (Aircraft Maintenance), and Bachelor of Engineering Mechanical (Aeronautics)

Head of department of Aeronautical Engineering and Faculty of Mechanical Engineering **Prof Ir Dr HJ Abas Bin AB Wahab** (abas@uthm.edu.my +6012 707 6158)



50. Consist College, Kuala Lumpur Malaysia (www.consist.com.my

or www.consist.edu.my) – safety, health and environment training and education (focus, quality, practical, complete, discipline, recognition- see brochure for the company profile)



Consist Founder and President Ar. Haji Mior ZAwari Hassan, B. Arch (Hons), UTM, APAM, APDM, Aff, RAIA (Consist Head Office Ampang Selangor Malaysia hq@consist.com.my and Consist Training Complex email: tc@consist.com.my)

51. Universiti Putra Malaysia (UPM), Serdang Selangor Malaysia (www.putra.upm.edu.my

(brochures on Aerospace Engineering, Faculty of Engineering, MS Innovation and Eng Design, and Conference on Recent Advances in Aerospace Technology or 4th AEROTECH on Nov 21-22, 2012 and all papers accepted to be indexed in Scopus and Thomson ISI were provided)

- Research and Innovation Excellence -Produced more than half of Malaysia's R & D products
- Top notch teaching – more than 73% academic staff hold Phd from reputable universities worldwide
- Worlds Class programs (53 Bachelor, 5 Diploma, 400 Postgraduate programmes, being taught by faculty with top notch credentials)
- International Recognition – awarded by both local and international research exhibitions
- Unbeatable location – 20-minute drive from KL, capital city of Malaysia
- Refreshingly green campus- ranked 6th out of 95 universities in the world (Ref: 2010 Greenmetric University Ranking)



52. The National University of Malaysia – Institute of Space Science (Angkasa) – www.ukm.my/angkasa
(Artic Research, Radio Astronomy Research, Antenna Research and GPS Application Research)

53. Universiti Kuala Lumpur, Malaysia Institute of Marine Engineering or UNKL MIME. Lumut Perak (Where Knowledge is applied – A New Niche in the Malaysian Education System (www.unikl.edu.my)

Strategically located at Lumut Perak, known as the home base of the Royal Malaysian Navy. The campus offers industry specific programmes as required by local and international Marine Engineering industries. It is worth noting that in 2008, UNIKL MIMET created history when the staff and students participated actively in the successful construction of 4-deep sea vessels. The project was a collaborative effort between UNIKL with Malaysia Co-operative Commission (MECD) and WNA Resources Sdn. Besides providing staff and students with experience and skills in ship construction, this particular project is also precedent to future synergies.

Head of Campus/Dean Prof Dato Dr Mohd Mansor Salleh, DSDK, JSM, FIMM, PhD Corrosion (Machester), Msc Metalurgy and Nabagenebt (Burnigham, BSc Mettallurgy (SWW Australia) – drmansor@mimet.unikl.edu.my) and Corporate Communication Division Manager **Juraya Dolit** (juraya@unikl.edu.my)

54. Universiti Teknologi, Kuala Lumpur and Joho Bahru Malaysia (UTM) – Inspiring creative and Innovative Minds www.sps.utm.my email upa@utm.my
(UTM brochures on A Guide to postgraduate Studies, Industrial PhD, Short Courses, Marine Technology Centre an Course, Unmanned Service Vehicles (USV) Low Speed Wind Tunnel, Undergraduate programmes and Financial Aid Schemes for Graduate Studies were provided)

UTM is initially established as a technical school in 1905, is the oldest technical university and largest engineering based in Malaysia, committed to provide innovation-based research, knowledge-driven, industry relevant and student centered programmes. It has 2 campuses (1,222 hectare in Johor, and 18 hectares in KL) offering more than 100 post graduate programmes in English, Science, Tech and social sciences supported by more than 500 graduate faculty staff with reputable academic excellence research faculty staff with reputable academic excellence research experience and international exposure /recognitions)

55. International Islamic University Malaysia (IIUM) (www.iium.edu.my) (brochure on academic programmes offered for 2011-2012 were provided)

56. National Defense University of Malaysia or Universiti Pertahan Nasional Malaysia (UPNM), Sungal Besi Camp Kuala Lumpur, www.upnm.edu.my. Director for Centre for Defense, Research and Technology (CODRAT) Prof Madya It Kol (b) IR.Hj Mohd Ghani B Mohd Madersah, E.Engr (UNSW, Australia). MSC Cranfield Univ I England), P Engr (Malaysia), psc (Indonesia) with email: ghani@upnm.edu.my



57. Malaysian Maritime Enforcement Agency (MMEA), 101 Resort Putrajaya Malaysia (Prime Minister's Department) www.mmea.gov.my – to guard, to protect, to save, we take it seriously. Special Officer To Director General Lt Cdr Maritime Zulinda Binti Ramly (zulinda@mmea.gov.my and + 60 19 400 2826) and Lady Master Mariner Zalina



58. Royal Malaysia Police (RMP)

Learned that Malaysia has a Royal Malaysia Police Museum (officially opened by Deputy Prime Minister Y.A.B. Dato Seri Abdullah b. Haji Ahmad Badawi on July 24, 1999) and it located along Jalan Perdana Kuala Lumpur that utilizes multi-media technology. It is open from Tuesday to Sunday at 10 to 6 pm except Monday and the admission is FREE. It exhibits a collection of artifacts (2,192) and information on the historical development of the police institution in Malaysia, which we appreciated as some of the photos displayed at the booth. (Web: www.muhiumpolis.com and email muhiumpolis@yahoo.com +60322725689)



59. Jabatan Bomba Dan Penyelamat, Putrajaya Malaysia (www.bomba.gov.my) Borhan Bin Madon, BPC, PPN, PKT, PJB, PKI (bob_burmadon@yahoo.com +60172132659)



60. Department of Fisheries, Malaysia



Thanks to our new found friends who provided us (myself, Dr. Aspiras, Lt Villamora, Chief Ballenas, and Chief De Rosario) 1 carry bag of food products containing fish Snack roll, wawa-A, Ikan Keli etc. We enjoyed the Langkawi products and bought plenty at the super-market for our snacks at LC 550 and for our give-aways upon return to the Philippines!

Other free magazines shared by various booths which may form part of PN Library (Proceedings of 2005 LIMA, HIS Fairplay dated Nov 24, 2011 (15 euro), Safety as Sea International dated Dec 2011, Jane's Navy International dated Nov 2011 Jane's defense Weekly dated Nov. 2011, DTI Defense Technology International (DTI) (\$ 6.00 Dec. 2011) and Proceedings of LIMA 2005 with 134-page papers on "*Enhancing Security in the Straits of Malacca: Amalgamation of Solutions to Keep the Straits Open*" edited by Nazery Khalid and published by MIMA

61. Tourism Malaysia "Truly Asia" (www.tourismmalaysia.gov.my)

Malaysia's Tourism Booth had provided impressive information and brochures about Malaysia and its islands and beaches with photos and maps.:

- The Central region (**Kuala Lumpur**, Selangor and Putrajaya. A region known for a place good to dine, shop, chill and to live it up
- East Coast Region (Pahang – where Genting Highlands is located about 51 kms away from KL, Ternagganu and Kelantan). A region known for its Traditions, Beaches and Highlands to make dreams dreams come true
- East Malaysia (Sabah, Sarawak and Labuan. A region known for nature, adventure and culture to gear for non- stop action.
- Northern Region (**Perak**, Penang named as UNESCO World Heritage City, **Kedah named as UNESCO global geopark** and Perlis) . A region known for its relics, islands and natural park to capture the excitement)
- Southern Region (Melaka named as UNESCO world heritage city, Negeri Sembilan and Joho). A region known for its history, heritage, recreation to feel the thrill..

With the brochures provided me, get to appreciate Malaysia the more as well as the places I have been privileged to visit.

- ⇒ Langkawi (dubbed as the birthplace of the northern region with a geological history of 550 million odd years) is known as the jewel in the crown of **Kedah** (most ancient state in Malaysia) located in Northern Region in Malaysia and borders of Thailand. Kedah is named as UNESCO Global Geopark. LIMA 2011 is held at MIEC, Langkawi Malaysia and LC 550 was docked at Porto Malai
 - ◆ Had visited geoforest parks, took a 919.5m long Langkawi cable car to the peak of Gunung Manchang and had gone cruises to the Dayang Bunting and Beras Basah Islands
- ⇒ Lumut is at **Perak** (dubbed as the Land of Grace) which is situated along the west coast (northern region) of Peninsular Malaysia covering 21,000 square meters. Perak means silver (world's richest in deposits in Kinta Valley)
 - ◆ Thru the kind hospitality of Lcdr Ziggy , RMN retired (CEO/owner of D'Aquarian services and married to a Filipina who I met at LIMA 2011 in their exhibit), had the good opportunity to tour Lumut and Manjung nice places as well as his company as well and the navy gallery.
- ⇒ Kuala Lumpur or KL which is Malaysia's Capital City and one of Asia's most dynamic city with 1.6million population is located at the central region. It was 4-5 hours drive from Lumut Perak. Had photo at the famous Petronas Tower and dine in a Chinese-Malay restaurant and shopped for some souvenirs at the mall.

GERTEKNIK Travel and Tours Sdn Bhd , Langkawi Kedah Malaysia and **LRV Travel and Tours, Kuala Lumpur** (www.gertekniktravel.com.my and www.lrvtraveltours.com)

Gen. Manager and Director Rushdan Md Noor (rushdan@gertekniktravel.com.my +60194794898)

Alun Alun Spa, Bayview Hotel and or Tropical Resort in Langkawi Malaysia www.alunalunspa.com email add is alunalunspa@yahoo.com

Insights, Recommendations and Concluding Remarks

◆ On Maritime and Aerospace

According to the **MIMA Director General of Dutuk Noor Aziz Yuman**, that in 2010, the **ship building and ship repairing industry** generated more than **RM 7.26 billion** to the economy while according to MRO Bt Abu Hasan Elvira Cor that the **aerospace manufacturing** contributed about US \$1.73billion (**RM 5.46billion**). These two sectors combined created more than **44,000 jobs**, many of them are highly-skilled ones. Malaysia has made impressive gains in this highly competitive sector. The nation's leading shipyards are capable of building durable, competitively priced vessels for the export markets, for example, in the off-shore support vessels, passenger vessel and marine leisure craft category.

The launch of the **Malaysian Shipbuilding and Ship Repair Industry Strategic Plan 2020** at the Langkawi International Maritime and Aerospace Exhibition (LIMA 2011) **on Dec 6 - 9, 2011** had given the much needed boost to the Malaysian ship building and ship repairing industry. The plan charts a new course for the industry's development and promotion as it contains action plans that aims to promote ship building and ship repairing with a view to enhance its contribution to the economy of Malaysia. At the core of the plan is the vision to make Malaysia's shipbuilding and ship repairing industry **a major player in the small to medium sized ship building market** and for Malaysia to make a name as a maker of quality high tech products and services in Malaysia.

This is in line with Maritime Institute of Malaysia (MIMA) efforts to promote the maritime industry as a national key economic area given that there are many activities within the industry that can generate high income for Malaysia as aspired by the New economic Model. Malaysian **Prime Minister** calls for the country to **expand its market share in areas such as aerospace MRO and ship building**. PM Najib said that Malaysia must be prepared to face "stiff competition" for foreign investments once Malaysia is no longer perceived as a cheap place to invest. He pointed to low cost giant AirAsia and shipping conglomerate MISC as the drivers of growth.

In one of the press conference at LIMA, it is worth noting that **Malaysia's Defense Minister Ahmad Zahid Hamidi** stressed that industrial offset programmes will play a key role in Malaysia's choice of fighter jets to replace the ageing MiG-29s. He said that the offset programs are "very important and a crucial part of the decision" and that Malaysia is currently carrying out evaluation studies in this area. He disclosed that there are five contenders for the 18 multi-role combat aircraft (MRCA) requirement- the **Eurofighter Typhoon, Boeing F/A-18, E/F Super Hornet, Saab Gripen, Dussault Rafale** and **Sukho Su-30MKM**. He confirmed that the option of a deal with Sukhoi that would include a Russian Indian **PJ-10 BrahMos supersonic cruise missiles** is one possibility. However he was quoted saying that the Eurofighter Typhoon was the best fighter jet. It can be surmised that the bidding manufacturers are expected to give details of what they can offer in this regard at LIMA 2011. He also said that Malaysia is very much focused on bilateral and multilateral discussions to resolve issues on territorial claims with China and said that informal discussions had taken place among claimant nations.

All developed nations have a comprehensive **Space Technology Development Programme**. As a nation on its way to acquiring developed status, it is important that Philippines examine itself in introspective terms on the directions that it needs to take in the development in the space and related technology programmes. Development of Space and Related Technologies remains a key avenue to fulfill the ambition of Philippines to move up the value chain and becoming a developed nation. To successfully execute this avenue Philippines needs to be innovative not only on the technology perspective but regulatory and socio-economic aspects as well.

It can be surmised that **Malaysia has many advantages and features** that can be leveraged on to make it an internationally competitive shipbuilding and ship repairing nation. These include excellent location along busy routes, rich offshore oil and gas riches, pro-business policies, good institutional framework, favourable maritime features for shipyard activities, good infrastructure and good human resources.

It has also notched **impressive achievements** in areas such as merchant shipping, port operations and offshore oil and gas. Keen challenges and opportunities await the Malaysia industry to carve a global niche for itself in the small-to –medium sized vessels category, but with the strategic plan in place, the road to ship building and ship repairing glory can be accomplished with certainty and clarity of purpose

A **multi-pronged approach** is suggested in the plan to enhance Philippines status and capability as a shipbuilding /ship repairing nation. These may include: Establishing a Business - friendly policies to support the growth of the industry, Strengthening the institutional framework, Reinforcing the said framework to ensure industry integrity and quality products and Attracting and preparing adequate workplace.

Based on my personal LIMA 2011 experience, observation and reflection, the Philippines is far left behind. This is validated by the latest **Defense Review Asia** (www.defensereviewasia.com), a must read publication provided from the Exhibit – please see inside the bag and read the following articles/ comments /reviews by:

- ◆ Gordon, Arthur from Hongkong (Dec-Jan 2012) '**A Look on the Surface –Asia: Pacific Warship Programmes** at Defense Review Asia' Vol 5 No 8 pp 13-17

The article says on p 16 to wit "*The **Philippines** desperately needs a multirole vessel that could be used for disaster relief missions and while reports have linked a deal to South Korea, this has not been officially confirmed.*"

- ◆ Pittaway, Nigel from Melbourne Australia (Dec-Jan 2012) "**Naval Combat Helicopters In Asia – Pacific**" at Defense Review Asia Vol 5 No 8 pp 18-20

The article cited 15 countries (Australia , Bangladesh, China, India, Japan, Malaysia, New Zealand, Pakistan, Singapore, South Korea, Taiwan, Thailand, Vietnam and Indonesia and as cited about the **Philippines** – to wit "*Although lacking a serious naval combat capability, the Philippine Navy operates the survivors of five MBB Bo-105Cs delivered in the 1970's in a search and rescue capacity. It has been reported in defense media that the country is looking to acquire two new helicopters for use abroad its ex US coast Guard Hamilton class Cutter Gregorio del Pilar, but no details have emerged as to which types are under consideration*"

- ◆ Martin, Guy form Johannesburg (Dec-Jan 2012) "**Asian Airborne Early Warning Programmes** at Defense Review Asia Vol 5 No 8 pp 30-34. From the article, it can be surmised that all Asian neighboring countries (India, Pakistan, China, Japan, Singapore, Taiwan, Australia, South Korea, Thailand and Russia) have their **respective airborne early warning programmes** but **NONE from the Philippines**.

Indeed there is a need to strengthen the Philippines defense capabilities as part of its modernization plan thru the **acquisition of new sophisticated navy vessel and navy helicopter or plane fighter** (even for psychological warfare with the incumbent and future enemies within and outside the Philippines).

Most of the **companies when asked what steps they are taking** to maintain their respective positions as supplier, their response are they are not just seeking to hold their market positions but more so to expand their military-technical cooperation with the countries in the region. They may have occupied a dominant position in some of their products or services, but they admit that everything has changed. They have observed that some countries have chosen a policy of diversification, while others are engaged in developing their own defense industries. Today, they opined that **it is the buyer, not the seller who dictates the terms**.

Hence in my visit at booths, I was requested to help them arrange a meeting with the boss, decision maker or one with recommendatory powers at PN as I have introduced myself as a reserve officer (researcher) tasked to **generate information for the modernization of the Philippine Navy and to note best practices**. The same have been reported to Cdr Cesista and Capt Torralba These companies (EMBRAER, BAE SYSTEM, D' AQUARIAN Services, ROSOBONOexport European Typhoon etc.) are **open to technology transfer, setting up licensed and joint production facilities**. They also have **proven success in working in**

The Philippines may have all the capabilities and human resources, however, while we may have all the intellectual capabilities to think and strategically plan to outwit the enemies, however, the state of the art navy transportation and aircraft by the enemies who will attack the Philippines will end its plan in just a split second.

At the outset, we may lack the sophisticated and state of the art vessels, aircraft and equipment, but we have excellent human resources. Knowing the current status of PN and its limited state of the art equipment and navy transportation for security and defense, the more I have developed strong admiration and respect to the men and women of the Philippine Navy and AFP in general as they are the ones sent on mission. Their confidence, skills, expertise, dedication, commitment, loyalty and other inherent characteristics of bravery is something that we can be proud of. However, these are invisible tools. More often than not, **visible tools are needed to manifest or display an aura of competitiveness and power** in terms of maritime and aerospace defense and security.

Just like the Philippines and other ASIAN countries, Malaysia also faces **several constraints and challenges in the maritime industry** namely: rising competition from shipyards in other countries, rising cost of raw materials, lack of economies of scale. Shortage of skilled labourers, excess capacity of yards and high reliance on labour intensive activities. These challenges pose a hindrance for Malaysian yards to fully realize their potential and for Malaysia to move up the value chain in ship building and ship repairing, Many Malaysians shipowners still order most of their ships from foreign yards due to inability of local yards to deliver vessels that meet the requirements of the shipowners. This has caused foreign exchange outflow and contributes to the current account deficit in Malaysia. Nevertheless, **Director General Yumun** said that it is encouraging to see the plan acknowledging these impediments and contains viable recommendations on overcoming them.

It is worth noting that the plan of Malaysia is focus in carving a niche which is in the category of **small to medium sized vessels**, an area where some of Malaysia's local yards are already excellent at. By **emphasizing on its strengths or at a segment which it is good at** and already has a competitive advantage, like vessels less than 120m long, Malaysia would capture a greater percentage of the local (80%) and global newbuilding market (2%) respectively by 2020 as envisioned by the plan.

In reference to the article by Mahadzire, Dzirfian from Kula Lumpur Malaysia (Dec – Jan 2012) Royal Malaysian Navy (RMS) Update “**Slow Growth on Capability Improvements**” at Defense Review Asia vol 5 No 8 pp 26-29, it can be surmised that Malaysia in its RMN update, is slowly but surely improving, towards enhancing its capabilities in all aspects, which the Philippines may emulate from its best practices to enhance its defense and security capability.

In my opinion this approach is good because compared with the various booths visited and the various brochures generated from the LIMA 2011 exhibit, **it would be difficult for Malaysia to compete or surpass the likes of the leading shipbuilding ASIAN nations** like China, South Korea and Japan in the ocean vessel category, as they are miles ahead in terms of capacity, productivity and ability in constructing and maintaining large sophisticated ocean –going merchant ships and even naval ships. In the same manner, Malaysia would also be able to corner the lucrative South China Sea offshore (80%) and Straits of Malacca repair (3%) markets respectively as aspired by the plan.

It is opined, that if the Philippine Navy FOIC service is long term, more could have been accomplished at PN in terms of its planned modernization in line with PN biannual participation at the LIMA for the past 20 years. In Philippine military system, age 56 (birthdate) is the retirement date or end of service, which is still very young and at an age wherein experiences, contacts earned and all the skills generated can be applied for the enhancement of the PN. One or two years term would not be enough to accomplish the plan. For instance, a very good example is MAAP which is admirably led by a former FOIC, who retired from the Navy on his 56th birthday on October 16, 1999. This I witnessed as invitee by friends from the Navy being former Director of the Philippine Merchant Marine Academy (1997-1998) wherein FOIC sits in the PMMA governing board and in 1999, as the MAAP Executive Dean and now

Being a pioneer of MAAP, I have documented the fast development and modernization of MAAP and how the welfare of its employees are well taken care of. MAAP and AMOSUP are indeed fortunate for having availed of the retired former FOIC as his expertise, strategic planning, leadership skills and plan for the modernization for Philippine Navy and welfare of its men, were very much visible at MAAP, already on its 14th year of impressive operations with many innovative programmes and infrastructures. He was a loss for PN and a gain for MAAP and AMOSUP.

Seemingly, there are so many protocols in the Navy that need to be followed, hence most of the time, while still waiting for the approval of the head and other agencies, other countries are already implementing the plan thru technology innovation and partnerships. There is no follow up and no sealed connections that may take place

To cite an example is the incumbent FOIC (VAdm Alexander PAMA for instance) no matter how brilliant or visionary he is, with exemplary performance and plans, but when he reaches the age of 56 in December 2013, he has to leave his post to be continued by the next FOIC who may have other priorities or concerns. There is a fast turn-over in the sensitive position as FOIC. In my opinion, FOIC position being competitive and well-selected must serve at least 5 years to accomplish a medium term plan which may be extended to another five years depending on the performance so there will be continuity until the strategic plan is accomplished. It must be cost effective that would generate income in terms of services and products produced thru MOA with other countries similar to what Malaysia and other Asian countries, .

With these, then the Philippines would regain its power not only in maritime defense and security but also power in terms of currency. The 1RM with Php 16 value for the Philippines, is an indicator that indeed Malaysia is more developed than the Philippines which is also very visible during the maritime and aerospace exhibition and they have partnered with various companies as shown in my report thru MOA for the shipbuilding and ship repair services etc.

◆ On other Booths visited

Having visited Malaysian booths like tourism, educational, research and other government agencies, some of Malaysia's best national practices are noted as follows :

⇒ **Students to redeem RMB 200 voucher for purchase of school materials**

Starting Jan 2012, under the leadership of Prime Minister Najib, about 1.2 million local students pursuing tertiary education in both public and private institutions of higher learning can redeem their book vouchers not convertible to cash (RM200 or Php 3,200) at participating bookstores for purchase of books, journals and other school materials or supplies. **Higher education Minister Datuk Seri Mohd Khaled Nordin** said that to qualify, students must ensure that their MyKad numbers (national ID) and endorsement from institutions of higher learning were on the vouchers. On the other hand bookstores may claim their money from Bank Simpanan Nasional until April 30, 2012. On the other hand, for primary and secondary students, a one-off schooling assistance of RM100

⇒ **Intensive English Language Course**

In Malaysia, the teaching and learning of English is only for 5 hours a week because the medium of instruction in Malaysia is Bahasa Malaysia, however for foreign students whose mother tongue is not English and is attending regular schools in Malaysia, a one-year Western Australian fully sponsored intensive language course involving teaching, learning and understanding of English is done for 5 hours daily which is compulsory to all foreign students. **Deputy Prime Minister who also serves as Education Minister Tan Sri Muhyiddin Yassin** said that the course was effective as students were able to master English within a year and therefore may be emulated by Malaysia thru incorporation of the said English course into the education system to enhance the teaching of English in schools. The education ministry would study if it was viable for pre-schoolers to attend the language course for a year before they started formal schooling (year 1),

⇒ Review of the current education system

In the academic paper by Datuk Prof Emeritus **Dr. Abu Bakar Nordin of the University Malaya** entitled “*Equity: Problems in the Implementation of Education Policies and Reforms in Malaysia*” wherein it was highlighted that performance, despite having its own advantages does not help in either accessibility or achievement and thereby it is anti-ethical to quality. Challenges to equality in education, including inadequate infrastructure, segregation of low – performing and high performing students and political decision affects the curriculum. He said that one needs only to look at the current political antagonism and indecision towards using English to teach Science and Mathematics in recent years to see how politics can influence curricula and pedagogy for good or for ill. He further observed that the present curriculum and the surrounding political climate of the classroom among other things which perpetuate inequality have to be examined and overhauled. He observed that segregation of students or streaming them is ethically wrong and does not help provide equal education opportunities to all. He also opined that streaming according to performance, despite having its own advantages does not help in either accessibility or achievement and is therefore anti-ethical to equality. **Malaysian Association for Education President Datuk Prof Dr Ibrahim Bajunid** said that Abu Bakar’s views on his paper should not be ignored as he is a leading authority on curriculum structure and instructional technology and his views are founded based on experience and objective observations which is for the interest of students and nation.

On the other hand, Michelle Chun said that the **Deputy Education Minister Datuk Dr. Wee ka Siong** insisted that the national curriculum and public examination systems are up to international standards as they are constantly being reviewed by a panel that include experts from foreign examination boards. Also there is a special team that visits schools to ensure teachers are teaching according to syllabus. He also defended the system of streaming students, as he said that it is pointless to place low-performing students into science stream when they would have to struggle with their students and not able to cope. Reality must be faced he said. Hence, there is a pioneer project encouraging low – performing students to take up vocational classes so that even if they drop out after the Sijil Pelajaran Malaysia, they would have a skill. He also said that 80% of Malaysian workforce is unskilled and that they are working to combat that.

According to the **National Union of the Teaching Profession Malaysia President Hashim Adnan**, the ministry is always looking to provide equal opportunities to all students. Developing the curriculum is an on-going process and is still on going today. He emphasized that its not easy to change the curriculum overnight. He also added that the system provided remedial classes for slow learners and were not forgetting the low-performing students as they are constantly looking for ways to help them catch up.

It can be surmised that the academicians feels that a review of the national education systems is needed to safeguard equal education opportunities for every child , but the ministry (government) considers the current system satisfactory as it continuously being reviewed and improved from time to time.

⇒ On Community Extension Services (Lembah Puntal Community Centre)

With Jan 9, 2012 deadline for submission of accomplished forms about 5.2 Million or 79.5% of households in Malaysia earning less than RMB3,000 a month (heads of family ,single parents or individuals with dependents and senior citizens living alone) may apply for the one-off aid of RMB500 aid. The prime minister Najib said that the unprecedented one-off aid would reduce the impact of the rising cost of living on the low income group and ease their financial burden. **Financial Minister II Datuk Seri Ahmad Husni Hanadzlah** said that the forms could be collected at the government agencies, including inland revenue board branches. **State Federal Action Council chairman Datuk Mohd Johari Baharum** said that the eligible recipients could obtain.

In conclusion, the shipbuilding and ship repairing industry has a wide reach and generates significant multiplier effects to Malaysia's economy and this should not come as a surprise.

As observed in the various booths of Malaysia exhibits, that their industry encompasses an impressive host of activities such as education, training, business, tourism designing, manufacturing, maintenance and services and many more and the same have already been manifested in these documented report.

There are still more to propose for the Philippines to regain its power, but we can do it one at a time and it would require a very strong political will and fast decision for fast implementation or execution by all concerned agencies not only the Philippine Navy but also other sectors like National Defense, Air force, Office of the President etc.

As shown, many companies would like to tie up with the Philippines but they do not know whom to contact. These report documents all the websites and contact email addresses of all concerned companies who may invest in the Philippines for shipbuilding and ship repair. There is a need to be pro-active in this regard. Although it may be true that opportunity is around and only knocks once and if it knocks, one must grab it immediately but in the real world considering that everybody is busy, opportunity never knocks, we can wait and wait but it will never knock, the best thing is to create the opportunity thru appropriate actions to make it happen. Impressive strategic plans are useless unless implemented to get the results.

It is interesting to note the quotation from the SAPURA Group, taken from their souvenir notebook/organizer, ***"IDEAS do not come to those who wait. They come to those who INNOVATE."***

"The people who get on in this world are the people who get up and look for the circumstances they want and if they can't find them, make them." --
George Bernard Shaw, Nobel Laureate in Literature 1925