



## MALAYSIA BECKONS DEFENCE INVESTMENTS

Prime Minister Tun Dr Mahathir Mohamad has assured that his government would continue to facilitate investment projects and business partnerships as well as provide platforms for the aerospace and maritime industries. "The investment in the security sector will involve equipping the Armed Forces with the state-of-the-art technologies and weaponry. We plan to make Malaysia the leading aerospace

nation in South East Asia and an integral part of the global market whereby this was spelt out under the Malaysia Aerospace Industry Blueprint 2030," Dr Mahathir said. Dr Mahathir said that Malaysia should look at other opportunities in the industry particularly in ship designing; parts and components manufacturing; system integration; and other marine equipment production.

Under the 2019 Budget, Malaysia has allocated a total of RM5.9 billion for the security sector which covers defence, public order and enforcement. The introduction of Langkawi International Maritime and Aerospace Exhibition (LIMA) in 1991 helped to trigger Malaysia keep up with the rapidly developing defence industry, according to the premier. ■

### ANKA EYES MALAY SKIES

With Malaysia planning to acquire a sizeable number of unmanned aerial vehicles (UAVs), Turkish Aerospace Industries (TAI) is showcasing its Anka MALE UAV for the first time at LIMA 2019.



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### OVERHAULED SUKHOI OF RMAF

First Sukhoi SU-30 MKM overhauled in Malaysia was received by the Royal Malaysian Air Force (RMAF) on the inaugural day of the LIMA 2019.



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### BDL'S NEW TORPEDOES

Indian state-owned defence firm Bharat Dynamics Limited (BDL) is promoting its two new torpedoes for the regional market at the ongoing LIMA.



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## NON-MILITARY USE OF GA- ASI AIRCRAFT INCREASING: KRAFT

Even though the company is mainly known for its military drones, the use of General Atomics Aeronautical Systems, Inc. (GA-ASI) aircraft for non-military purposes has increased significantly in recent years, Terry Kraft, GA-ASI regional vice president of international strategic development for Southeast Asia Pacific, has said.

"We have seen more aircraft used for things like wide-area surveillance of large gatherings or critical infrastructure. MQ-9s have responded to a wide range of natural disasters in the US, such as fires in California and flooding in Texas and Florida. RPA have been used to create cellphone communication networks when land-based facilities are not available. We see continuous growth in these areas," Kraft told Daily News in an interview.

### **The Royal Malaysian Air Force is considering GA-ASI's MQ-9B SeaGuardian as it looks to expand its fleet. What makes the SeaGuardian ideal for the RMAF?**

Malaysia has critical needs that are currently difficult to meet. Specifically, in the areas of control of Malaysia's exclusive economic zone, control of smuggling and illegal activities at sea, and response to natural disasters. With over-the-horizon capabilities, the SeaGuardian can respond to these challenges covering over 540,000 square nautical miles with over 35 hours of continuous endurance. When backed by the significant experience of GA-ASI for the introduction, operation and support of the RPA, the MQ-9B SeaGuardian would prove to be a game changer for broad area ISR for the Malaysian Armed Forces and other government agencies.

### **What makes the RPA attractive for militaries?**

The SeaGuardian has an unmatched range of both military and civil applications. What is unique about an RPA with satellite capability is that it can put advanced sensor anywhere needed for very long periods of time. This "unblinking eye" has proven very popular for surveillance needs – in fact General Atomics RPAs are airborne in 70 continuous orbits around the world providing overwatch 24/7. Besides watching movements in a particular area, General Atomics RPAs can ensure safety of military units as they engage in contested areas, thus saving lives.

### **What other programmes are GA-ASI pursuing in the Asia-Pacific and Southeast Asia regions?**



GA-ASI has received notices from both India and Australia that those countries intend to procure MQ-9 aircraft. Many other countries are evaluating the platform for their use with the MQ-9 family commonly referred to as the 'warfighters' choice.

### **How far is GA-ASI in its efforts to make MQ-9B to be the first RPA to fly in civil airspace? How important is the landmark for the company?**

The ability to be certified to operate in civil airspace is critical to the future of RPA. GA-ASI has worked with NASA, the FAA, Honeywell and the US Department of Homeland Security for over seven years to create a system that will allow RPA to operate safely alongside manned, civilian aircraft in controlled and uncontrolled airspace. GA-ASI is unique in that we are the only RPA developer that will field this capability in the near future, beginning with the Protector model of the MQ-9B in the UK. Being certified means that every component of the system, from the aircraft, to the links, to the ground control station, meet stringent ICAO, FAA and other international standards. ■

## BDL Makes Export Pitch for Indian Torpedoes

Indian state-owned defence firm Bharat Dynamics Limited (BDL) is promoting two new Indian torpedoes at the ongoing LIMA. BDL is offering the Torpedo Advanced Light (TAL) and heavy weight torpedo (Varunastra). The Indian light torpedo is being exported to the Myanmar Navy, which placed orders in 2017. Deliveries from this order has largely been completed by BDL and a second order is being negotiated for currently. The Indian Navy has also placed substantial orders for TAL. "These torpedoes are now attracting interest from export customers as they are highly cost competitive and very accurate. The Indian Navy is also extremely pleased with the product support being provided by BDL. We are offering TAL to Malaysia," Gp. Capt B Mathews (Retd) DGM Exports at BDL tells Daily News. P. Radha Krishna GM (K-M) at BDL also tells Daily News, that the Varunastra is now being offered for export to countries in the region and the Middle East. ■

## LIMA Debut for Mi-38 Helicopter



Russian Helicopters is showcasing its new Mi-38 helicopter at the ongoing LIMA, marking the show debut for the utility helicopter. Also displayed are Mi-171A2 and Ansat civil helicopters that flew approximately 5,000 km as part of their 2018 SE Asia demonstration tour, where the aircraft were showcased in China, Vietnam, Cambodia, Thailand and Malaysia. The company says that it plans to hold meetings

with partners from Cambodia, Thailand, Malaysia and Indonesia at the ongoing airshow. Discussions will also be held with its Vietnamese customers for coordinating terms of civil helicopters supply.

"Following the results of the Heli Tour, we negotiate projects for the supply of Mi-17 type (including Mi-171A2, Mi-17-1VA 'Flying Hospital'), Mi-38, Ansat, Ka-226T and Ka-32A11BC helicopters to Southeast Asia countries. In accordance with the requests for helicopters delivery received during the Heli Tour, we negotiate configurations along with financing structure of the helicopters delivery," said Igor Chechikov, Deputy Director General for aftersales service and head of delegation of Russian Helicopters Holding Company. Mi-38 is a utility helicopter that sits between the medium Mi-8/17 family and heavy Mi-26 helicopters. The helicopter is powered by TV7-117V engines and features an integrated flight control and navigation suite and explosion-proof self-sealing fuel system. ■



## ENAV Asia Pacific Bullish on Emerging Markets

The Asia-Pacific unit of Italy-based ENAV S.p.A. is looking at expanding its management and consultancy services for air traffic control in the region. “With outstanding expertise in Air Traffic Management operations and services, we are the ideal partner for any air navigation service provider and aviation industry aimed at improving and modernising airspace and airport systems,” Mauro Iannucci, CEO ENAV Asia Pacific says.

Enav Asia Pacific is currently providing project management and technical services to

the Ministry of Transportation of Malaysia and Civil Aviation on the new Kuala Lumpur Air Traffic Control Centre (KL ATCC) at the Kuala Lumpur International Airport (KLIA) and Sabah-Sarawak. The KL ATCC is one of the biggest control centres in the world with 24 sectors and state of the art tech, and ENAV Asia Pacific has been assisting the ministry of civil aviation and the Ministry of Transport on the project. Commenting on the participation at LIMA, Iannucci says, “LIMA is also a very good opportunity for us to interact with customers in the region.”

Also, with the total acquisition of the Air Navigation Division of IDS – Ingegneria dei Sistemi SpA, Italy-based ENAV hopes to augment its Air Traffic Management (ATM) services and technologies portfolio in the non-regulated business. “The combination of the commercial offerings will enable ENAV to further strengthen its ATM services and technologies portfolio in the non-regulated business and, by enriching our product line-up and expanding our geographical footprint, we will position ourselves as one of the leading international players in the sector. The integration of the activities and personnel of IDS will reinforce the competitiveness and distinctive positioning of ENAV delivering synergies also in its regulated business,” says Iannucci.

The Air Navigation Division is active in the development of software solutions for aeronautical information management and ATM. IDS is one of the leading providers of select ATM products and services worldwide, serving over 100 clients, including ENAV, in Italy, Europe and in extra-European countries. “The division subject of the transaction provides a comprehensive set of solutions that complement ENAV’s existing offering, in particular in relation to the planning of airspace design, the management of aeronautical information database and other ancillary services,” he adds. ■

## LEONARDO EYES REGIONAL GROWTH

As deliveries of Leonardo’s AW189 super medium helicopter and other rotorcraft types continue to grow in the Asia Pacific region, Leonardo has hundreds of its helicopters performing missions such as offshore, utility, homeland security, law enforcement, search and rescue, emergency medical services, maritime patrol, military naval roles and armed reconnaissance. Leonardo continues to expand its presence in the Malaysian market and is increasing its capabilities here and already operates a regional hub for Customer Support and Training near Kuala Lumpur,

The Italian manufacturer is also looking for greater success in the firefighting market. The AW189 has proved popular with firefighting operators and Malaysia’s Fire and Rescue Department (Jabatan Bomba dan Penyelamat Malaysia) and Korea’s Seoul Fire Department are beginning operations

with their AW189s. Following these two operators of the AW189 will be the Tokyo Fire Department, who will also add the super medium helicopter to their fleet.

As the Asia Pacific region is considered by the company as having the strongest growth prospects for its aerospace and defence capabilities, Leonardo is attaching heavy importance to its activities here.

Leonardo’s AW139, AW169 and AW189 helicopters are proving popular for firefighting, search and rescue and disaster relief requirements. Malaysia, South Korea, Japan and Australia are the key markets in the region, for Leonardo, which was the number one civil helicopter manufacturer in terms of value in 2018 with a 40 percent market share, an increase of seven percent as compared to 2017. ■







Global Business Press (GBP) Aerospace & Defence will be present at Mexico Aerospace Fair (FAMEX) 2019 to be held from April 24 to 27 at Santa Lucia, Edo. Mexico.

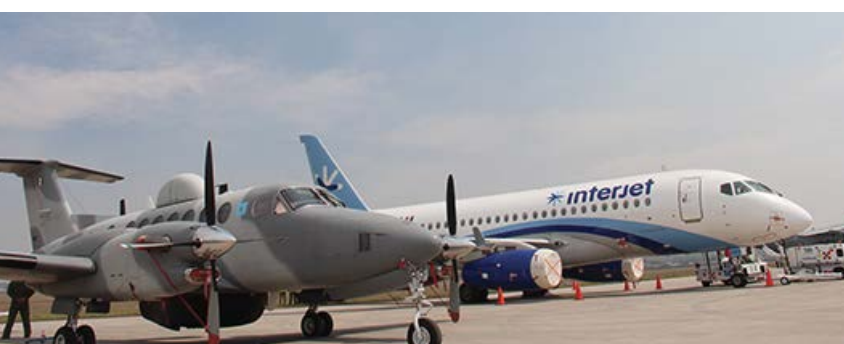
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## ► HIGHLIGHTS

- 2,000 printed copies of DAILY NEWS will be distributed onsite to conference attendees, at exhibitor stalls & visitors.
- Daily News is a popular offering at defence shows and trade exhibitions worldwide, due to its handy size and quality editorial content.
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- 8,000 copies will be emailed every morning of the show to industry professionals and military officers worldwide, with a special focus on the region.
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# GBP AEROSPACE & DEFENCE



## Anka Eyes Malaysian Skies

With Malaysia planning to acquire a sizeable number of unmanned aerial vehicles (UAVs), Turkish Aerospace Industries (TAI) is showcasing its Anka- the advanced medium altitude long endurance class unmanned aerial system- for the first time at LIMA2019. "The export negotiations for Anka UAV Systems, which is the most closely related type of interest for Asian countries, is continuing," a TAI official informs. Malaysia is looking at equipping the Royal Malaysian Air Force (RMAF) with new UAVs to strengthen maritime surveillance.

TAI has been ambitious in the Asia-Pacific region. The company showcased the UAV at Indo Defence fair in Jakarta last November. "We are maintaining close contacts with Jakarta in order to meet specific Indonesian requirements," the official says, confirming that TAI is bidding for the UAV programme requirement of Indonesia by

offering its Anka UAV.

At LIMA the UAV system is exhibited with its satellite communications system, as well as with its weapon suite that includes Roketsan's 22 kg MAM-L Smart Micro Munition. Anka, advanced Medium Altitude Long Endurance (MALE) class Unmanned Aerial System, performs day and night, all-weather reconnaissance, target detection / identification and intelligence missions with its EO/IR and SAR payloads, featuring autonomous flight capability including Automatic Take-off and Landing.

Anka incorporates a heavy-fuel engine and electro-explosive Ice Protection System with an Advanced Ground Control Station and dual datalink allowing operational security and ease. The system is expandable with a Transportable Image Exploitation Station, Radio Relay, Remote Video Terminal and SATCOM. ■

## Viking Looks at Malaysian Market

Utility and amphibious aircraft manufacturer Viking Air is hopeful, that emerging Malaysian requirements would create a need for its Series 400 Twin Otter and Guardian 400 (military variant of the Series 400 Twin Otter) twin-engine turbo-prop aircraft. The airframer is promoting the two platforms at the ongoing LIMA.

"In addition, we are also promoting our CL-415EAF "Enhanced Aerial Firefighter" – a turbine conversion programme to modernize and further enhance the fire-fighting capabilities of the Canadair aerial firefighter," the company's spokesperson Angie Murray tells Daily News. "As the leader in 19-passenger, utility and amphibious aircraft, "we see great market potential for these aircraft in the SE Asia," she adds.

The airframer is also offering its Guardian 400 as the most cost-effective, versatile and reliable maritime patrol & surveillance aircraft available on the market today. It features a robust airframe, versatile landing configurations (floats, wheels, and intermediate flotation gear), and flexible architecture for integrating special missions equipment based on operator requirements. As the OEM, Viking also provided full product support to the Canadair CL-415MP amphibious aircraft, currently in use in Malaysia in support of coastal patrol operations.

Viking has several operators in the region who are successfully are operating its platforms including commercial 19-passenger regional commuter, maritime surveillance & patrol, special missions, critical infrastructure, and industrial support operations. ■

## Russia To Get 6 New Il76MD-90A

Ulyanovsk-based aircraft-making enterprise Aviastar-SP plans to manufacture and deliver six Il-76MD-90A military transport planes to Russia's Defence Ministry in 2019, the Ilyushin Aircraft Company has announced.

The first Il-76MD-90A plane with the factory No. 0109 from the pre-production batch will be handed over to Russia's military in the coming days. "Currently, the new transport plane is being accepted by the operator," an official of the company says, adding another plane with the factory No. 0110 is completing flight tests and is also being prepared for its delivery." Russia's Defence Ministry signed a contract in 2012, under which the Aviastar-SP



enterprise, part of the transport aviation division within the United Aircraft Corporation (UAC), is to manufacture 39 Il76MD-90A planes for the Russian Armed Forces. Overall, the Russian military is set to acquire more than 100 Il-76MD-90A transports.

The Il-76MD-90A is a heavily upgraded version of the Il-76MD military transport. The latest modification of the widely known military transport plane is distinguished by its new equipment, including the glass cockpit, modern PS-90A-76 engines, the modified wing and the enhanced landing gear. Russia is also developing an Il-78-90A aerial refueling tanker based on the Il-76MD-90A. ■





# Russia Strengthens Malaysian Presence

The Russian defence industry is making a major push to increase its military cooperation with Malaysia at the 15th edition of LIMA. The Russian participation at the ongoing airshow is led by Rosoboronexport (part of the Rostec State Corporation). The highlight of the Russian presence at LIMA, is the maiden appearance of the Irkut Corporation Yak-130 light combat aircraft and advanced jet trainer. The

Russian Knights aerobatic team and their Su-30SM fighters make a reappearance over Malaysian skies.

“Rosoboronexport is working actively on various strands, including the supplies of Russian-made final products, after-sales service and modernization of the combat aviation equipment, which has been previously supplied to Malaysia. We are going to organize a number of events

at the LIMA 2019 exhibition, which will be aimed at the intensification of our cooperation with the Ministry of Defence and other law-enforcement agencies of the country,” says Rosoboronexport’s Director General Alexander Mikheev. Over the last 25 years, Malaysia has purchased USD2 billion dollars of military equipment and services from Russia.

The 9 holding companies from Russia’s defence-industrial complex, including the United Aircraft Corporation public company, JSC Russian Helicopters, JSC United Shipbuilding Corporation, JSC United Engine Corporation, JSC High Precision Systems, JSC Techmash, Kronstadt Group and Vympel Shipyard are showcasing over 500 defence products.

“LIMA 2019 will give a new impetus to the development of our cooperation with Malaysia as well as with the entire Asia-Pacific Region. The Asia-Pacific Region is one of the key markets for Rostec, and it makes around 40 percent of all the supplies provided by Rosoboronexport,” says Rostec’s Director General Sergey Chemezov.

Amongst the new products being showcased are the AK-12 and AK-15 Kalashnikov assault rifles, BT-3F armoured personnel carrier and Ilyushin Il-76MD-90A(E) military transport aircraft. ■



# RMAF RECEIVES 1ST MALAYSIAN OVERHAULED SU-30 MKM

Malaysian fighter aircraft maintenance firm Aerospace Technology Systems Corp. Sdn Bhd (ATSC) has successfully completed the ‘Preventive and Restoration Works (PRW)’ for 10 years calendar inspection of a Royal Malaysian Air Force (RMAF) Sukhoi SU-30 MKM fighter jet marking a major indigenous success for the Malaysian aerospace industry. While the upgrade of a single SU-30 MKM in Russia would have cost Malaysia USD28 million, the work was performed by ATSC at a cost

of only USD11 million.

The first overhauled SU-30 MKM Serial No. M52-11 was received by the RMAF on the inaugural day of LIMA 2019. ASTC has also completed Service Life Extension (SLE) programme for two more SU-30 MKMs. The remaining 15 SU-30 MKM aircraft in the RMAF fleet will also be upgraded in a phased manner.

The maintenance work on the aircraft was completed two weeks ago and will be a major boost to the RMAF’s quest to keep

a greater proportion of its fighter assets operationally serviceable.

“This achievement has developed in-country capabilities which indirectly sparked ‘Merdeka’ mentality by having significant access on technical know-how, courage and inspiration. Also, becoming less dependent to the OEMs. This continuous effort is in line with government aspiration to develop local expertise and resource. It is part of my sole responsibilities to ensure ownership and operating cost are very much low throughout this 10-year calendar inspection...,” said Lt Col Dato’ Mohd Fadzar bin Suhada RMAF (Rtd), who heads the ATSC.

ATSC is now looking to perform similar maintenance work on three more SU-30 MKMs. “It is now proposed to undertake a 2nd phase to replace obsolescent components and line replaceable units (LRU) and a more comprehensive 3rd phase to upgrade the capabilities of the SU-30 MKM and we have shared our plans with the RMAF and Government,” Dato’ Edron Hayata Ahmad, MD ATSC tells Daily News. At present the RMAF has 10 out of its 18 SU-30 MKMs operational. A team of 30 ATSC professionals of Malaysian origin were involved in the maintenance work, which basically focussed on the structural aspects of the SU-30 MKM. ■



**SeaGuardian**

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