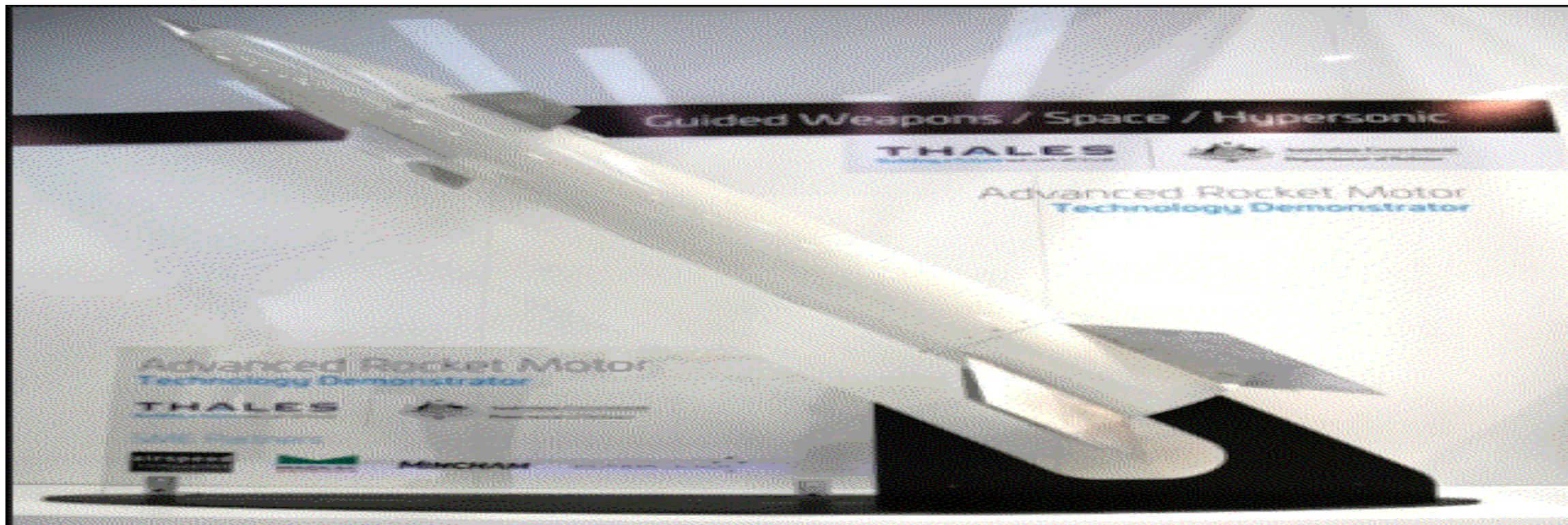


## Title : Thales to Develop Advanced Rocket Motor for Australia's Hypersonic Weapons Program

Date : Our Bureau 12:35 PM, January 26, 2022 68



Thales Australia will start the development of a rocket motor for Australia's hypersonic weapons. The Australian Hypersonics Research Precinct unveiled by Defence Minister Peter Dutton at Eagle Farm in Brisbane today will accelerate collaboration between Defence, industry, universities and international partners to advance Australian development of hypersonic technology. Thales Australia is supporting the government's national security objectives through its Collaborative Research and Development Program delivering Advanced Rocket Motor Technology. "Thales is proud to work with a range of SMEs including Southern Launch, Airspeed, Mincham and Mackay Defence, who will deliver specialised technology for the complex program including tooling and precision engineering, specialised polymeric insulation products, composite cases, as well as design and launch services," said CEO of Thales Australia, Chris Jenkins. Thales Australia already works with more than 600 Australian small and medium enterprises and a large range of weapons systems.



## Title : Kalashnikov Group's Kamikaze Drone Cleared for Export

Date : Our Bureau 11:16 AM, January 26, 2022 113



The Kalashnikov Group's kamikaze drone KUB-E guided munitions system has received export permit from Russian authorities making it possible to promote this product abroad. “The Kalashnikov, Group, together with Rosoboronexport, is ready to start promoting the KUB UAV on the international market, including during intergovernmental commissions and international exhibitions. It should be noted that this drone already has a successful experience of combat use, confirmed in real conditions,” the press service of the Kalashnikov Group said. The KUB-E kamikaze drone was developed by ZALA Aero (part of the Kalashnikov Group). “Today, there are practically no drones with similar weight and size on the world market. The dimensions of the KUB-E are 1210\*950\*165 mm, while it can carry a payload of up to 3 kg,” Kalashnikov said in a release. KUBs can be used to strike at infrastructure facilities, enemy manpower, as well as lightly armored targets. The KUB operates silently and reaches speeds of up to 130 km / h thanks to its electric power plant and can spend up to 30 minutes in flight. It can also be used as part of a swarm. During the first public display of the at the IDEX-2019 international exhibition in Abu Dhabi, the drone received significant interest from international military delegations visiting the event.



## Title : Egypt Approved to Buy C-130 Aircraft, Air Defense Radar

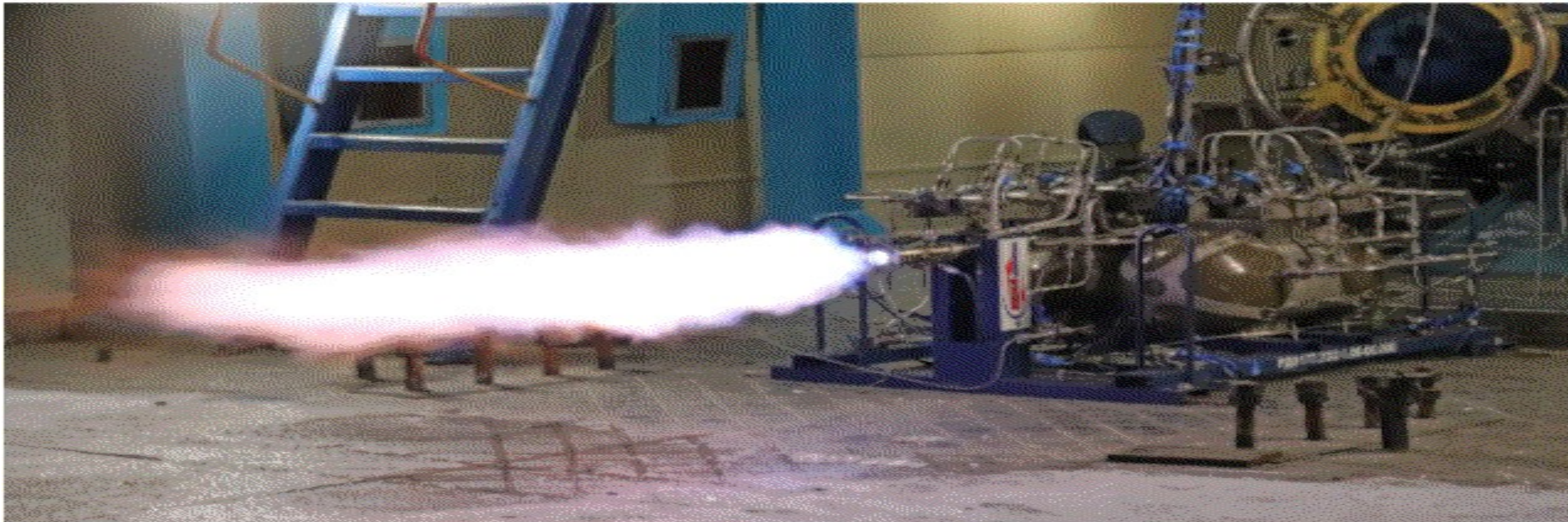
Date : Our Bureau 08:17 AM, January 26, 2022 351



The U.S. State Department approved the possible Foreign Military Sale to the Government of Egypt of C-130 aircraft and Air Defense Radar Systems, and related equipment for \$2.5 billion. The Defense Security Cooperation Agency (DSCA) delivered the required certification notifying Congress of this possible sale today. The Government of Egypt has requested to buy three (3) SPS-48 Land Based Radar (LBR) manufactured by L3 Harris, spares, motor generators, repeaters, radomes, technical manuals, site surveys, installation, calibrations, testing, operator training, and maintenance training associated with the SPS-48 LBR; obsolescence replacements of processor, track management system, communication equipment, uninterrupted power supply (UPS), generators, and/or Transmitter Control Unit in fielded SPS-48 LBR systems; updated built-in-testing (BIT) and overhaul of fielded SPS-48 LBR antenna systems; and other related elements of logistical and program support. The estimated total program cost is \$355 million. Egypt already operates previously procured SPS-48 Land Based Radars.

## Title : Rostec Tested Parts of a New Ignition system for Reusable Space Rockets

Date : Our Bureau 07:14 AM, January 26, 2022 333



Rostec State Corporation's Technodinamika holding has supplied elements of the ignition system for the ignition device of the RD-0177 engine to the Roscosmos enterprise (JSC KBKhA). The devices are designed for engines of the return stages of Amur-SPG rockets and other space launch vehicles. "To be used in the engines of the return stages of launch vehicles, the ignition system must be reusable. The engine igniter plug, as well as the ignition unit, created by Technodinamika, were also tested for this parameter - as part of the test program, it was successfully switched on eight times," Igor Nasenkov, General Director of the Technodinamika holding said. The elements of the ignition system are a special spark plug integrated into the ignition device of the engine, as well as an ignition unit. Their main feature is increased structural strength and the possibility of reusable use. The products were created by the Ufa research and production enterprise Molniya of the Technodinamika holding. Ignition systems developed by UNPP Molniya were used in the Energia launch vehicle, which in 1988 launched the Buran reusable spacecraft into orbit.



**Title : Not Subject of Kuwait Eurofighter Corruption Investigation: Leonardo**

**Date : Our Bureau 02:15 PM, January 25, 2022 1159**



Italy's Leonardo said it is not subject of a judicial investigation in relation to the Kuwait Eurofighter program. The country signed a \$9 billion order with Leonardo in 2016 for 28 Eurofighter Typhoon fighters. On Monday, Kuwait's Anti-Corruption Authority said that a major general and colonel in the Army would face prosecutors in a major corruption case related to this purchase. The high cost of the deal raised eyebrows when compared with similar purchases of these combat planes across the Middle East. Qatar paid an estimated \$6.9 billion for two dozen of the same jets with shipments beginning next year. For a total of 72 Typhoons, Saudi Arabia paid an estimated \$6 billion, albeit for an older generation of planes. It also reached a deal with the U.K. valued at some \$5 billion to purchase an additional 48 planes a decade later. The Kuwait Air Force received first two Eurofighter aircraft last month.

**Title : Kongsberg Achieves Factory Acceptance Test for Australian Ground-based Air Defence**

**Date : Our Bureau 01:50 PM, January 25, 2022 1161**



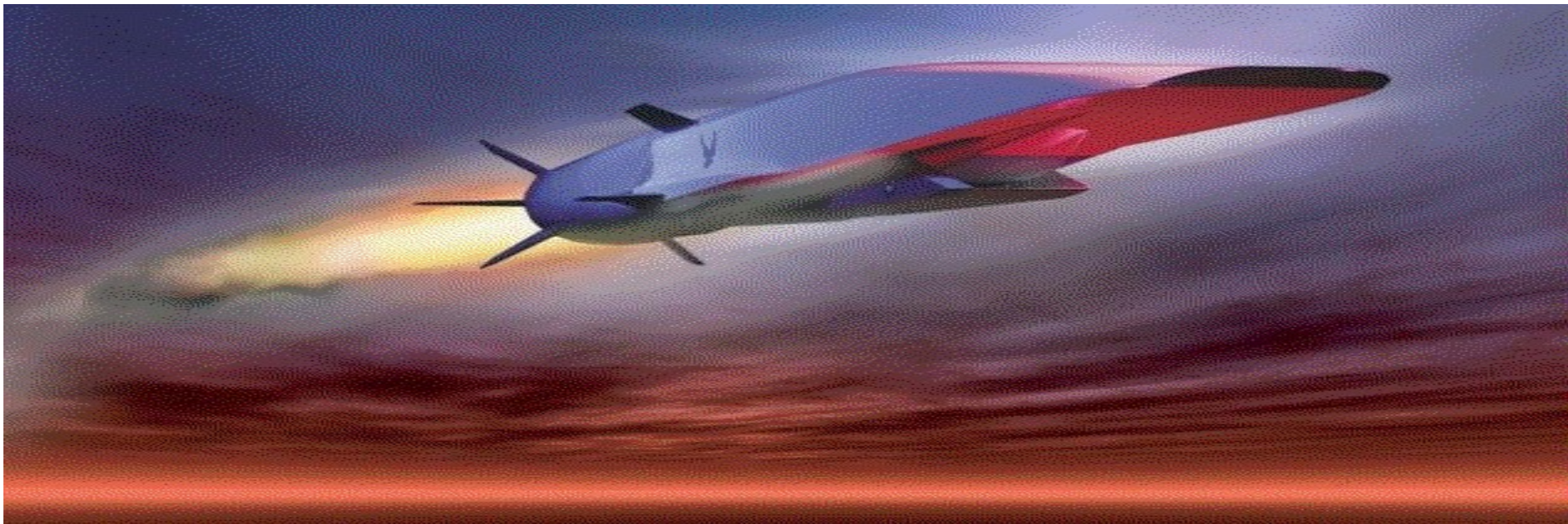


Kongsberg Defence & Aerospace (KONGSBERG) said the first Mk 2 Canister Launchers for the National Advanced Surface to Air Missile System (NASAMS) successfully passed Factory Acceptance Tests (FAT), forming the first shipment of Canister Launchers to Australia. Project LAND 19 Phase 7B is being delivered by prime contractor, Raytheon Australia, with the support of KONGSBERG and Kongsberg Defence Australia, and will deliver a new Short-Range Ground-Based Air Defence capability for the Australian Army. NASAMS is a Ground Based Air Defence weapon system produced by KONGSBERG and Raytheon Technologies that is in service with, or under delivery to, 12 nations. The system will enable the Australian Army to quickly detect, engage, and destroy aircraft, unmanned aerial vehicles, and cruise missile threats. The Mk 2 Canister Launcher represents the latest launcher build standard, and includes a new common ground launch rail to enable the employment of multiple missile types. Taking place in Kongsberg Norway, KONGSBERG conducted the First of Type FAT on the first Mk 2 Canister Launcher, before completing FAT on the second Launcher. Representatives from Raytheon Australia were present to witness this occasion.

**Title : Chinese Scientist Defects to U.S. Carrying Hypersonic Weapons Secrets**

**Date : Our Bureau 12:50 PM, January 25, 2022 2244**





A cricket-loving Chinese rocket scientist, attached to the Aviation Industry Corp of China (AVIC) has defected to the U.S. carrying with him secrets of the hypersonic glide vehicle, a weapon that Washington has been struggling to develop. The scientist is reported to be connected with the development of a space-based hypersonic glide vehicle missile delivery system that can strike any target on earth and is beyond the interception ability of current western missile defence systems. "His defection has allowed Britain and the US to accelerate defensive programmes against the use of hypersonic missiles. It could also take China two years to tweak its systems and render this intelligence ineffective," Express.co.uk reported quoting its sources. Chinese defector helped develop hypersonic boost-glide vehicle The defector was "attached" to AVIC where he "helped develop a mid-range hypersonic boost-glide vehicle capable of carrying DF-17 missiles to a range of up to 2,000 miles," the sources told Express.co.uk. The scientist contacted a British intelligence asset in Hong Kong in September 2021 where he told the contact person that he was willing to provide detailed information about the hypersonic glide vehicle in exchange for asylum for himself, his wife and child.

**Title : E-LynX Airborne Software Defined Radio Completes Connectivity Flight Tests Onboard Brazilian F-5M Fighters**



**Date : Our Bureau 07:59 AM, January 25, 2022 1356**



The Brazilian Air Force (FAB) and AEL Sistemas, Elbit Systems' Brazilian subsidiary concluded successful series of flight tests for the integration of E-LynXTM Airborne Software Defined Radio onboard two F-5M aircraft. AEL Sistemas is prime contractor of the Brazilian Link-BR2 strategic program that aims to provide National secured datalink capabilities, enable digital connectivity of all aerial platforms among themselves and establish Multi Domain interoperability. The next phase of integration will be onboard SAAB's Gripen NG aircraft while the Link-BR2 program roadmap includes integration of the System capabilities onboard all of the FAB aircraft.

**Title : U.S. Marine Corps Order Amphibious Combat Vehicles for \$169M**

**Date : Our Bureau 07:32 AM, January 25, 2022 1166**





The U.S. Marine Corps has awarded BAE Systems \$169 million for the second lot of full rate production of Amphibious Combat Vehicles (ACVs). The contract award is for 33 vehicles, the company said in a statement. The ACV is capable of conducting rapid ship-to-objective maneuvers and delivering enhanced combat power to the Fleet Marine Forces. Developed with teammate IVECO Defence Vehicles, the ACV represents the optimum balance of sea and land mobility and survivability, with future growth potential. BAE Systems is already under contract to deliver two variants of the ACV Family of Vehicles to the Marine Corps: the ACV personnel variant (ACV-P) and the ACV command variant (ACV-C). The company has also received a design and development contract for a 30mm cannon variant (ACV-30), and a recovery vehicle (ACV-R) is also planned. In addition, BAE Systems has received task instructions from the U.S. Marine Corps to complete a study of incorporating Advanced Reconnaissance Vehicle Command, Control, Communication and Computers/Unmanned Aerial Systems mission payload into an Amphibious Combat Vehicle (ACV) variant. BAE Systems was awarded the first full-rate ACV production Lot 1 contract option in December 2020 for the first 36 vehicles and the second option in February of 2021 for an additional 36 vehicles. Earlier this fall, the ACV team delivered the 100th Low-Rate Initial Production (LRIP) ACV to the Marine Corps and is on schedule to complete LRIP deliveries by January 2022, as ACV fielding to the Fleet Marine Forces continues on time and budget. ACV production and support is taking place at BAE Systems locations in: Stafford, Va.; San Jose, Calif.; Sterling Heights, Mich.; Aiken, S.C.; and, York, Pa.



## Title : S.Korea Commences Mass Production of K2 Tank with Domestic Engine

Date : Our Bureau 07:21 AM, January 25, 2022 891



South Korea has started mass production of K2 tanks powered by domestic engines. The Defense Acquisition Program Administration (DAPA) said in a recent statement that it had successfully deployed the secondary mass production of the K2 tank. The K2 is the latest tank deployed by the Army and has been in service since 2014. In the second mass production, unlike the first mass production, which was powered by a foreign power pack, the localization rate was increased compared to the first mass production by installing a mixed power pack that combines a domestic engine, cooling system and foreign transmission. The power pack is a device composed of the engine, transmission, and cooling device, and is responsible for generating the power of the tank. In addition, in order to prepare for technological obsolescence and reflect military requirements, performance improvement factors such as Korea Variable Message Format (KVMF) or the Korean standard message format, a standardized professional transmission/reception system, and gunner/commander sights with improved resolution and automatic tracking function were incorporated during the second mass production period, DAPA said. Through this, it is expected that there will be effects such as cost reduction as well as improvement of field operation capability. In this second mass production,



conditions have been prepared that can be compared with the latest tanks from Germany and the United States, and based on this, export opportunities are expected to expand to Europe, including Norway and Poland. Meanwhile, the 3rd mass production of the K2 tank is underway with the goal of completion in 2023 starting with the first electrification in the second half of 2022.

## **Title : U.S. F-35C Crashes While Landing on Supercarrier in South China Sea**

**Date : Our Bureau 06:15 AM, January 25, 2022 1120**



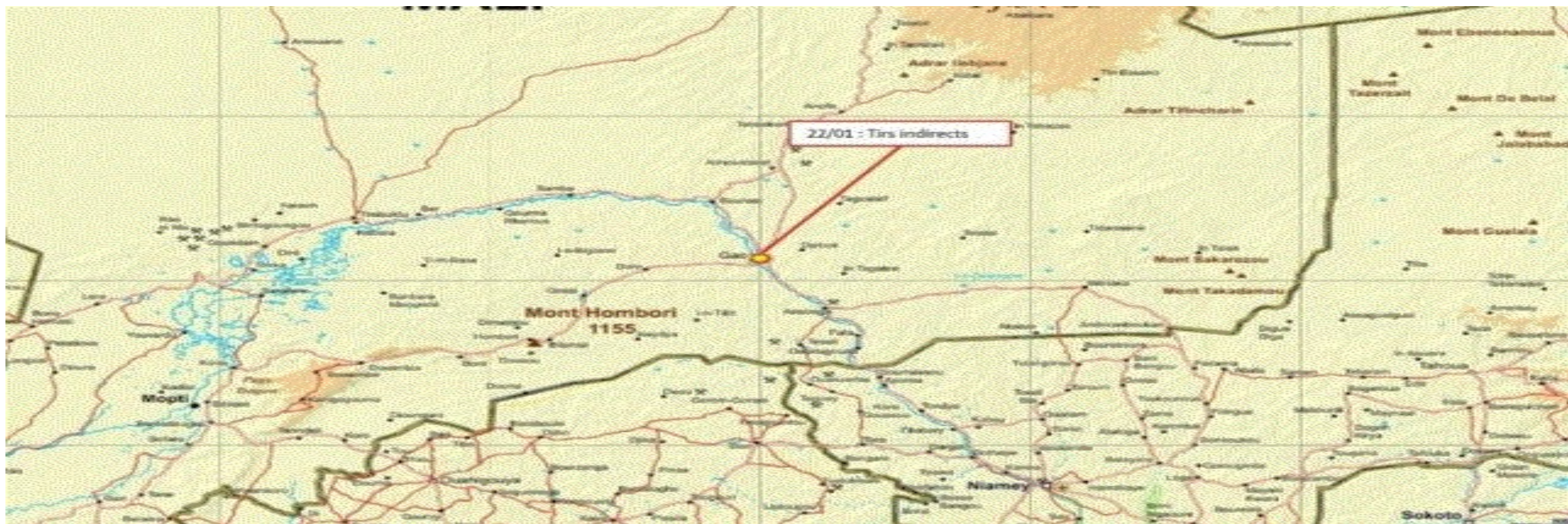
Seven sailors were injured after an American F-35C Lightning II jet crashed on the deck of the USS Carl Vinson supercarrier in the South China Sea. The crash is the first for an F-35C, the Navy's variant of the single-engine stealth fighter, designed for operations off aircraft carriers. It is also the second crash of involving an F-35 this year. On January 4, a South Korean F-35A was hit by a bird, forcing the pilot to initiate emergency landing. The aircraft landed on its belly as the landing gear did not deploy. In August 2021, Carl Vinson became the first of the service's 11 aircraft carriers to deploy with the F-35C. In a statement, the U.S. Pacific Fleet confirmed an F-35C assigned to Carrier Air Wing (CVW) 2, had a 'landing mishap on deck' while USS Carl Vinson (CVN 70) was conducting routine flight operations in the South China Sea on January 24. The pilot safely ejected from the aircraft and was recovered via U.S. military



helicopter. The pilot is in stable condition, the Navy said. There were seven total sailors injured; three Sailors required MEDEVAC to a medical treatment facility in Manila, Philippines, and four were treated by on-board medical personnel. All three MEDEVACs are assessed as stable. Of the four Sailors treated by on-board medical, three have been released. Also read: Bow of U.S. Navy's Nuclear Submarine "Seriously" Damaged in South China Sea Collision Incident Additional details and the cause of the inflight mishap is under investigation. The statement did not provide information about the condition of the F-35C and whether the aircraft carrier sustained any physical damage. According to Lockheed Martin, the F-35C "features more robust landing gear to handle carrier takeoffs and landings, folding wings to fit on a crowded flight deck, larger wings, a slightly larger payload, and a slightly longer operating range." It was the last of the three variants to become operational, doing so in only 2019.

## **Title : French Brigadier Dies in Mali Blast, Mali Cuts Diplomatic Ties with France**

**Date : Our Bureau 05:23 AM, January 25, 2022 1818**





A soldier serving in France's Barkhane operation died in a mortar attack on a military camp in Gao, northern Mali. The French defense ministry said in a statement that the incident occurred on January 22 around 5 p.m. in the desert operational platform (PfOD) in Gao. Brigadier Alexandre Martin of the 54th Artillery Regiment was seriously injured. He was immediately taken care of by the medical detachment of the Gao platform but succumbed to his injuries. Nine other soldiers were slightly injured, the ministry said. Martin's death brings the total number of combat deaths suffered by French forces since they first deployed troops to Mali nine years ago to 53. He was killed in a salvo of around a dozen artillery rounds fired at a military base in Gao. As per unconfirmed reports, the rounds were launched 5-6km to the northeast in an area known to be used by the Qaeda-linked Group for the Support of Islam and Muslims (GSIM). President Emmanuel Macron confirmed the determination of France to continue the fight against terrorism in the region. France has spent around €880 million a year on this mission. More than 4,000 French forces are stationed in the volatile and poverty-wracked Sahel region of West Africa, most of them in Mali. Ties between France and Mali started to sour in the aftermath of a coup mounted by strongman Colonel Assimi Goïta in August 2020 and a subsequent tightening of the military's grip on the country. Its regime's refusal to organize early elections to bring in a civilian government is France's complaint. Paris has already started reducing its military presence in Mali, hoping to halve the contingent by the summer of 2023, and has asked its European Union allies to provide more support. It also said it would keep bases in Gao, Menaka and Gos. France is also irked by Mali's alleged hiring of the Wagner Group of mercenaries believed to be close to Russia's leadership. The African country's relations with its neighbors have also nosedived. The 15-country Economic Community of West African States (ECOWAS) recently imposed tough sanctions on it, a move backed by the U.S., the EU and France.