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IDEX & NAVDEX 2025 Kicks Off Its Largest Edition

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UNITED ARAB EMIRATES
MINISTRY OF DEFENCE

» MESSAGE

A BRIGHT FUTURE FOR DEFENCE: IDEX AND NAVDEX 2025 UNITE GLOBAL INDUSTRY LEADERS

In a remarkable display of innovation and strategic vision, the United Arab Emirates is hosting the largest and most influential editions of the International Defence Exhibition (IDEX) and the Naval Defence and Maritime Security Exhibition (NAVDEX) 2025. Under the esteemed patronage of His Highness Sheikh Mohammed bin Zayed Al Nahyan, President of the UAE and Supreme Commander of the Armed Forces, this global defence event kicked off on February 17 in Abu Dhabi, reinforcing the nation's position as a leader in security and technological advancement.

Marking over three decades of excellence, IDEX and NAVDEX 2025 serve as a testament to the UAE's forward-thinking leadership and commitment to fostering international partnerships. By providing an integrated platform for industry experts and global decision-makers, the event underscores the nation's strategic role in shaping the future of defence and security.

This year's edition saw a 16% rise in exhibitors, totalling 1,565 companies from 65 countries. Notably, 731 new companies joined—an 82% surge from the previous edition—highlighting growing global interest. The expanded exhibition space provides a dynamic showcase for cutting-edge defence technologies. With unwavering support from the UAE's leadership, the event highlights the nation's ongoing efforts to accelerate the development of its domestic defence industry. The UAE Pavilion has grown by 4% and is now the largest national exhibit at IDEX and NAVDEX.

In addition to robust participation from local enterprises, the event features 41 national pavilions and welcomes seven new participating countries, further enhancing its international reach. A newly introduced hall hosts 341 exhibiting companies, alongside the dedicated platform for raising awareness about chemical, biological, radiological, nuclear, and explosive threats (CBRNE).

IDEX and NAVDEX 2025 are more than just exhibitions; they are a reflection of the UAE's unwavering dedication to enhancing global security through innovation, collaboration, and strategic partnerships.



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NAVDEX 2025:

Shaping the future of maritime defence and security

In a world of global security challenges and rapid technological advancements, the 8th edition of the Naval Defence Exhibition (NAVDEX) 2025 has firmly established itself as a premier event, blending innovation, cutting-edge technology, and military expertise.

Held under the patronage of His Highness Sheikh Mohammed bin Zayed Al Nahyan, President of the UAE and Supreme Commander of the Armed Forces, NAVDEX serves as the leading platform for maritime defence and security in the Middle East and North Africa.

Strategic Vision and Objectives

Through advanced naval defence solutions and interactive showcases, NAVDEX 2025 aims to drive discussions on the future of maritime security and serve as a dedicated platform for international and regional companies in this sector while fostering global collaboration by bringing together industry leaders, decision-makers, and government officials.

Moreover, it aims to facilitate the exchange of experiences and foster strategic partnerships to enhance naval defence capabilities and address emerging security threats.

Innovation and Research

NAVDEX 2025 features cutting-edge naval technologies, equipment, and vessels—including integrated defence systems covering surface, subsurface, and aerial capabilities.

This event is a prime catalyst for research and development in the defence sector, reinforcing the standing of leading nations in this vital industry.

Visitors can also expect live demonstrations of unmanned submarines and maritime vehicles, highlighting their effectiveness against modern threats.

A Dynamic Exhibition Experience

Taking place from February 17-21, 2025, at the Marina Hall, situated along the waterfront of the Abu Dhabi National Exhibition Centre (ADNEC), the NAVDEX venue offers a spacious, modern setting, accommodating a diverse range of local and international exhibitors specializing in naval and coastal defence technologies.

Additionally, the event features a designated waterfront area where exhibitors can dock their ships and boats on temporary berths, allowing visitors to witness live waterborne demonstrations.

Furthermore, visitors will be treated to a spectacular up-close look at international warships stationed along the pier. Daily live demonstrations will further enhance their knowledge of naval technology advancements and overall experience.

A Strategic Networking Hub

NAVDEX 2025 is an essential platform for engaging with key industry leaders, manufacturers, and international delegations, presenting unique opportunities to build strong networks and meet high-ranking regional and global figures in the sector.



Moreover, the event fosters the exchange of knowledge and insight to better coordinate efforts to tackle complex maritime challenges.

Additionally, with cutting-edge products and technologies on display, participants in NAVDEX 2025 can earn the recognition of decision-makers and compete for prestigious innovation awards, further enhancing brand visibility in this field.

Technological Advancements and Trends

NAVDEX 2025 comes at a time of great shifts in the naval defence and technology field, as it increasingly relies on artificial intelligence and digitalisation to analyse data in real-time and provide swift and accurate solutions in the field of security detection and response.

Moreover, the exhibition aims to drive innovation in defence through comprehensive systems that integrate surface, subsurface, and aerial capabilities to provide advanced protection for vital maritime zones.

Regarding operational efficiency and environmental preservation, the event focuses on sustainable technology that leverages renewable energy sources and adheres to environmental standards.

Additionally, information and cybersecurity systems will focus on securing networks and countering cyber threats targeting naval defence infrastructure.

Supporting the Maritime Defence Industry

As a cornerstone event for the maritime defence sector, NAVDEX 2025 plays a crucial role in promoting the industry by offering a platform for securing investments and advancing technical and engineering capabilities. The exhibition provides an ideal setting to safeguard strategic interests at both national and regional levels while fostering defence self-sufficiency through local innovation and technology.

At its core, NAVDEX 2025 integrates innovation, state-of-the-art technology, and global expertise, forming the ultimate event for industry leaders and decision-makers in maritime defence. Participation in this event offers a unique opportunity to stay ahead of industry developments and forge strategic alliances that will shape the future of maritime security and global trade.

Tawazun Council Advances Tech Capabilities in National Naval Operations

Integrated efforts bolster the role of Tawazun Economic Program in system development



Abu Dhabi, 17 February 2025 – In a move that underscores its commitment to bolstering national defence capabilities, Tawazun Council has unveiled a strategic initiative to propel the development of the UAE's National Combat Management System (NCMS) through advanced technology transfer and knowledge localization.

The initiative builds on a landmark partnership forged in 19th of December 2023 with Naval Group, French Naval Defence company and Marakeb Technologies, UAE National Entity. This collaboration, aligned with the goals of the UAE's Tawazun Economic Program, aims to enhance the nation's defence capabilities while nurturing Emirati expertise in cutting edge naval technologies.

In December 2024, Emirati engineers embarked on a two-year comprehensive training and joint development program at the Naval Group Cen-

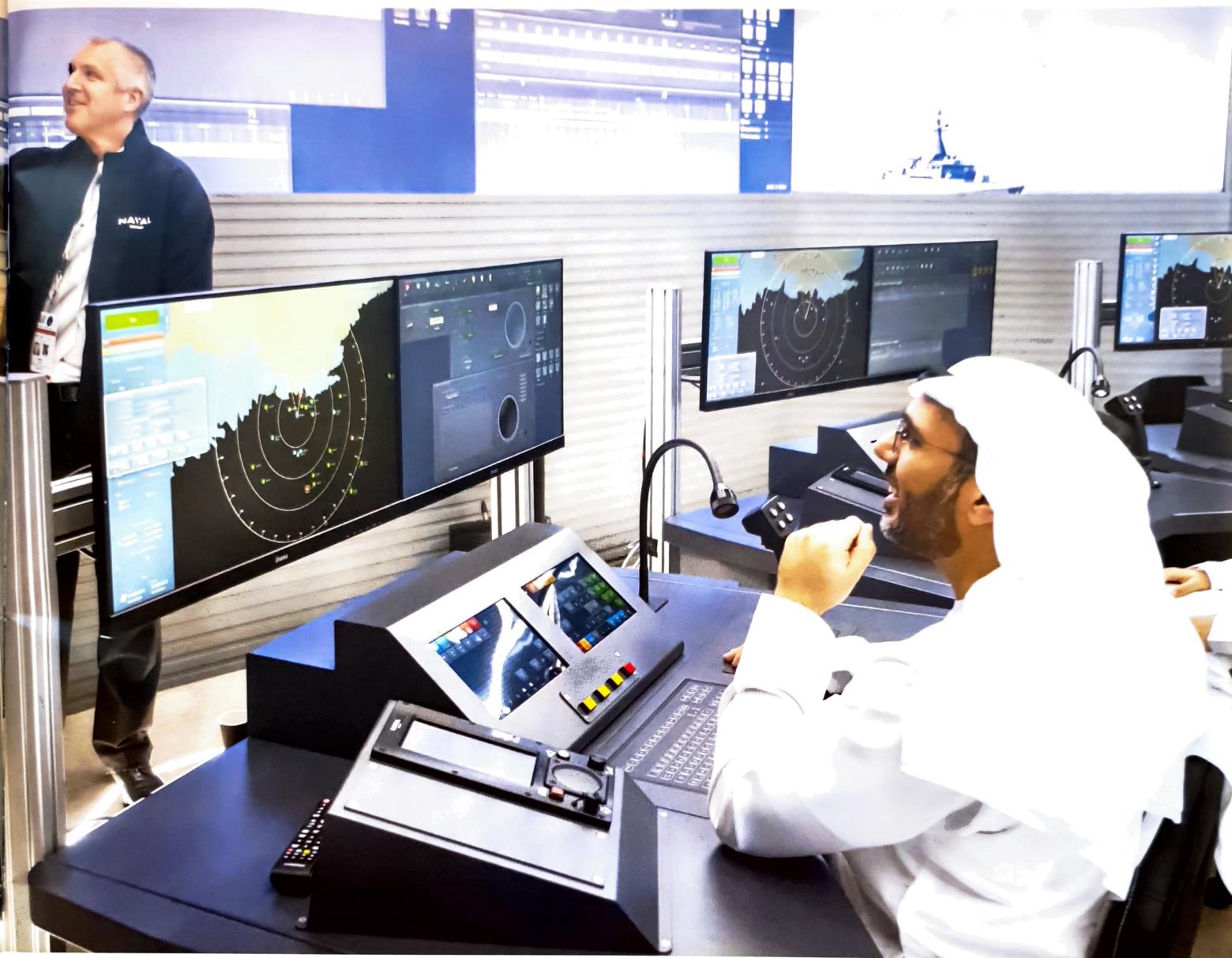
tre of Excellence for CMS in Ollioules, France. The first phase, currently underway, focuses on the transfer of knowledge and technology, and integration. The second phase, to be conducted in the UAE, will grant the engineers full autonomy in the design, development and operation of nation critical functionalities and advanced naval combat systems.

At IDEX 2025, Tawazun Council is set to showcase the latest iteration of the UAE National Combat Management System, based on the combat proven Naval Group's SETIS® system. Developed by Naval Group, the SETIS® system is already deployed on the UAE's Bani Yas corvettes and on French Navy ships and other international naval fleets.

H.E. Dr. Nasser Humaid Al Nuaimi, Secretary General of Tawazun Council, emphasized the



This program creates an integrated environment where Emirati engineers gain hands-on experience



importance of this strategic collaboration between France and UAE, stating: "This partnership marks a pivotal milestone in the transfer of technology and localization of knowledge, reinforcing the UAE's vision to achieve technological autonomy and advance its defence manufacturing sector."

"Our collaboration with Naval Group and Marakeb Technologies exemplifies how strategic partnerships can drive innovation and national capability development. We are focused on empowering Emirati talent to design and develop world-class solutions that meet the highest global standards," he added.

Dr. Al Nuaimi further highlighted the long-term value of the initiative: "This program creates an integrated environment where Emirati engineers gain hands-on experience, enabling them

to develop and operate sophisticated systems that bolster the UAE's defence readiness and cement its leadership in defence innovation."

Majed Saif Al Shamsi, Director of Tawazun Economic Program at Tawazun Council, said that the initiation of the technology transfer program within the national naval combat management system marks a significant milestone. This move reflects Tawazun Council's continued efforts in driving strategic partnerships, localizing advanced technologies, and equipping local talents with practical, high-level expertise through the Tawazun Economic Program.

"These partnerships play a vital role in advancing a comprehensive national industrial ecosystem built on innovation and knowledge. We are working on leveraging Tawazun programs with similar capability development projects," he noted.

Pierre Eric Pommellet, Chairman and CEO of Naval Group said: "Naval Group is very honored of this new step in our long-term cooperation with the UAE. We are committed to keeping supporting the UAE's ambition to enhance its defence and security industry, and developing sustainable and long-term partnerships meeting the national sovereignty objectives of the country."

Basel Shuhaiher, CEO of Marakeb Technologies, stated "Marakeb Technologies is proud to support the UAE's defence sovereignty by advancing local expertise in combat management systems. Through our collaboration with Tawazun Council and Naval Group, we are driving technology localization and empowering Emirati talent to develop world-class naval solutions, reinforcing the nation's defence capabilities and operational readiness."



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جامعة التوازن
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In association with



Bin Hilal Enterprises (BHE): Pioneering Excellence in the UAE Defence Sector

Bin Hilal Enterprises (BHE) is a leading force in the UAE's defence and security landscape, delivering advanced solutions that enhance national capabilities. With a steadfast commitment to innovation, operational excellence, and strategic partnerships, BHE continues to shape the future of the defence industry by integrating cutting-edge technologies and providing mission-critical services.

Comprehensive Defence and Security Solutions

BHE specializes in state-of-the-art defence systems and technologies that strengthen the UAE's security infrastructure. From advanced defence solutions to specialized security systems, BHE ensures national preparedness in an evolving threat environment. The company also plays a crucial role in infrastructure development, supporting the construction of critical facilities that enhance the country's defence capabilities. Additionally, its logistics and procurement solutions provide seamless supply chain management, making it a trusted partner for government and private sector clients.

As one of the few companies capable of partnering on high-profile defence offset programs, BHE delivers tailored solutions that meet both operational and regulatory requirements.

22 Years of Leadership at IDEX and NAVDEX

BHE has been a key participant at IDEX for

over 22 years, marking its 12th appearance at the tradeshow. This year, the company has significantly expanded its presence, doubling its footprint and increasing participation from international partners. Its 162-square-meter stand will feature both new and long-standing collaborators.

Among the new partners showcased are Harmattan AI, Oshkosh Defence, CTA International, Roke, and Ocean Infinity, each contributing cutting-edge solutions that align with BHE's mission to enhance UAE defence capabilities. Additionally, BHE will highlight its enduring relationships with Pearson Engineering and Marshall Group, partners who have worked alongside the company for over a decade to deliver world-class defence solutions.

Commitment to Quality, Innovation, and Sustainability

BHE's success is driven by an unwavering commitment to quality, customer satisfaction, and adherence to international standards. The company has built a robust operational framework that ensures excellence in service delivery, fostering long-term relationships with key stakeholders. Sustainability remains a priority, aligning with the UAE's vision for responsible development. By implementing environmentally conscious practices and investing in next-generation technologies, BHE ensures its growth aligns with

national sustainability goals.

Embracing the Future: AI, Robotics, and Cybersecurity

BHE is investing in emerging technologies such as artificial intelligence, robotics, and cybersecurity, aligning with the UAE's vision to drive a knowledge-based economy through innovation. By integrating these capabilities, BHE enhances operational efficiency, security resilience, and strategic readiness. Alongside strengthening existing partnerships, BHE is actively seeking new collaborations with global technology leaders. The company welcomes opportunities to work with innovative firms that share its commitment to advancing defence and security capabilities.

Under the leadership of Vice Chairman Humaid Al Dhaheri and a visionary executive team, BHE remains steadfast in its mission to equip the UAE with state-of-the-art defence solutions. As the nation advances toward becoming a global hub for security and defence innovation, BHE stands as a pillar of progress—delivering excellence, fostering adaptability, and championing a future defined by resilience and technological superiority.

Learn more about BHE at
www.bhe.ae
www.bhelandsystems.ae

Tareq Abdulraheem Al Hosani, Chairman of Calidus Group:

Calidus to debut advanced, innovative military vehicles, aircraft, equipment, systems at IDEX 2025

Calidus, a UAE-based Defence Technology Development and Manufacturing Company, is participating in the 17th edition of the International Defence Exhibition (IDEX), which will take place from 17th to 21st February 2025 at ADNEC Centre Abu Dhabi. This year, Calidus is showcasing its innovations over a total exhibition space of 2,466 square metres, double the size allocated in the previous 2023 edition.

During the exhibition, Calidus will showcase a diverse range of advanced, innovative military vehicles, aircraft, equipment, and systems, many of which will be unveiled for the first time at IDEX. Additionally, the company will introduce integrated defence solutions tailored to meet the latest demands of both domestic and international markets. The event will also highlight Calidus' decade-long journey of excellence and innovation in the national defence industry, reaffirming its position as a leading player in the sector.

Tareq Abdulraheem Al Hosani, Chairman of Calidus Group, stated that IDEX and Naval Defence and Maritime Security Exhibition (NAVDEX 2025) serve as premier global platforms that help shape the future of the de-

fence and security industries, underscoring the UAE's pivotal role in the evolution of the global defence landscape.

Al Hosani added that IDEX and NAVDEX articulate the UAE's strategic vision, which integrates technological innovation, international collaboration, and a commitment to strengthening its position as a responsible global power contributing to security and stability worldwide.

He emphasised that hosting such international events and bringing together leading minds and expertise in the defence sector reinforces the UAE's status as a global hub redefining industry standards.

He further stated: "As the global landscape shifts towards unconventional technologies such as artificial intelligence, unmanned systems, and cyber defence, the UAE emerges as a regional and international leader, investing in these domains through the development of competitive national industries that enhance its strategic autonomy."

Al Hosani also noted that 21st-century se-

curity challenges necessitate a comprehensive approach that combines advanced technology with international cooperation. Through IDEX and NAVDEX, the UAE provides an inclusive platform for dialogue and knowledge exchange on current and future security issues, focusing on the development of innovative solutions that contribute to protecting communities and strengthening global stability.

Established in 2013, Calidus Group has cemented its reputation as a leading developer and manufacturer of defence products in the UAE. The company is committed to delivering innovative solutions that meet the needs of both local and global defence sectors, significantly enhancing national defence capabilities through the integration of highly efficient, cutting-edge technologies.



Eisa Al Shamsi, General Manager, Government Programs, Space42 to: «**الجند**»

We seek to enhance the UAE's capabilities in satellite-based communications and earth observation

Space42 has established itself as a leader in space and artificial intelligence solutions. How does your participation at IDEX 2025 align with your company's vision and objectives?

Space42 is building on a combined 66-year legacy following the merger between Bayanat and Yahsat. We are the UAE's first AI-powered SpaceTech company that integrates satellite communication, geospatial analytics, and AI to address the rapidly evolving global space and ground system needs. Our participation at IDEX reflects our core belief that innovation, collaboration is essential to advancing SpaceTech innovation and tackling global challenges. The event serves as a platform to connect with governments and defence agencies worldwide and showcase our satellite communications, Earth Observation, and geospatial intelligence solutions designed to meet defence, security, and disaster management needs.

What role does Space42 play in supporting the UAE's strategic ambitions in space exploration and defence innovation?

The UAE's National Space Strategy 2036 aims to enhance the space sector's contribution to the national economy and strengthen the UAE's global position in space exploration. We significantly contribute to these ambitions by advancing technology, developing strategic partnerships, and investing in local R&D capacity and research infrastructure. Last year, we announced a deal worth US\$1.6 billion with Airbus Defence and Space (ADS) to provide satellite and AI-based solutions services until 2026. In partnership with ADS, we will build the Al Yah 4 satellite, which will include the next generation of the Al Yah 4 satellite, including the next generation of the Al Yah 4 satellite, which will be deployed in 2026. This will mark the second phase of the expanded UAE constellation for the UAE's space exploration programme.

Can you provide an overview of the products or services offered to enhance connectivity in UAE and their relevance in addressing national challenges?

solutions at IDEX 2025, including our Location Tracking System (LTS) and Tactical Tracking and Communication (TTAC) service. Our LTS and TTAC products can be applied across air, marine, and land use cases, connecting the physical terminal with our Thuraya 4 satellite for secure communication channels. These cutting-edge solutions address modern defence challenges, such as integration across different military variants, by acting as a bridge to communicate

with other military radios via satellite.

How does Space42 leverage cutting-edge technologies like AI, satellite communications, and data analytics to enhance defence and space capabilities?

Space42's portfolio of solutions is designed to seamlessly integrate with existing defence systems, enabling governments and agencies the flexibility to enhance their capabilities without major investments in infrastructure changes. By leveraging AI-driven geospatial analytics and secure satellite communications, Space42 provides superior insights for time-sensitive decision-making, near real-time situational awareness, and fast and secure connectivity to meet diverse operational needs.

Are there any partnerships or strategic alliances being announced at IDEX 2025? How do these collaborations enhance your offerings?

We are announcing several initiatives and partnerships at IDEX 2025 to boost the UAE's capabilities in satellite communications, Earth Observation, and geospatial analytics. Our partnerships aim to cover the entire value chain from in-country manufacturing to satellite missions and generation of AI-powered insights.

Looking forward, what are Space42's key projects for advancing the UAE's position as a global leader in space and AI-driven defence solutions?

Space42 aims to continue leveraging satellite communications, geospatial intelligence, R&D technology, secure data transmission, predictive analytics, and collaborative platforms to ensure that integrated defence and security operations are robust, reliable, and responsive to evolving needs.

Key projects and initiatives include expanding our SAR constellation to advance the UAE's Earth Observation capabilities, launching Al Yah 4 and Al Yah 5 in 2027 and 2028 to support our work with the UAE government and launching additional satellites as part of our Thuraya network.



Revolutionizing Airborne Maritime Surveillance: The C-catcher (ELM-2025) AESA Radar

Superior Multi-Mode, Multi-Role Performance for Life-Saving Operations at Sea



Credit: IAI/ELTA

Airborne search and rescue crews face extraordinarily demanding challenges. Difficult weather conditions, often the root cause of the mission itself, make flying uncomfortable, exhausting and often dangerous. Moreover, clouds, fog and rough sea make visual identification difficult, if not impossible.

The need to cover vast expanses at sea and pinpoint crash sites, floating wrecks, small lifeboats, or even individual survivors at sea stretch aircrew concentration and physical stamina to the limits. Moreover, the pressing need to keep searching is often contradicted by aircraft fuel capacity. If all this weren't enough, search and rescue crews shoulder the tremendous stress of knowing that every second counts: lives hang in the balance, reliant upon their ability to quickly get to those in need of rescue.

To support crews with unprecedented performance, versatility and reliability, IAI's systems and sensors subsidiary, ELTA Systems Ltd (IAI ELTA), developed a new surveillance AESA radar family: C-catcher ELM-2025. Leveraging over three decades of experience producing ELM-2022, the world's most widely deployed airborne maritime surveillance radar, powerful in-house AESA technology, advanced processing tools, and state of the art Gallium Nitride (GaN) electronic components, IAI ELTA's new, modular, software defined radar family features reduced weight and power consumption, higher mission availability, unique operational modes, and enhanced target detection.

Operating in X Band, the C-catcher AESA radars perform in all weather and visibility conditions. With

interleaving detection modes and highly developed automation, they are uniquely capable of simultaneous multi-mode and multi-role. The C-catcher seamlessly performs both maritime and ground surveillance using unique processing tools and specialized, highly developed operational modes for Search and Rescue (SAR). These modes include Surface Search; Range Profile/Signature; and Inverse Synthetic Aperture Radar (ISAR). The C-catcher's ability to identify very small targets from higher altitudes and reject land clutter improves the detection of distressed vessels, floating wrecks, and even individual survivors. This capability enhances the aircrew's response efficiency in Search and Rescue situations.

With customizable configurations and either fixed or rotating AESA antenna options, the C-catcher AESA radar family is ready to equip the widest range of platforms - from small UAVs and VTOLs to rotary wing and large fixed wing high-endurance aircraft with life-saving capabilities.

Come and meet with our global experts at Hall B Booth B2.1 or contact us at market@elta.co.il

DAVID MASSEY – CEO, ADSB to الجندبي

Our participation in NAVDEX 2025 reflects our strategic vision to enhance innovation in the maritime defence sector.

ADSB is renowned for its expertise in naval defence. How does its participation in NAVDEX 2025 reflect its strategic vision and commitment to innovation?

The immense amount of work being done by ADSB to expand our capabilities, diversify our offerings, and strengthen the UAE's naval industry is reflected in our participation at NAVDEX 2025. This platform provides an ideal opportunity to showcase our latest advancements in vessel design, engineering, and technology, reinforcing our strategic vision for the future of maritime security. As the region's leader in naval and commercial vessel design, construction, repair, maintenance, refit, and conversion, ADSB leverages NAVDEX to highlight the breadth of our growing portfolio—from corvettes and offshore patrol vessels to interceptors and inshore patrol platforms. Our presence underscores ADSB's role as a strategic partner in enhancing the UAE's naval readiness while reaffirming our expanding global footprint. Our naval designs are increasingly recognised for their operational effectiveness, adaptability, and technological sophistication, positioning ADSB as a key contributor to the future of regional and international maritime security.

How is the FALAJ3 programme progressing?

The FALAJ3 programme is a highly prestigious and strategically important initiative for the UAE. We recently marked a significant milestone with the launch of the first-of-class vessel at a ceremony held at the ADSB shipyard, attended by distinguished dignitaries from the UAE Navy, ADCB, and EDGE. We are proud to showcase this vessel for the first time at NAVDEX, reflecting a major achievement not only for ADSB but for the UAE. Building a first-of-class vessel requires exceptional skill, expertise, and technical know-how. This accomplishment highlights ADSB's strategy of fostering an advanced industrial ecosystem and developing sovereign capabilities. The fact that we have successfully constructed a vessel of this size and sophistication entirely in the UAE is a testament to the nation's growing maritime excellence and ADSB's leadership in naval shipbuilding.



We recently

marked a significant milestone with the launch of the first-of-class vessel at a ceremony held at the ADSB shipyard, attended by distinguished dignitaries from the UAE Navy.



What are the key highlights of ADSB's presence at NAVDEX 2025, and what new products will be showcased?

ADSB is debuting the FA-400, a 45-metre offshore patrol vessel—the first of its size to be fully designed and built by a UAE-based company. Featuring high modularity and flexibility, it can be customised between 40 and 50 metres and is equipped with advanced navigation, weaponry, and decoy systems. Designed in under a year and constructed in record time at Grandweld Shipyards under ADSB's leadership, the project was managed by 28-year-old Emirati engineer Reem Al Jneibi, who exemplifies the next generation of UAE engineering talent. Her dedication and leadership played a pivotal role in delivering this landmark project on time.

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RANGE: 30KM+
ENDURANCE: UP TO 20 MINUTES
PAYLOAD: 3KG
MAX SPEED: 200KM/H+ TO 400KM/H+



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EDGE



F-15EX: SHAPING THE FUTURE OF AIR SUPERIORITY

Boeing's F-15 fighter has long been a leader in the aerospace industry, recognized for its outstanding payload capacity, range, and speed. With the introduction of the F-15EX, Boeing is poised to deliver unparalleled value to the U.S. Air Force and international customers, reinforcing its status as a cornerstone of air superiority for years to come. The F-15EX boasts an impressive payload capacity of 29,500 lbs. (13,300 kg), delivering affordable mass to address rapidly evolving threats. This payload, combined with its extensive range, contemporary sensors, and advanced electronic warfare suite, presents peer adversaries with multiple challenges both inside and outside of threat rings. In an era where survivability is paramount, the F-15EX redefines how to achieve and maintain a state of low detectability. Utilizing innovative electronic warfare tools, it does not sacrifice payload for survivability. Instead, it serves as a long-range standoff weapons system capable of penetrating and surviving in highly contested environments, ensuring that it remains a formidable force on the battlefield.

Building on a legacy of unmatched air dominance, the F-15EX features advanced digital fly-by-wire flight controls, an expanded

payload capacity, a cutting-edge electronic warfare system, an all-glass digital cockpit, and the latest mission systems and software capabilities tailored to meet the evolving needs. Additionally, as technological advancements continue to transform the battlefield, the F-15EX stands at the forefront in commanding and managing other aircraft in the formation. Facilitated by its advanced mission computing, platform architectures, communication networks and comprehensive sensor suite, the F-15EX is ready for the future of manned-unmanned teaming. The fighter jet's capability allows pilots to operate seamlessly alongside loyal wingmen. These foundational components, enhanced by the advanced crew station and large area display, empower aircrew to manage increased workloads with heightened situational awareness and control. Boeing's F-15EX signifies a monumental advancement in air superiority capabilities. With its exceptional performance and adaptability to emerging technologies, the F-15EX is set to dominate the skies for decades. In a world where air superiority is critical, the F-15EX not only meets the challenges of today but is also prepared for the uncertainties of tomorrow, ensuring that it remains a vital asset in defending nations.

With intelligent mission systems, advanced digital architecture, and integrated communications networks, the F-15EX has the ability to operate alongside unmanned aircraft.

Revolutionizing High-Pressure Solutions: The SAUER Tornado WP3325 B3-5 BasBooster

Al Masaood Group, in partnership with Sauer Compressors, is elevating the standards of high-pressure compressors by showcasing the SAUER Tornado WP3325 B3-5 BasBooster at NAVDEX 2025 in Abu Dhabi. Designed to cater to the growing industrial demand for high-efficiency gas boosters, this product exemplifies a seamless blend of compact design and exceptional performance.

Compact, Powerful Design

Central to the SAUER Tornado series is its expert engineering, ensuring optimal performance within a remarkably compact footprint of less than 0.5 m². Its vertical construction not only saves valuable space but also enhances cooling and maintenance efficiency. The air-cooled, high-pressure system can achieve final pressures of up to 350 barg, setting a gold standard in its class for both compactness and superior functionality.

Engineering Excellence

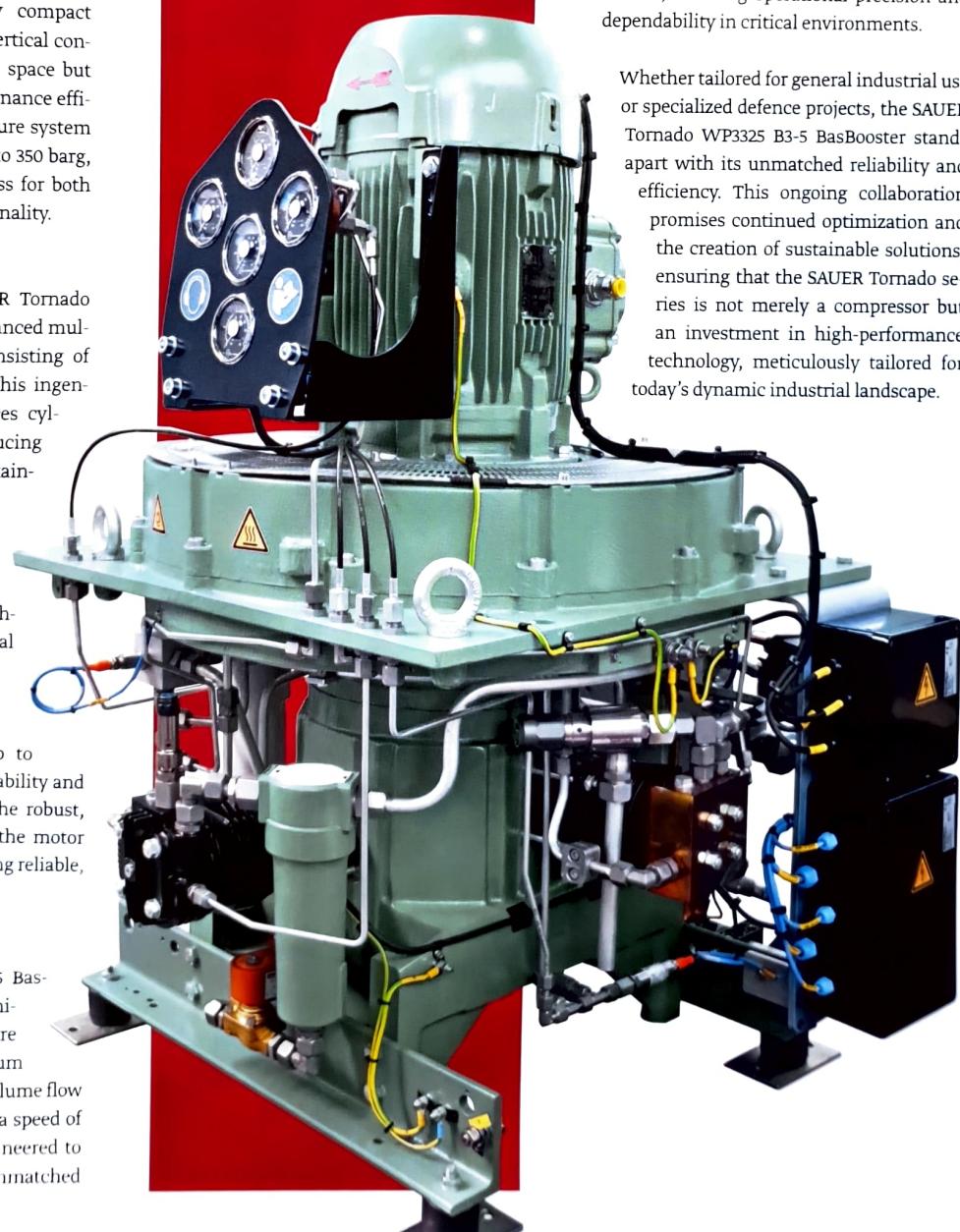
A standout feature of the SAUER Tornado WP3325 B3-5 BasBooster is its advanced multi-stage compression system, consisting of three or four individual stages. This ingenious design significantly enhances cylinder cooling efficiency while reducing oil usage, promoting a more sustainable and cost-effective operation.

Each component of the compressor is meticulously designed to maximize efficiency. The high-efficiency cooling fan plays a crucial role in maintaining lower operating temperatures, translating to reduced maintenance needs and extended service intervals of up to 2,500 hours. The compressor's durability and stability are further ensured by the robust, rigid flange connection between the motor and the compressor itself, promising reliable, long-term performance.

Impressive Specifications

The SAUER Tornado WP3325 B3-5 BasBooster boasts remarkable technical specifications: an inlet pressure ranging from 3 to 5 barg, a maximum outlet pressure of 350 barg, and a volume flow rate of up to 25 m³/h. Operating at a speed of 1,780 rpm, this compressor is engineered to handle large volumes of air with unmatched

The Sauer Tornado compressor series is characterised by its superior engineering, ensuring optimum performance within a compact space of less than 0.5 square metres.



The strategic partnership between Sauer Compressors and Al Masaood extends beyond mere industrial applications, reaching into crucial sectors such as naval defence. Its compact, vertical footprint makes it ideal for applications in centralized high-pressure air systems aboard naval vessels, highlighting its synergy with the demanding requirements of the defence sector. The strategic alliance between Sauer Compressors and Al Masaood continues to set new benchmarks in providing cutting-edge technological solutions, ensuring operational precision and dependability in critical environments.

Whether tailored for general industrial use or specialized defence projects, the SAUER Tornado WP3325 B3-5 BasBooster stands apart with its unmatched reliability and efficiency. This ongoing collaboration promises continued optimization and the creation of sustainable solutions, ensuring that the SAUER Tornado series is not merely a compressor but an investment in high-performance technology, meticulously tailored for today's dynamic industrial landscape.

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Engineering Excellence

A standout feature of the SAUER Tornado WP3325 B3-5 BasBooster is its advanced multi-stage compression system, consisting of three or four individual stages. This ingenious design significantly enhances cylinder cooling efficiency while reducing oil usage, promoting a more sustainable and cost-effective operation.

Each component of the compressor is meticulously designed to maximize efficiency. The high-efficiency cooling fan plays a crucial role in maintaining lower operating temperatures, translating to reduced maintenance needs and extended service intervals of up to 2,500 hours. The compressor's durability and stability are further ensured by the robust, rigid flange connection between the motor and the compressor itself, promising reliable, long-term performance.

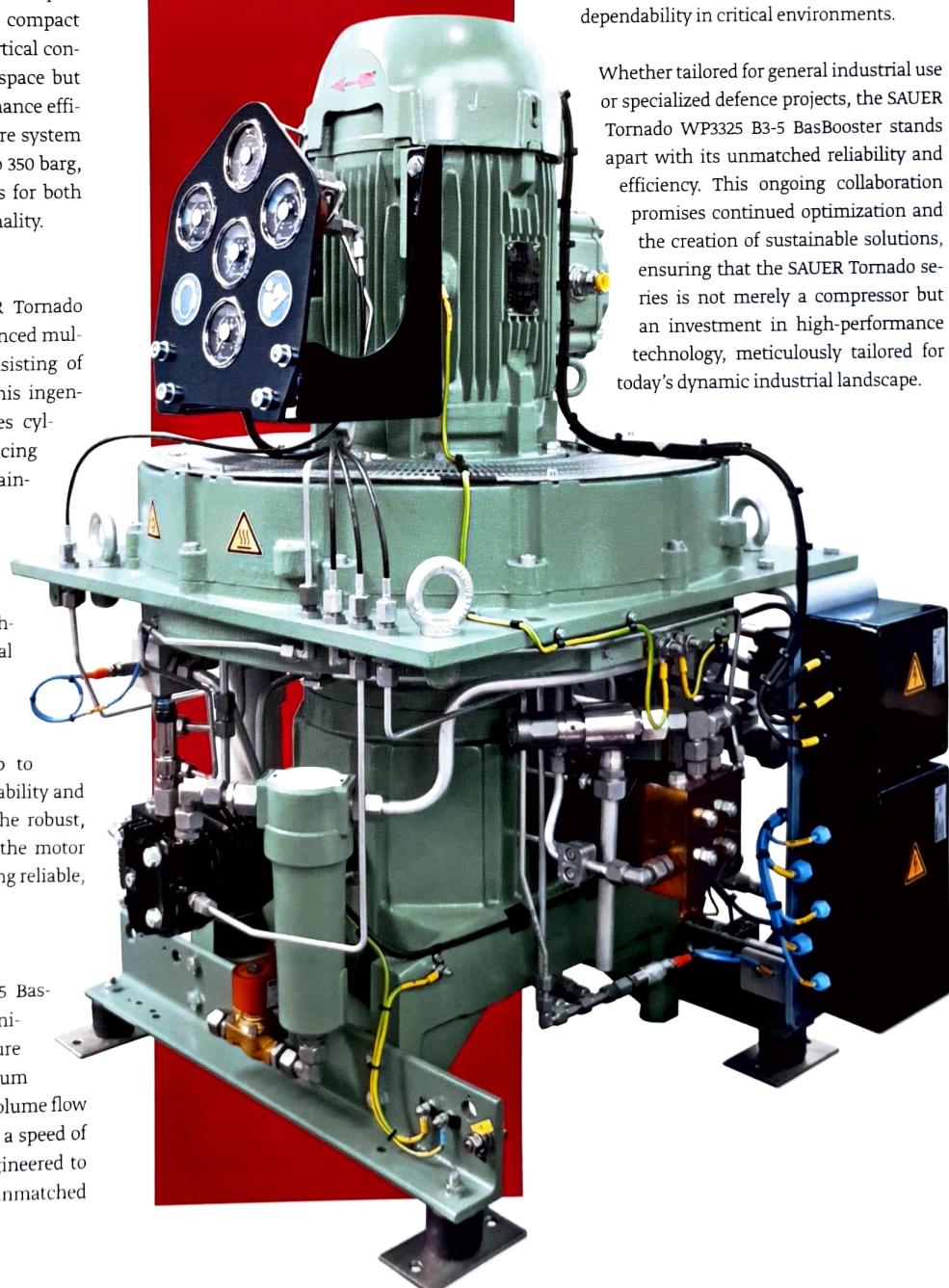
Impressive Specifications

The SAUER Tornado WP3325 B3-5 BasBooster boasts remarkable technical specifications: an inlet pressure ranging from 3 to 5 barg, a maximum outlet pressure of 350 barg, and a volume flow rate of up to 25 m³/h. Operating at a speed of 1,780 rpm, this compressor is engineered to handle large volumes of air with unmatched

The Sauer Tornado compressor series is characterised by its superior engineering, ensuring optimum performance within a compact space of less than 0.5 square metres.

The strategic partnership between Sauer Compressors and Al Masaood extends beyond mere industrial applications, reaching into crucial sectors such as naval defence. Its compact, vertical footprint makes it ideal for applications in centralized high-pressure air systems aboard naval vessels, highlighting its synergy with the demanding requirements of the defence sector. The strategic alliance between Sauer Compressors and Al Masaood continues to set new benchmarks in providing cutting-edge technological solutions, ensuring operational precision and dependability in critical environments.

Whether tailored for general industrial use or specialized defence projects, the SAUER Tornado WP3325 B3-5 BasBooster stands apart with its unmatched reliability and efficiency. This ongoing collaboration promises continued optimization and the creation of sustainable solutions, ensuring that the SAUER Tornado series is not merely a compressor but an investment in high-performance technology, meticulously tailored for today's dynamic industrial landscape.



Texelis Revolutionizes Military Vehicle Development With Celeris: A Fully Customizable, Proven Solution For Advanced Mobility

Texelis has been making the news recently! What can you tell us about the company?

Texelis is the designer and supplier of the mobility solution for the 4x4 Serval new generation vehicle, developed for the French Army with our partners KNDs France. 2,000 have been ordered so far, in 35 different configurations, from APC to SHORAD, with several other capabilities to be developed, including hybrid. On top of 4x4, 6x6 and 8x8 traditional architectures, which we provide for our partners around the world, we are also heavily involved in the development of hybrid-drive solutions for combat wheeled vehicles, as well as for tracked platforms. We are notably working with Milrem Robotics on their new range of medium unmanned vehicles.

What is your offer for 4x4 mobility and what can you bring to the UAE?

The Serval - which is now the new standard for high mobility in the French Army - opened us high-quality options for new partnerships. It is a very mobile vehicle, with a very potent platform, built for versatility and modularity. We wanted to provide the same level of quality to the world, with an offer focused on speed and local partnerships. So we launched a new solution, CELERIS, which aims at solving the issue of the development of high-performance mobility platforms. For military vehicles, there are

usually two options: in-house development, or adaptation of a commercial platform. In-house development is long and expensive. Adapting civilian platforms generally appears cheaper and quicker, but it comes with a large number of issues, from performance to support. At the end of the day, it is immensely simpler, quicker and arguably even cheaper to find a dedicated military platform which can be fully customized. This is CELERIS.

What is the difference between CELERIS and any other mobility solution?

Quality aside, CELERIS is the perfect model for local production. On the hardware side, it is by design produced on a kit-by-kit base, with all documentation and support included, which is perfect to set a new production line at a partner's facility. Celeris production is running, with more than 100 kits produced per year, for the French Army as well as for export markets: so our kits are available immediately for new programs. With this running production, affordable prices are guaranteed up to 2035+. CELERIS customers will also benefit from future upgrades and 40 years of support, just like the French Army.

What really makes the difference for us is the extent of the partnership: we advise during vehicle development, we adapt our kits and software to

the exact needs, we help with the integration of the kits and the assembly, we train the teams and we make sure our partner is 100% in control of everything when the first vehicle is delivered to the end user. After production, it is their vehicle, with their logo and their design. Texelis is just supplying the mobility.

Did you create any vehicle with CELERIS yet?

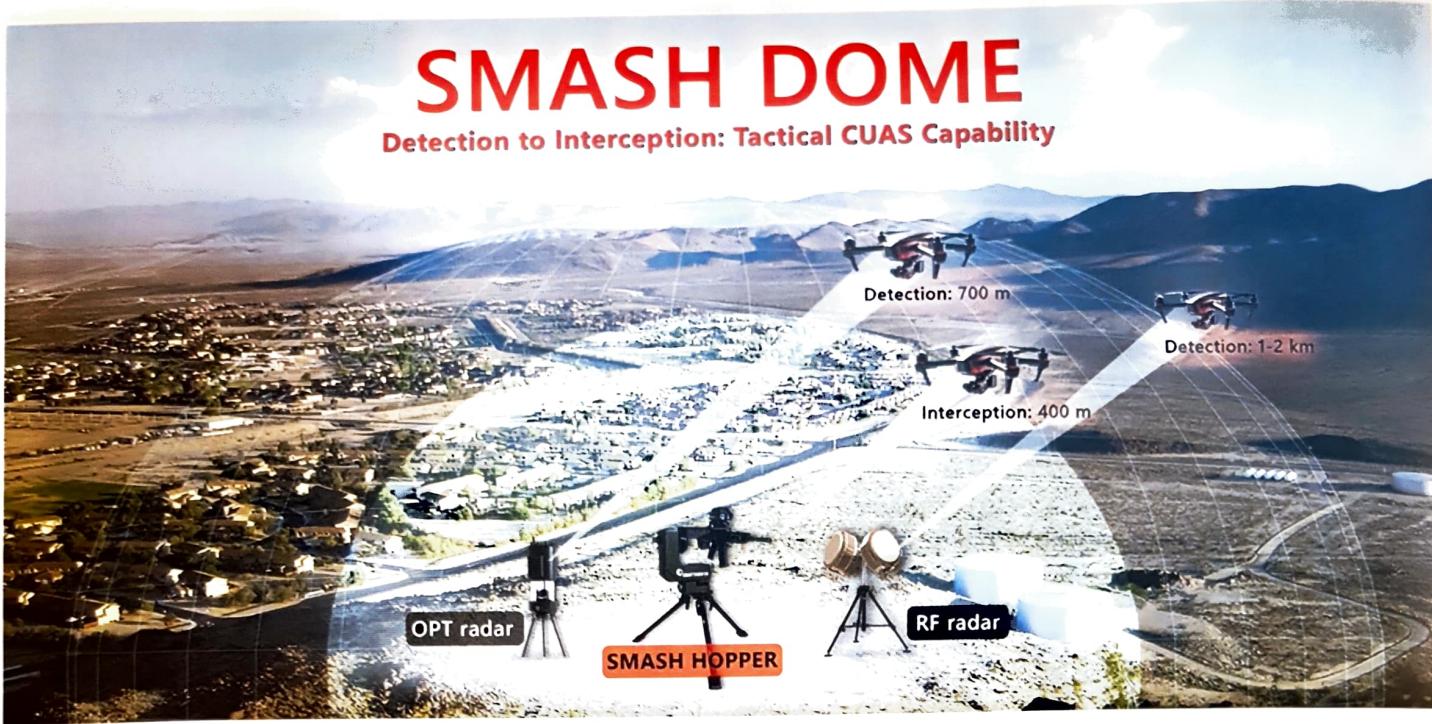
Very fresh news for us! Last January, our partner PT SSE from Indonesia unveiled their new generation APC, an 18-ton APC built on CELERIS. This experience proves we were right about the timeframe and the method: we were successful in getting PT SSE aboard new technology and new production methods. We proved that one could create a new modern 4x4 from scratch in as little as 18 months thanks to our solution: with PT SSE, it took us just a year from contract to prototype presentation. P2 Tiger is probably unique as a vehicle in South-East Asia in terms of performance; but the co-

operation we set together

with PT SSE is definitely unique in the world.

Such a successful partnership could be done anywhere around the world. Why not in the Emirates?





SMARTSHOOTER Unveils SMASH DOME: A Layered CUAS Solution for Area Defence and Force Protection

SMARTSHOOTER's SMASH DOME provides a comprehensive, scalable, and affordable solution to the growing threat posed by unmanned aerial systems. This new solution empowers national defence entities and critical infrastructure operators with advanced, effective C-UAS technology, addressing the evolving challenges of modern warfare.

SMARTSHOOTER, a leader in fire control innovation, introduces its latest counter-UAS (C-UAS) solution: SMASH DOME. This lightweight, portable, and adaptable solution supports both covert and overt operations, delivering tactical area defence against Unmanned Aerial Systems (UAS). As drones continue to proliferate as low-cost, high-impact threats, traditional jammer-based methods have become less effective. Many drones have evolved to include hardened defences against GNSS jamming, and their accessibility challenges conventional defence frameworks. SMASH DOME addresses this evolving threat with a multi-layer, cost-effective C-UAS solution that integrates detection and tracking together with precise kinetic interception.

An Advanced System of Sensors and Kinetic Interception

At the core of SMASH DOME's kinetic response is the SMASH Hopper - a lightweight,

remote-controlled weapon station (LRCWS) equipped with an assault rifle and a ballistically calculated Fire Control System (FCS). The SMASH Hopper is developed for accurate hit capabilities against drones and UASs, independent of communication link or model. Moreover, the Hopper may be integrated with a Command-and-Control (C2) system (e.g., ATAK), enabling automatic UAS target detection and tracking, and providing operators with real-time, calculated ballistic solutions. It can integrate different kinds of weapons and ammunition to enable kinetic interception of different types of UASs.

Complementing the SMASH Hopper, SMASH DOME's architecture incorporates active RF radar and passive optical detection systems to detect, classify, and track UAS targets. With detection ranges spanning up to 1-2 km (detection ranges vary according to sensor type), the sensors continuously transmit target data to SMARTSHOOTER's proprietary tracking system, ensuring continuous monitoring and real-time drone interception readiness. The SMASH Dome is designed for deployment on manned and unmanned vehicles and platforms, as well as for use on the ground, along borders, and at strategic facilities. "Our world is increasingly facing the challenge of rogue drones disrupting

and endangering critical areas," said Michael Mor, SMARTSHOOTER CEO. "SMASH DOME, powered by our unique SMASH technology, provides a cost-effective and precise solution to this threat. Its seamless integration with existing Command-and-Control (C2) systems makes it a versatile asset, serving as both a standalone defence and an essential 'insurance policy' for passive C-UAS solutions. By minimizing ammunition use and ensuring effective interception of both small drones and larger UASs, SMASH DOME exemplifies SMARTSHOOTER's dedication to protecting forces and critical infrastructure from evolving aerial threats."

SMASH DOME's person-in-the-loop design ensures precision and operational control. Through the FCS feed, operators maintain visual confirmation of targets, enabling automatic drone tracking and initiation of kinetic response with a simple command. This precise approach minimizes collateral damage and enhances overall operational efficiency, particularly in densely populated or sensitive areas.

The attached video shows the SMASH DOME in action, precisely hitting an Unmanned Aerial Vehicle from about 300 meters.



SMARTSHOOTER
PRECISE TECHNOLOGICAL SOLUTIONS

SMASH Fire Control Systems

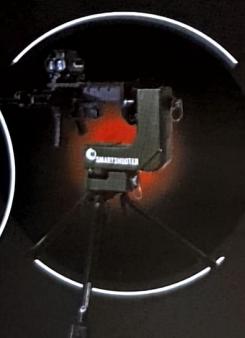
Revolutionizing Modern Warfare



Powered by SMASH technology, our Fire Control Systems ensure mission success by reliably engaging and neutralizing ground, aerial, static or moving targets – including drones – in day and night operations.

SMASH FCS: Turning Precision into Power, Anywhere, Anytime

PLATFORM - AGNOSTIC SYSTEMS



Ground

Ground

Remote-Controlled

Aerial

Aerial

EDGE Unveils its Most Advanced Line-up of All-Domain Defence and Tech Solutions at IDEX 2025



EDGE, one of the world's leading advanced technology and defence groups, is unveiling 46 new systems and solutions across its all-domain portfolio at the International Defence Exhibition & Conference 2025 (IDEX 2025) and the Naval Defence & Maritime Security Exhibition (NAVDEX 2025).

The launch of the new solutions boosts the Group's diverse portfolio to 216 unique products, enabling it to strengthen national sovereignty over critical defence systems, and to pursue international growth through partnerships and exports. EDGI continues to disrupt industry norms across air, land, sea, cyber, and space with greater speed, efficiency from development to delivery, at highly competitive price points; with world class communications solutions, sovereign cryptography and post quantum capabilities; and by leading the way in the development of innovative artificial intelligence powered solutions adapted to the modern operational environments.

Hamad Al Marar, Managing Director & CEO of EDGI, said: "This is by far our most advanced display to date, showcasing not only next generation solutions but the critical technologies that power them. We have moved beyond delivering standalone systems to developing integrated, multi-domain capabilities that enhance mission effectiveness and operational superiority. From autonomous platforms and advanced sensing technologies to secure communications and counter UAS solutions, every product we are unveiling at IDEX 2025 is designed to deliver real world impact. By pushing the limits of technological innovation and driving synergies across our ecosystem, we are reinforcing EDGE's position as a global leader in delivering advanced defence and security solutions."



Among several new solutions being launched in the air domain is the ANAVIA HT-750, a high technology rotary-wing unmanned heavy lift aircraft featuring intelligence, surveillance, and reconnaissance (ISR) and cargo delivery capabilities; and the PI45i, an all weather two-stroke, six cylinder, 1.8 litre aeronautical piston engine manufactured through the recently launched EDGE entity POWERTECH.

New solutions in the land domain include the HAVOC Robotic Combat Vehicle (RCV), produced by Estonia based MILREM ROBOTICS; and the NIMR AJBAN MK2 series with three new multi-role armoured vehicle variants (AJBAN 4x4AL, AJBAN 4x2AU, AJBAN 4x2A). In the small arms category, new products include the CARACAL SNIPER RIFLE MUETI CALIBRE (CSR) and

In the naval domain, EDGE has launched its new 45 metre FA-400 offshore patrol vessel, designed with full IP ownership and con-

EDGE is significantly expanding its secure communications, counter-UAS, and electronic warfare capabilities by showcasing the KATIM X3M, a rugged, secure, and modular mission-critical communication device for battlefield communications; the SHADOW 3 portable and autonomous C-UAS; and the BORDER SHIELD surveillance system, among other high-tech solutions.

EDGE's space technology arm, FADA, is unveiling TACTICA, an AI-powered C4I (Command, Control, Communications, Computers, and Intelligence) system, harnessing the power of AI and generative AI to revolutionise space intelligence. Designed to enhance real-time decision-making and mission effectiveness, TACTICA stands as a testament to EDGE's technological leadership in AI-driven solutions.

To accelerate technological advancement, EDGE is launching key programmes and unveiling its most advanced suite of electronic warfare, radar, and electro optical systems to date. These cutting-edge solutions—including compact gimbals, high precision electro-optical cameras from the MIRSAD family, and next-generation radars from the TAWAQ portfolio, recently tested in the UAE—are mission-critical for modern defence.

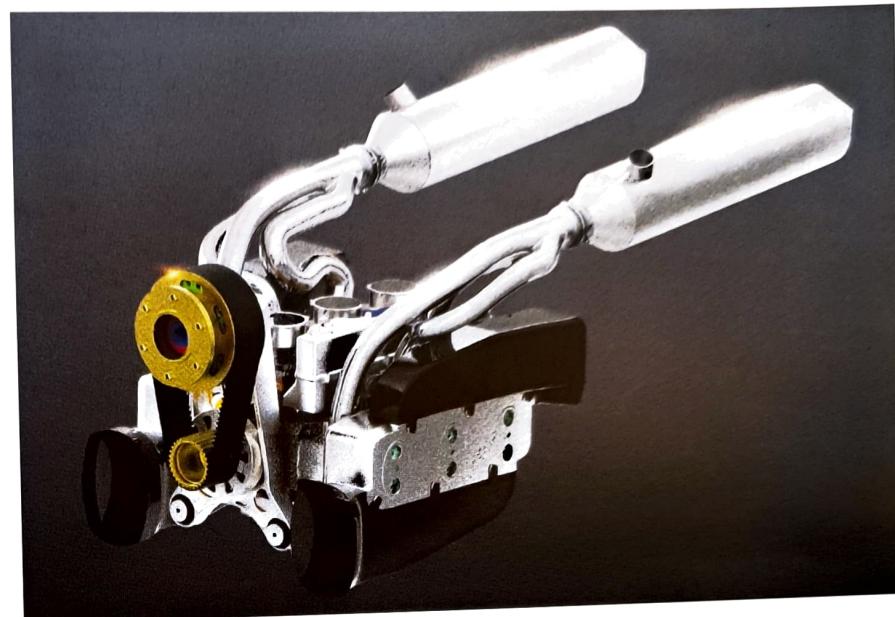
Attendees can visit EDGE's diverse portfolio at stand C20 in Hall 5, outdoor stand CP 200, and ADSB in NAVDEX 2025, stand B 022.

EDGE Launches POWERTECH to Establish Global Propulsion Systems Manufacturer

EDGE, one of the world's leading advanced technology and defence groups, has announced the launch of POWERTECH, a new company focused on the development and production of high-performance aero engines and complete propulsion systems. With a clear ambition to compete in the global propulsion market, POWERTECH will deliver reliable, purpose-built engines for civil aerospace and defence applications.

Established to meet the growing global demand for propulsion systems, POWERTECH is driven by the rapid expansion of aerospace and autonomous platforms across multiple sectors. In addition to addressing international market needs, POWERTECH will strengthen EDGE's portfolio by creating cross-complementary synergies, supporting the performance of EDGE's UAVs and autonomous systems while offering flexible solutions for both local and global markets.

The addition of POWERTECH to EDGE Group's portfolio marks a significant step



toward building an integrated ecosystem for autonomous platforms and other aircraft. The new entity will play a key role in support-

ing the UAE's industrial strategy while opening opportunities in local and international markets.

RTX's Raytheon to showcase advanced defence solutions and technological capabilities at IDEX 2025

Raytheon, an RTX business, is set to showcase its latest capabilities and innovative solutions designed to address the evolving challenges of a rapidly changing global defence landscape at the UAE's premier International Defence Exhibition and Conference (IDEX) from 17-21 February 2025 taking place at ADNEC Centre Abu Dhabi.

This year, Raytheon will focus on highlighting its capabilities across integrated air and missile defence and air warfare. Among the solutions displayed throughout IDEX, Raytheon will showcase a portfolio of combat-proven air and missile defence sensors and effectors, including the Coyote Block 2 kinetic effector; the Lower Tier Air and Missile Defence Sensor (LTAMDS), designed to detect and defeat complex threats across the battlespace; and the National Advanced Surface-to-Air Missile System (NASAMS), which provides advanced medium-range air defence. The company will also highlight its



leading position as a sensor provider on 5th generation platforms and Unmanned Aerial Vehicles (UAVs) with the MS-110 Multispectral Airborne Reconnaissance System, the DAS-4 Multispectral Targeting System, and the

SeaVue Multi-role surveillance radar.

Raytheon exhibits will be located at booth 03-A20.

AMMROC to Showcase Advanced MRO Capabilities and Announce Key Partnerships at IDEX 2025

AMMROC, the region's leading provider of maintenance, repair, and overhaul (MRO) solutions, is set to make a strong impact at IDEX 2025, the global stage for defence innovation and collaboration. As a strategic partner in military aviation readiness, AMMROC will leverage this important event to highlight its cutting-edge capabilities, foster key client engagements, and formalize significant agreements that will drive the industry forward.

With an extensive track record in delivering world-class MRO solutions, AMMROC is kicking off 2025 with an ambitious roadmap of collaborations, contracts, and Memorandums of Understanding (MoUs), many of which will be signed at its stand during IDEX. The company's participation underscores its commitment to supporting the UAE's vision of strengthening defence capabilities and enhancing operational readiness through innovation and strategic partnerships.

Jasem Al Marzoogi, CEO of AMMROC, com-

mented: "We are proud to be part of IDEX 2025, a strategic gathering for the global defence industry and an important venue for AMMROC to showcase our expertise, establish new partnerships, and reaffirm our commitment to delivering world-class MRO solutions. This event will be a great platform to start 2025 for another year of growth, reinforcing our position as a trusted partner in military aviation."

As the region's leading MRO provider, AMMROC continues to expand its capabilities, integrating cutting-edge technologies and advanced maintenance solutions to meet the evolving needs of its clients. The company's state-of-the-art MRO facility in Al Ain remains at the forefront of military aviation support, offering tailored solutions that ensure mission readiness and operational superiority.

Attendees are invited to visit AMMROC's stand (CP-249) at IDEX 2025, held at ADNEC, Abu Dhabi, from 17-21 February 2025, to explore its latest offerings, engage with

industry experts, and witness firsthand the innovative solutions shaping the future of military MRO services.

Founded in 2010 and headquartered in Al Ain at the Emirate of Abu Dhabi, UAE, AMMROC is a premier provider of Maintenance, Repair, and Overhaul (MRO) services for military and commercial aviation. As the region's only authorized Lockheed Martin C-130 Service Center and a Sikorsky-authorized UH-60 Black Hawk Blades MRO, AMMROC delivers unmatched capabilities, including comprehensive Black Hawk airframe and component services.

With one of the largest MRO hangar capacities in the region, including a state-of-the-art widebody paint hangar, AMMROC sets the standard for innovative, world-class aviation maintenance solutions.

**For more information, please visit
www.ammroc.ae**

