**ESG at EUROSATORY 2024**

EUROSATORY 2024, one of the most important defence and security events worldwide, is taking place this year in **Paris from 17 to 21 June 2024** with the main theme “Protect your future”. ESG Elektroniksystem- und Logistik-GmbH, a leading German system integrator and technology and innovation partner for defence and public security, will be exhibiting at the show, demonstrating products and innovations that enhance command and control and protection capabilities.

ESG will be showcasing its range of solutions for command and control in multi-domain operations – from tailored C4I software to complete command post infrastructure. Highlights include TARANIS® ADLER, a combat-proven integrated solution for Joint Fire Support that connects all assets on the battlefield from sensor to shooter in real-time. It significantly improves coordination throughout the chain of command, enabling more effective fire support and enhanced situational awareness. ESG´s Digitally Aided Close Air Support (DACAS) ground kit, based on the TARANIS® ADLER software with integrated hardware, improves decision-making for Joint Terminal Attack Controllers (JTAC) during challenging Close Air Support (CAS) scenarios. The interoperable solution enables quick exchange of reliable and precise information on the target and the situation between JTACs, combat aircraft and C2 units.

With its innovative solution Augmented Common Operational Picture (ACOP), ESG will be demonstrating a realistic, interactive 3D visualisation of the battlefield with situation display of land, air and naval forces. Using Augmented Reality glasses, ACOP enables intuitive terrain assessment and interactive situation briefings for military simulation-based training and operational planning.

Deployable and mobile command facilities provide the basis for effective command and control capabilities on the battlefield. As a full-solution provider, ESG will be presenting scalable solutions that range from boxed server elements to complete container-based command posts and headquarters, ensuring networking and cross-domain collaboration in all deployment scenarios.

At EUROSATORY, we will also be presenting customised solutions for reliable detection and effective defence against drones. ESG will demonstrate ELYSION, the proven command and control counter-UAS software for the best possible protection against threats from uncooperative drones. ELYSION is ESG’s response to reduce the complexity of the UAS threat – providing a highly specialised C4I software solution with performant sensor data fusion and an intuitive operational picture with integrated video feed.

Furthermore, ESG and WELP will be showcasing their pioneering solution for a vehicle-based Multi-Platform Mission Management, a game-changing technology that enables the coordination and management of multiple and different types of drones for complex missions in the field. WELP's armoured vehicles provide a secure and robust platform for mission operators, deploying ISR drones, each seamlessly integrated into the vehicle, executing its mission in the field. ESG’s solution TAC2 empowers military and security forces to efficiently guide and coordinate multiple drones simultaneously to accomplish complex missions and objectives. Amongst other features, the system provides real-time access to all drone payloads as well as enables "tasking on demand" for each drone system. By integrating TAC2 into WELP's armoured vehicles, the companies have created a robust and secure

solution for dynamic and challenging ISR operations supported by co-operative drones and ensuring a safe and effective mission execution.

Visit us at EUROSATORY 2024 at **stand no. J310 in hall 6**.

ESG has been one of the leading German providers of design, integration, operation and in-service support of complex, security-related electronic and IT systems for more than five decades. In Germany and internationally, ESG provides products and services for customers from government authorities, the fields of defence, public security and industry. ESG is a certified aviation company for aircraft and aviation equipment for the Bundeswehr (German Federal Armed Forces) and an aviation engineering company in line with EASA Part 21J, EASA Part 21G and EASA Part 145. As a special systems company for mission avionics, simulation and training, as well as special deployment systems, ESG offers customised solutions. Independent process and technology consulting is one of ESG's key competencies. Technology transfer between markets is what makes a significant contribution to our customers' added value. Since April 2024 ESG is part of the HENSOLDT Group.

Quelle:

ESG Press Release 04 June 2024

**Airbus partners with Avincis on Advanced Air Mobility**

Airbus and Avincis, a well-established European helicopter operator, have signed a Memorandum of Understanding (MoU) to partner on the development of Advanced Air Mobility (AAM). The companies will collaborate to explore opportunities for operating electric vertical take-off and landing (eVTOL) aircraft throughout Europe.

Through the agreement, Airbus and Avincis will focus on defining the concept of operations for eVTOLs in Europe and beyond. Both parties will jointly work to define mission profiles for eVTOL operations in Europe and other target regions. This agreement is another step towards the creation of an AAM ecosystem and is an expansion of Airbus' long standing relationship with Avincis.

John Boag, CEO, Avincis, said: "Our partnership with Airbus is an important milestone for Avincis, as we look to the future of emergency air services and the platforms that will support our missions for generations to come. eVTOLs will play an important role in our long-term fleet strategy as these technologies continue to evolve to give us further reach and capability in the field.

"Airbus is at the cutting-edge of this evolution, and we are excited to be working with their team in understanding how we can harness the latest technology to bring more sustainable solutions to emergency services globally."

"We're pleased to partner with Avincis. Their established operational network, which is essential to enabling key missions such as emergency medical services, search and rescue, and fire-fighting, will be a valuable tool to collectively explore the mission potential of CityAirbus NextGen," said Balkiz Sarihan, Head of Urban Air Mobility at Airbus. "Through this collaboration we will explore how eVTOLs can contribute to missions that save lives and protect communities, a shared goal among our two companies."

The Avincis global fleet currently includes around 60 Airbus aircraft, which are critical to delivering safe, reliable and consistent operations from its bases across Europe, Africa and South America. Avincis and Airbus have enjoyed a longstanding and successful cooperation, developing a solid and trusting relationship that will form the foundation of this new eVTOL collaboration.

Airbus remains committed to expanding its network of partnerships around the world in order to build an ecosystem that promotes a viable AAM market. The fully electric CityAirbus NextGen prototype was presented to the public in March 2024, following the vehicle's final assembly and power-on in December 2023. The vehicle is now undergoing testing at the company's AAM test centre in Donauwörth, Germany prior to its initial flight later this year.

Avincis is one of the world's leading Aerial Emergency Services operators, providing critical aviation services to the civil sector to save lives, safeguard communities and protect the environment. With a fleet of more than 220 aircraft, Avincis counts on a team of more than 2,400 courageous and talented professionals, including highly experienced pilots, crews and technicians. Avincis has bases in Spain, Portugal, Italy, Norway, Sweden and Finland, as well as operations in Mozambique and Chile.

Quelle:

Airbus Press Release 05 June 2024

**Neues Mitglied im Diehl-Aufsichtsrat**

*Das ehemalige und langjährige Vorstandsmitglied der Siemens AG, Herr Klaus Helmrich (66), ist mit Wirkung ab 01.09.2024 in den Aufsichtsrat der Diehl-Gruppe berufen worden.*

Herr Helmrich verfügt über mehr als 30 Jahre Berufserfahrung im Industriesektor. Neben einem tiefgehenden Technologieverständnis verfügt er über große Expertise im Bereich der Digitalisierung, Automatisierung sowie Forschung und Entwicklung. Als langjähriges Vorstandsmitglied der Siemens AG kann er zudem eine hohe Kompetenz im Bereich Märkte, Portfolio-Management und Strategieentwicklung vorweisen.

Quelle:
Diehl Press Release 06 June 2024

**History**

**IAI and the Security of Israel**

Established in 1953 as Bedek Aviation Company - a governmental institute for aviation - Israel Aerospace Industries started out as an all-purpose service and supplies provider,

specializing in air defense solutions. In the decades since, the company has grown to become a world leader in both the defense and commercial markets, developing, producing and delivering state-of-the-art technologies and systems across a range of domains, including air, land, sea, space, cyber, homeland security and ISR.

Quelle:
IAI

**3D-Druck: Liebherr erreicht weiteren Meilenstein**

Liebherr-Aerospace hat in der additiven Fertigung von komplexen Komponenten für die Luftfahrt den nächsten großen Schritt getan. Der Systemlieferanten hat erfolgreich einen 3D-gedruckten Flexshaft in das Hochauftriebssystem des Airbus A350 integriert. Das Bauteil wurde sowohl von Airbus als auch von der EASA (Europäischen Agentur für Flugsicherheit) für die Serienproduktion zugelassen.

Liebherr-Aerospace setzt seinen eingeschlagenen Weg im Bereich 3D-Druck konsequent fort. Jetzt konnte das Unternehmen mit dem Flexshaft einen weiteren Meilenstein feiern. Das Bauteil mit erhöhtem Komplexitätsgrad, das mittels 3D-Druckverfahren (Additive Layer Manufacturing) aus Titanpulver hergestellt wird, hat erfolgreich den Eintritt in die Luftfahrt gefunden. Sowohl der Flugzeughersteller Airbus als auch die EASA haben den Flexshaft für die Serienproduktion freigegeben.

Dank der neuen Konstruktionsmöglichkeiten bei der additiven Fertigung konnte Liebherr die Baugruppe aus sieben bisher konventionell gefertigten Teilen durch ein einziges 3D-gedrucktes Bauteil ersetzen. Die geringere Anzahl von Teilen erhöht nicht nur die Zuverlässigkeit, sondern sorgt auch für eine erhebliche Gewichtsreduzierung. Im Vergleich zu den bisher von Liebherr entwickelten und gefertigten Komponenten ist der Flexshaft deutlich komplexer und stellt damit einen weiteren Schritt auf dem Weg zu Anwendungen in hochintegrierten Systemen dar.

Der Flexshaft ist Teil des Hochauftriebssystems des Airbus A350, wo er in das aktive Differentialgetriebe des Landeklappensystems integriert wird. Der Flexshaft überträgt die Drehbewegung auf einen Positionssensor und gleicht so einen Winkel- und Achsversatz zwischen Getriebe und Sensor aus.

***Ein beeindruckendes Portfolio an 3D-gedruckten Produkten von Liebherr-Aerospace***

Der Lösungsanbieter Liebherr-Aerospace blickt bereits auf eine ganze Reihe von additiv gefertigten Bauteilen zurück. Anfang 2019 startete das Unternehmen zum Beispiel die Serienproduktion von 3D-gedruckten Teilen mit einer Sensor-Halterung für das Bugfahrwerk des A350. Diese Halterung war das erste Airbus-Systemteil, das für die additive Fertigung mit Titan zugelassen wurde.

Quelle:
Liebherr Press Release 07 June 2024

**Boeing Starliner Spacecraft Completes Successful Crewed Docking with International Space Station**

- *NASA astronauts Wilmore and Williams join seven other astronauts aboard ISS*

- *Wilmore and Williams completed a series of tests on the way to ISS including manually flying the Starliner*

NASA astronauts Barry "Butch" Wilmore and Sunita "Suni" Williams successfully docked Boeing's [NYSE: BA] Starliner spacecraft to the International Space Station (ISS), about 26 hours after launching from Cape Canaveral Space Force Station. The astronauts monitored Starliner as it autonomously conducted a series of maneuvers to steadily bring the spacecraft closer to the orbiting laboratory before docking.

On the way to the ISS, the crew completed a series of tests including manually flying Starliner for the first time in space. The two Starliner astronauts, who are joining seven others currently living on the station, will assist with various tests and conduct scientific experiments while in space.

"It is both amazing and humbling to join the fleet of commercial spacecraft capable of conducting crewed transportation services to and from the space station for NASA. Our teams have done some great work to get us to this point," said Kay Sears, vice president and general manager of Space, Intelligence & Weapon Systems for Boeing Defense, Space & Security.

After spending about a week on orbit, Wilmore and Williams will board Starliner and return home.

Quelle:
Boeing Press Release 06 June 2024

**Battery Show 2024: Diehl präsentiert Innovationen für die Bereiche Elektromobilität und Batteriesysteme**

Auch 2024 ist die Diehl Gruppe wieder auf der Fachmesse „The Battery Show Europe 2024“ vertreten und stellt neben modernsten Lösungen für mechanische, elektronische und mechatronische Systeme und Subsysteme von Batterypacks auch zwei Innovationen vor.

Die Battery Show Europe 2024 öffnet vom 18. bis 20. Juni 2024 auf dem Messegelände in Stuttgart ihre Pforten. Auch in diesem Jahr ist die Diehl Gruppe am Stand B40 in Halle 8 mit von der Partie. Die beiden vertretenen Teilkonzerne Diehl Metall und Diehl Controls entwickeln zum einen komplette Batteriepacks mit Energieversorgung und Batteriemanagementsystem (BMS). Zum anderen entwickelt Diehl maßgeschneiderte Subsysteme und Komponenten für Batterien, darunter Zellkontaktiersysteme, BMS-, HMI-Lösungen (Human Machine Interface), Leiterplatten und galvanische Anwendungen.

***Neueste Lösungen für die Elektromobilität und Batteriesysteme***

Als erfahrener und wichtiger Entwicklungspartner in der Automobilindustrie hat sich Diehl Metall der Fertigung von Zellkontaktiersystemen verschrieben und produziert diese seit vielen Jahren erfolgreich in Serie. In diesem Jahr stellt Diehl Metall seine neueste zum Patent angemeldete Innovation vor und präsentiert: D**as vollintegrierte, faltbare, laminierte Zellkontaktiersystem (ZKS).**

Diese neu entwickelte Lösung für den Antrieb moderner Hybrid- und Elektrofahrzeuge bietet eine hohe Flexibilität in vielerlei Hinsicht. Durch das faltbare Design und die damit verbundenen reduzierten Abmessungen und dem geringen Gewicht senkt das faltbare laminierte ZKS nicht nur die Kosten für den Transport, sondern verringert zugleich die Umweltbelastungen. Durch seine modulare Aufbauweise ist sowohl eine einfache Montage also auch das Integrieren von weiteren elektronischen Komponenten oder mechanischen Elementen möglich. Mit dieser Innovation hebt Diehl Metall die Fertigung von Zellkontaktiersystemen auf ein neues Level.

Auch im Bereich der LOW-Volt oder 48V Batteriesysteme gibt es eine innovative Produktneuheit zu verkünden. Denn als führendes Unternehmen entwickelt und fertigt Diehl Metall hochwertige Batteriesysteme und Batteriezellenhalter für eine Vielzahl von Märkten, z.B. für die Kategorien: e-Bikes, Power Tools & Industrial Applications. Nun läutet Diehl Metall mit seiner neuesten Innovation die nächste Generation der Batteriesicherheit ein und präsentiert **eine neue Generation der Batteriezellenhalter.** Durch sein kompaktes und effizientes Design maximiert dieser den verfügbaren Platzt und bietet zugleich robusten Schutz für Batterien jeder Größe. Sicherheit ist hierbei oberste Priorität und der neue Batteriezellenhalter erfüllt externe Anforderungen wie z.B. UN-Normen für den sicheren Transport. Durch die Kombination von Design und der Einhaltung von Sicherheitsstandards setzt Diehl Metall neue Maßstäbe in der Batterietechnik.

***Höchste Qualität durch moderne Produktionstechnologie***

Diehl Controls hat sich in der Industrialisierung und Produktion von Elektronik-Systemen, wie bspw. Batterie Management Systemen als zuverlässiger Technologiepartner etabliert. Mit langjähriger Erfahrung, wichtigem Know-how und moderner Produktionstechnologie ist das Unternehmen optimal aufgestellt, um modernste Batteriesysteme in höchster Qualität zu liefern.

Hierbei ist der sehr hohe Qualitätsstandart, die hauseigenen Testsysteme sowie die hohe Kompetenz in RF-Designs für die internationalen Kunden besonders wichtig.

Immer mehr globale Player lassen daher ihre Produkte an Standorten des Technologieunternehmens in Europa, Amerika oder Asien fertigen. Durch kontinuierliche Erweiterungen in Europa und China wird zudem die Fertigungskapazität ausgebaut und die globale Präsenz gestärkt.

**Das Team der Diehl Gruppe finden Sie auf der Battery Show 2024 am Stand B40 in Halle 8. Besuchen Sie uns an unserem Stand und überzeugen Sie sich selbst von den neuesten Innovationen. Wir freuen uns auf Ihren Besuch und auf den Austausch.**

Quelle:
Diehl Press Release 07 June 2024

**Deutsche Aircraft commences construction of the Final Assembly Line for the D328eco™ Turboprop**

Deutsche Aircraft has started preparations for the construction of the new Final Assembly Line (FAL) at Leipzig/Halle Airport. Together with local partners, initial progress is currently underway at the construction site. With this development, Deutsche Aircraft has reached a new milestone in the D328eco programme as construction moves forward for the new 40-seater turboprop in the Free State of Saxony.

In May 2023, Deutsche Aircraft commemorated the ground-breaking ceremony in Leipzig alongside federal and state partners. Since then, foundations for the construction of the FAL have been laid.

The German OEM is currently preparing for the next phase of this ambitious project. The State Secretary of the Saxon State Ministry for Economics, Labour and Transport, Thomas Kralinski, met Nico Neumann, COO of Deutsche Aircraft, at the Deutsche Aircraft stand during his visit to ILA 2024 in Berlin today to discuss the status of the project.

Expressing his satisfaction with the progress, Deutsche Aircraft COO, Nico Neumann, stated, “We are excited about the continued progress of the Final Assembly Line in Leipzig. The implementation of the latest industry standards is a crucial part of our D328eco programme. We are also making good progress in preparing the 250 employees for starting work at the site. The initial employees have arrived and we have begun training for the Leipzig location.”

The State Secretary of Saxony, Thomas Kralinski, added, “The Saxon State Ministry for Economics, Labour and Transport is providing support for this project and I am pleased to announce that the preparatory construction work at Leipzig/Halle Airport has officially started. I would like to extend my best wishes to Deutsche Aircraft and all its partners for a swift and successful construction process for the new Leipzig hangar.”

The Final Assembly Line will be 100% climate friendly. Through the installation of a photovoltaic system on the roof, all the energy required for production will be generated in a CO2-neutral manner. In addition, the incorporation of the latest heat pumps and energy storage systems will ensure a self-sufficient electricity supply for the production line. The environmentally conscious design is complemented by a green roof and a wood-concrete hybrid construction for the administration building.

Deutsche Aircraft is also focusing on digital processes and is aiming for 100% paperless production. Automated and driverless transport systems and the use of innovative IT solutions will not only improve the efficiency but also the precision of production. This will create a modern production facility and an attractive workplace.

The Final Assembly Line, together with the flight readiness hangar, logistics centre and administration building, will cover an area of around 62,000 square meters. The intention is to produce forty-eight D328eco aircraft per year and between 250 and 350 jobs will be created in the region.

With an investment of over 100 million euros, Deutsche Aircraft and its partners are committed to championing  innovation and sustainability in aviation.

Quelle:
Deutsche Aircraft Press Release 05 June 2024

**Wir sind General Atomics Europe**

Unsere Unternehmensgruppe bietet innovative und maßgeschneiderte Lösungen für Kunden in den Bereichen Luftfahrt, Infrastruktur und Nachhaltigkeit. An unseren Standorten in Deutschland arbeiten knapp 1.000 Mitarbeiterinnen und Mitarbeiter.

***Luftfahrt***

Wir setzen neue Maßstäbe in der Luftfahrt: Bei der Herstellung und Wartung der legendären Do228 (Dornier 228), durch MRO, Upgrades und Lackierungen von Business Jets, bei der Wartung von militärischen Helikoptern und in der Fertigung von Einzelteilen und Baugruppen für die Luftfahrtindustrie.

Quelle:

General Atomics Europe

**GHS launches Forward Air Evacuation Services in Benin under new EDA Contract**

Global Helicopter Services (GHS) is excited to announce a new contract with the European Defence Agency (EDA) to provide Civilian Tactical Air Evacuation (Airmedevac) services. This initiative supports the Belgian Defence deployment in Benin, further demonstrating our commitment to providing essential services in challenging regions.

In partnership with Sahel Aviation Services and Iqarus Medical, GHS has assembled a team of experts to deliver comprehensive Airmedevac capabilities. Our services will be available 24/7, featuring two Beech 1900D aircraft equipped to transport two stretcher-borne and six seated patients, each under continuous medical supervision.

Dominik Goldfuss, CEO of GHS, stated,

"*We are profoundly honored to once again be selected by EDA for the Airmedevac services in Benin, thereby marking another significant milestone for GHS. I extend special congratulations to our startup team, whose dedication ensured our "On Time" mission readiness within the stringent timelines set by our clients. As we continue our collaboration with EDA and the Belgian Defence (BelDef), we remain committed to providing a service that*

*is not only safe and cost-effective but also perfectly tailored to meet the demands of the mission.*“

Quelle:
GHS Press Release 21 May 2024