HENSOLDT flight recorder: lightweight with high performance

New product for light aircraft, light helicopters and drones receives EASA certification

Sensor solutions provider HENSOLDT is launching a new flight recorder that combines the latest sensor technologies in an extremely compact design to record flight, data link, video and audio data. The SferiRec®LCR100 has now received ETSO (European Technical Standard Approval) certification for aircraft equipment by the European Aviation Safety Agency (EASA). Due to its extremely low weight, volume and power consumption, the new flight recorder makes it possible to equip light aircraft and drones, as well as business jets and light helicopters.

Christoph Ruffner, Head of the Spectrum Dominance & Airborne Solutions Division at HENSOLDT, said: "HENSOLDT is making an important contribution here to increasing aviation safety. With a powerful flight recorder like the LCR100, not only can data analysis after an aviation accident help to prevent future accidents; critical situations can also be processed afterwards in a fact-based and professional manner using the available data."

The SferiRec LCR100 flight recorder has a large number of interfaces with different data formats to record hundreds of parameters. These include altitude, position, speed, engine data to name but a few. With a weight of one kilogram, HENSOLDT's LCR is currently the lightest device of its kind on the market. The combined recorder unites all recording functions that were previously distributed among different devices. In addition, flight data as well as maintenance data can be read out on an easily accessible SD card. The integrated sensors include a built-in microphone for ambient noise, three-axis gyroscope and accelerometer, a temperature sensor, a GPS receiver and an air pressure sensor.

The SferiRec LCR100 is the first flight recorder to be qualified and approved according to the certification requirements of ED-155 and ETSO-2C197 in Europe.

HENSOLDT has more than 35 years of experience in the development and supply of flight recorders. More than 1000 recorders of various types have been produced and delivered for platforms such as GE-Tornado, Tiger, NH90, P3C Orion and the German Armed Forces helicopter fleet with UH-1D, Sea King, Sea Lynx, CH-53, BO105 and the KZO drone. HENSOLDT holds a number of important patents in this field. In particular, HENSOLDT has developed unique and leading know-how in the miniaturisation of certified crash-proof storage units.

Quelle:
Hensoldt Press Release 04 November 2022

MBDA and Safran take a majority stake in CILAS

Safran Electronics & Defense and MBDA have completed the acquisition of ArianeGroup's 63% majority stake in CILAS, a French company specialized in lasers for military applications.

The acquisition was carried out through a joint company created for the purpose called HMS Laser, equally owned by Safran Electronics & Defense and MBDA.

Founded in 1966, CILAS designs, develops, produces and sells laser products and optical solutions for military and civil applications.

Safran Electronics & Defense and MBDA will support the growth of CILAS, as well as the development and production of solutions designed to support France's sovereignty and strategic independence, while also facilitating the company's European positioning and export opportunities.

CILAS is a specialized equipment supplier offering cross-functional technologies. It will continue to apply a business model based on its position as a supplier of products and technologies to all domestic and international customers.

"CILAS is the French laser technology champion," said Eric Béranger, CEO of MBDA. "Today's weapon systems increasingly call on latest-generation lasers, and this trend is likely to continue. By combining the complementary strengths of CILAS and MBDA, we will meet the upcoming challenges for France and Europe of achieving operational superiority and strategic independence."

Martin Sion, CEO of Safran Electronics & Defense, added, "CILAS is a long-standing partner to our company. Our complementary optronics capabilities will enable us to develop and refine our solutions involving laser designation, while also investigating the possibilities of optical communications for both terrestrial and space applications. We can now team up with CILAS and our partner MBDA to offer sovereignty solutions that integrate power lasers, by calling on our respective areas of expertise."

Quelle:
MBDA Press Release 02 November 2022

Mynaric delivers HAWK to new commercial U.S.-based energy customer

Mynaric (NASDAQ: MYNA) (FRA: M0YN), a leading provider of industrialized, cost-effective, and scalable laser communications products, today announced the delivery of a set of multiple HAWK optical communications terminals for an initial test campaign to a new commercial U.S.-based energy customer. The terminals are intended to be utilized in disaster recovery missions where satellite or terrestrial communications infrastructure has been compromised.

"Today marks an exciting day as our team ships HAWK products to a commercial energy customer in the United States," said **Tina Ghataore, CCO of Mynaric**. "We are thrilled that the market is recognizing what we have known for many years; once you realize the power of laser communications technology, new use cases where the technology can outperform legacy

systems emerge. Our HAWK terminals are ready to ship to customers today and we are looking forward to exploring additional use cases for laser communications in the future."

"Originally designed for air-to-air use we have successfully demonstrated HAWK in a variety of air-to-ground and dynamic ground-to-ground scenarios," said **Joachim Horwath, CTO of Mynaric**. "It's great to see that our customers are making use of HAWK's mission flexibility and we look forward to learning from this novel customer deployment to continue to advance our products for additional use cases."

As communication networks get severely impacted by natural disasters, such as hurricanes, severe storms and ice accumulation, laser communication can play an important role in areas where satcom connectivity or terrestrial fiber is unavailable. Airborne vehicles equipped with optical communication terminals, transmitting large quantities of data in real-time, can provide an accurate account of the post-disaster environment, increasing the effectiveness and speed of restoration activities.
Quelle:
Mynaric Press Release 28 November 2022

MR Plan ist Top-Arbeitgeber im deutschen Mittelstand

Eine Urkunde von FOCUS Business bestätigt es: MR Plan gehört zu den attraktivsten Arbeitgebern am Standort Deutschland. Ein von dem bekannten Nachrichtenmagazin erhobenes Ranking unter Mittelstandsunternehmen bescheinigt uns, ein Top-Arbeitgeber zu sein.

Zusammen mit dem Recherchepartner FactField analysierte die FOCUS-Redaktion 550.000 Bewertungen, die Arbeitnehmer zu 38.000 Unternehmen abgegeben hatten. Um berücksichtigt zu werden, musste ein Unternehmen seinen Sitz in Deutschland haben, zwischen 11 und 500 Mitarbeiter beschäftigen. FactField führte dann – verteilt über mehrere Kanäle – eine groß angelegte Befragung unter Arbeitnehmern in Deutschland durch. Die Ergebnisse wurden um vorhandene Onlinebewertungen ergänzt und ausgewertet. Die besten 4.000 – also nur 10,5% der Unternehmen – wurden in die Liste der Top-Arbeitgeber aufgenommen.

Quelle:
MR Plan 2022

ML GRUPPE – BILDUNG NACH Maß

Halten Sie Ihre Personalentwicklung mit ML auf Spur.

***Unser Ziel**: Passgenaue Lösungen und echter Kompetenzgewinn.*

UNSER PORTFOLIO – LEARNING & DEVELOPMENT VON PROFIS

Unsere Kernkompetenz ist die Vermittlung von Fähigkeiten und Wissen. Egal ob im digitalen Format, Hybrid oder in Präsenz – wir beraten unsere Kunden seit mehr als 33 Jahren zu allen Belangen rund um die Themen Schulung, Weiterbildung und Personalentwicklung. Von der Bildungsstrategie und Konzeption über die Umsetzung und Organisation bis hin zur Evaluation betreuen unsere Bildungsexpertinnen und -experten die Projekte unserer Industriekunden und öffentlichen Auftraggeber mit didaktischem Fachwissen und zielgerichteten Bildungsmaßnahmen.

Quelle:

ML Gruppe

WIR LASSEN DIE VISION VON HEUTE ZUR REALITÄT VON MORGEN WERDEN

Bei LITEF kombinieren wir hohe Intelligenz und praktisches Wissen, um die speziellen Anforderungen unserer Kunden an inertiale Lösungen zu erfüllen. Durch unser jahrzehntelang gewachsenes Know-how bieten wir Lösungen, die auch unter extremen Bedingungen zuverlässig funktionieren. So entwickeln und produzieren wir in Freiburg heute und in Zukunft ITAR-freie Premium-Systeme, die auf einem einzigartigen Wissenspool basieren und perfekt auf Ihre individuellen Anforderungen zugeschnitten sind. Wo LITEF draufsteht, ist Hochtechnologie drin.

Lutz Kampmann, Managing Director

Quelle:

Northrop Grumman LITEF

Recap: AIX + ILA 2022

After two years of the Covid19 pandemic, we were very pleased to be back with a booth at two aviation fairs in June 2022.

Aircraft Interiors Expo 2022 Hamburg

With a joint Philotech and Bertrandt booth, we made our first joint public appearance. In the approximately 100 customer meetings we received very positive feedback. During a pleasant and constructive exchange, new customers could be acquired and first orders received.

ILA Berlin Air Show 2022

At the ILA Berlin we exhibited together with Bertrandt on a joint booth of bavAIRia.The focus of the fair layed on the environment and alternative environmentally friendly propulsion systems. Philotech and Bertrandt presented their engagement to the topic of **Zero Emission - Future Mobility.**

In keeping with the theme "Towards Zero Emission - Future Mobility" of the International Aerospace fair ILA 2022 in Berlin and the areas of **innovation, mobility, technology** and **sustainability,** Philotech and Bertrandt are showing how progress towards environmentally friendly locomotion is becoming visible at all levels of mobility.

From the "zero emission bicycle" and the "zero emission vehicle" (Harri) as an innovation platform for future mobility concepts and developments of electric drive and battery systems for vehicles, to the "zero emission airtaxi" and "zero emission aviation". True to this year's motto of the ILA "Pioneering Aerospace", work is being done in collaboration with the Center for Hybrid Electric Systems CHESCO, the Brandenburg University of Technology and Rolls Royce on corresponding implementations.

It is precisely the synergies between automotive and aerospace that form the basis for our joint success.

Good and promising discussions took place with customers such as Rolls Royce Germany, CHESCO, Diehl Aerospace, Rockwell Collins Aerospace, Deutsche Aircraft, Cariad, PAG (Premiun Aerotec), Liebherr Toulouse, Lockheed Martin etc.
Delegations from the Federal Government and the Bavarian Ministry of Economic Affairs visited the Philotech/Bertrandt booth.

We would like to thank our trade fair teams for the preparation as well as the direct presence at the fair.

Quelle:
Philotech Press Release 31 August 2022

Collins selected to participate in multiple EU Clean Aviation projects

- *Company will collaborate with industry partners to develop disruptive sustainable aviation technologies across Europe*

Collins Aerospace has been selected to participate in seven projects under the European Union's Clean Aviation Joint Undertaking. As part of the initiative, Collins will collaborate with European airframers, engine makers, suppliers and academia to develop disruptive sustainable aviation technologies. The company estimates that the funding it receives from Clean Aviation combined with its own R&D investments will reach €85 million.

"With our expertise in a broad range of aircraft systems and a strong research and engineering presence in Europe led by our Applied Research and Technology (ART) organization, Collins is well-positioned to support the EU's ambitious Clean Aviation goals," said Mauro Atalla, senior vice president, Engineering & Technology for Collins. "Together with our industry partners, we will advance our shared commitment to net-zero flight by breaking new ground on a range of solutions critical to the next generation of sustainable aircraft—from hybrid-electric propulsion, to thermal management, to systems for novel wing designs."

Pulling together the best talent and capabilities of the private and public sectors, the Clean Aviation Joint Undertaking is the European Union's leading research and innovation program for transforming aviation towards a sustainable and climate neutral future. Projects that involve UK sites will be supported by funding from UK Research and Innovation, working in concert with Clean Aviation.

Below is a list of the project categories and projects in which Collins will participate. Collins will serve as project coordinator for HECATE.

Hybrid-Electric Powered Aircraft

- **HE-ART** (Hybrid-Electric propulsion system for regional AiRcrafT)
- **TheMa4HERA** (Thermal Management for Hybrid-Electric Regional Aircraft)
- **HECATE** (Hybrid-ElectriC regional Aircraft distribution TEchnologies)
- **HERWINGT** (Hybrid-Electric Regional Wing Integration Novel Green Technologies)

Ultra-Efficient Short & Medium Range Aircraft

- **SWITCH** (Sustainable Water-Injecting Turbofan Comprising Hybrid-electrics)

Transversal Areas

- **HERA** (aircraft concepts for Hybrid-Electric Regional Aircraft)
- **CONCERTO** (Construction Of Novel CERTification methOds and means of compliance for disruptive technologies)

Quelle:
Collins Aerospace Press Release 21 November 2022

Saab Signs Contract for Two Signal Intelligence Ships for Poland

Saab has today signed a contract with the Polish State Treasury Armament Agency for design, production and support of two ships for Signal Intelligence (SIGINT) for Poland. The total order value corresponds to approximately EUR 620 million with deliveries planned during 2027. The order is expected to be booked by Saab before year end.

A SIGINT ship is used to support the acquisition of intelligence data across the full spectrum of naval intelligence capabilities. Saab will serve as prime contractor, designing and producing the two ships including the integration of advanced mission systems. The ships will be built by subcontractor Remontowa Shipbuilding SA in Poland.
“We are proud that Poland has selected Saab as a partner in naval intelligence ship systems. We will contribute with our capabilities by building advanced platforms with world-leading sensors, fully integrating complete mission systems, where we have long experience,” says Saab’s President and CEO Micael Johansson.
The effectiveness of the contract is subject to the fulfilment of certain financial conditions. All conditions are expected to be fulfilled by the end of 2022.

Quelle:
SAAB Press Release 25 November 2022

BILDUNGSPARTNERSCHAFT ZWISCHEN DEM JOHANNES-KEPLER-GYMNASIUM UND THALES DEUTSCHLAND OFFIZIELL BESIEGELT

„Für beide Partner ist es eine echte Win-Win-Situation“, so Schulleiter Dr. Rolf Bayer des Johannes-Kepler Gymnasiums in Weil der Stadt anlässlich der Unterzeichnung der Kooperationsvereinbarung mit dem international tätigen Technologie-Unternehmen Thales Deutschland, das durch Bernd Schopp, Vice President Human Resources, und Jürgen Dollmann, Head of Professional Education & University Relations, vertreten war. Das Ziel der Bildungspartnerschaft ist es nämlich, interessierten Schülerinnen und Schülern des JKG Einblicke in die Vielfalt der MINT-Berufe zu ermöglichen und sie bei der Berufsfindung sowie der Gestaltung ihrer beruflichen Zukunft zu unterstützen. Gleichzeitig hat Thales Deutschland großes Interesse daran, technikaffinen Nachwuchs für das Unternehmen zu gewinnen. Dies soll durch ein vielfältiges Angebot von Kooperationsmaßnahmen erreicht werden, die auch Fächer wie Geografie, Wirtschaft und Informatik berühren, etwa im Rahmen einer an die Kursstufe gerichteten Lehrveranstaltung zum Thema „Technologie-Business in der Globalisierung“.

Die Bildungspartnerschaft bietet den Schülerinnen und Schülern aber vor allem die Möglichkeit, die Praxis kennenzulernen, um optimal auf den Übergang von der Schule in Ausbildung und Studium vorbereitet zu werden. So können sie zukünftig den jährlich stattfindenden Girls´ and Boys` Day bei Thales Deutschland verbringen oder das BOGY-Praktikum absolvieren. Kursstufenschülerinnen und -schüler sollen auch die Gelegenheit für weitere Praktika erhalten, bei denen sie nicht nur mehr über die Geschäftsfelder des Unternehmens erfahren, sondern auch über die verschiedenen Ausbildungsberufe und die dualen Hochschulstudiengänge an der DHBW in Stuttgart. Daneben wird Thales Deutschland auch an schulinternen Berufsinformationsveranstaltungen wie am „Tag der Studien- und Berufsbotschafter“ teilnehmen, der von der BOGY-Beauftragten der Schule Jessica Friedl organisiert werden, die zusammen mit Jürgen Dollmann Ansprechpartner für die Umsetzung der Kooperationsvereinbarungen sein wird. Bekanntschaft mit technikinteressierten Schülerinnen und Schüler des JKG konnten die beiden Gäste zum Abschluss ihres Besuchs in der Robotik AG machen. Hier kam es zum regen Austausch mit den Schülerinnen und Schülern über das Konstruieren, Bauen und Programmieren ihrer Roboter, wobei Dr. Rolf Bayer und Hendrik Thiery als AG-Leiter für weitere Auskünfte zur Verfügung standen.

Quelle:
Thales Press Release 22 November 2022