### Navtech AdvanceGuard integrated into Dallmeier Hemisphere®

# Combined solution by Navtech and Dallmeier improves airside surveillance

**Regensburg / Ardington, 26 June 2024 (Germany / United Kingdom) – By combining innovative radar, camera and software technologies, Navtech and Dallmeier electronic now offer an integrated solution for optimised airside security at airports. By integrating the two systems, airport operators can achieve a very high level of objective security against a wide range of threat scenarios at low total cost of ownership.**

Airside violations are a major security problem in air traffic. The scenario of possible threats ranges from disruptions of flight operations by activists to serious threats from terrorist activities. By integrating the innovative [Navtech radar systems](https://navtechradar.com/) into Dallmeier’s [Hemisphere® software suite](https://www.dallmeier.com/products/software/hemisphere), airport operators can now implement an optimal solution to improve airside security.

**Superior detection and “friend or foe” differentiation**

Navtech AdvanceGuard high-resolution sensors automate critical airside tasks such as general Perimeter Protection, Critical Part (CP) Line Monitoring, runway incursion detection, Surface Movement Radar (SMR) and Foreign Object Debris (FOD) detection. AdvanceGuard provides Hemisphere® users with the ability to create multiple virtual zones and alerts operators in advance, enabling proactive threat management. A “friend or foe” integration distinguishes between legitimate and non-legitimate activities, reducing false alarms and increasing operator confidence. The long-range 360° sensors cover large areas with minimal infrastructure, ensuring cost efficiency and effective deployment.

**Automatic tracking and effective event handling**

If one or more intruders are detected by the Navtech radar system, the system automatically controls connected Dallmeier or third-party cameras responsible for the area. Hemisphere® users can now conduct visual verification of the event and track the intruded persons or objects. Thanks to the bi-directional integration into the [Dallmeier Hemisphere® software suite](https://www.dallmeier.com/products/software/hemisphere), users benefit from an extremely powerful workflow for handling alarms triggered by the Navtech system. Incidents can be managed from either of the systems.

**Maximum security performance, GDPR and NDAA compliance**

The integrated solution of Navtech AdvanceGuard and the Dallmeier Hemisphere® software suite minimises the risk of human error and increases objective security by combining two superior technologies that complement each other perfectly. End users can rely on many years of experience of both companies providing solutions in airport security. With the high level of user-friendliness, excellent overview and high degree of automation, the integrated solution also requires comparatively low personnel costs. Both manufacturers follow the “Privacy and Security by Design” principles set out in the GDPR and are NDAA-compliant, ensuring maximum security against cyber-threats and compliance towards existing and upcoming legal regulations.

“At a time when threats are constantly evolving, airside security is critical”, says Simon Mikuzis, Security Segment Leader of Navtech. “By combining our radar technology with Dallmeier’s advanced camera and software systems, we provide airport operators with a comprehensive solution that enables real-time threat analysis and management.”

“We are pleased to partner with Navtech to offer our airport customers an even more comprehensive security solution”, says Karlheinz Biersack, Business Development Director Airports of Dallmeier electronic. “The integration of Navtech’s radar technology into the Dallmeier Hemisphere® software suite and our camera world marks a significant step in the development of integrated security solutions for airports. It emphasises the commitment of both companies to ensuring effective aviation security.”

**Further information:**

* [Navtech](https://navtechradar.com/)
* [Dallmeier](https://www.dallmeier.com/)
* [Pre-registration for the webinar in September](https://share-eu1.hsforms.com/1DFD0R_kaRKur57IeXJS3Cwf9jgw)

**+++ CAPTIONS +++**

**Navtech AdvanceGuard**

Navtech AdvanceGuard provides full situational awareness for complex airside operations, such as runway incursions, foreign object debris (FOD) detection, and critical part (CP) line monitoring, in all weather and light conditions.

*Photo credits: Navtech*

**Integration Navtech-Hemisphere**

If intruders are detected by the Navtech radar system, it controls connected cameras. Operators can now use Hemisphere® to conduct visual verification of the event and track the intruded persons or objects.

*Photo credits: Dallmeier*

**Navtech-Dallmeier**

The integrated solution integrates Dallmeier PTZ cameras, but also supports third party camera systems.

*Photo credits: Dallmeier*

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# Dallmeier: Turn images into assets.

**With pioneering video technology from Germany.**

In 1984, Dieter Dallmeier founded what is now Dallmeier electronic – not in the proverbial garage, but in a garden shed in Regensburg, Germany. Today, the company, which can justifiably call itself a hidden champion for video information technology “Made in Germany”, has several hundred employees worldwide, more than 250 of them at the company headquarters in the centre of Regensburg alone.

**Our customers: From commercial enterprises to World Cup stadiums**

Dallmeier's camera, recording, software, and analysis solutions optimise security and processes for B2B end customers in a wide range of industries in over 60 countries. The focus is on users from the casino, smart city, airports, logistics, stadiums, and industrial sectors. But also, banks, critical infrastructure facilities as well as medium-sized companies from all sectors.

**Low total cost of ownership “Made in Germany”**

With pioneering innovations, Dallmeier has succeeded time and again in placing itself at the forefront of technology: From the world's first digital image storage system with motion analysis in 1992, the patented “multifocal sensor technology” Panomera® with its “Mountera®” mounting system, to the latest Domera® camera family, which allows up to 300 camera variants with only 18 components. These and many other innovations provide real, tangible customer benefits. And with a low Total Cost of Ownership (TCO) and a high Return on Investment (ROI) they can easily compete with systems produced and supplied from low-wage countries.

**Cybersecurity, data protection and ethical responsibility through maximum vertical integration**

With 100% “Made in Germany”, we also guarantee our customers the highest standards in data protection, cybersecurity, and ethical responsibility. With high quality and short supply chains, we also ensure – almost incidentally – sustainability and environmental protection. From our prestigious headquarters in the centre of Regensburg, Dallmeier not only carries out its own research and development but also the complete manufacturing process – from component to product to solution.

[www.dallmeier.com](http://www.dallmeier.com)

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