

Press Release

SysEleven and DFS Aviation Services bring air traffic control system to the sovereign cloud

- Memmingen Airport uses air traffic control system operated in the SysEleven cloud
- Hardware-, operating system-, and location-independent provision of radar-based air situation and electronic flight progress strips for air traffic controllers
- A role model for the public sector

[Essen, Berlin and Frankfurt / Germany, 13 May 2024] Memmingen Airport officially commissioned the PHOENIX WebInnovation air traffic control system, which is operated in the SysEleven cloud. It consists of a radar screen and electronic flight progress strips and was officially put into service by DFS Aviation Services (DAS). This is the first time that a sovereign cloud solution has been used for air traffic control (ATC) in the tower at a German commercial airport. At the same time, the previously paper-based flight progress strips were replaced by a modern, convenient electronic flight progress strip system. SysEleven is a wholly owned subsidiary of secunet and part of secunet cloud solutions.

SysEleven's secure and reliable Kubernetes and cloud infrastructure "MetaKube" is the basis for DAS' SaaS solution. The web-based PHOENIX WebInnovation air traffic control system enables the location-independent provision of an air traffic report for controllers and the creation of electronic flight progress strips. For the first time, operators become independent of hardware and operating systems and can thus simplify their IT infrastructure while using centralized maintenance concepts.

"SysEleven's sovereign cloud infrastructure, consisting of MetaKube and OpenStack Cloud, is a prime example of the new possibilities for



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technological development in highly regulated industries,” said Norbert Müller, Managing Director at SysEleven and Vice President Cloud Solutions at secunet. He added, “This project is a role model for numerous public sector projects and organizations with critical infrastructure that pay special attention to high availability, data security, and digital sovereignty.”

A milestone in the technological modernization of air traffic control

“The commissioning of our innovative cloud-based air traffic control system at Memmingen Airport is a milestone on the road to the technological modernization of air traffic control,” said Christian Dorge, the team leader for software development at DFS Aviation Services (DAS). “In the future, we plan to use PHOENIX WebInnovation to meet the high safety standards and operational requirements of air traffic control using cloud-native principles. Users will benefit from the new user interface and increased efficiency in the transition from a paper-based to a digital solution.”

Andreas Pöttsch, Managing Director of DAS, said: “We’re already opening up new markets and customer groups with our SaaS solution. Our existing customers, which include air traffic control and airports, emergency and rescue services, and research institutions, all benefit from clearly more flexible deployment scenarios and from access to important flight information in real time, regardless of location and device.”

Cloud-native solutions from SysEleven

SysEleven is one of the most experienced German experts for Managed Kubernetes. This makes it the ideal partner in IT modernization for the public sector and companies towards a reliable, modern, innovative, sovereign private and public cloud infrastructure. With “MetaKube’s” Kubernetes solutions, customers can implement scalable projects with full GDPR protection. The fair and transparent pricing structure contains no hidden costs and thus ensures a low total cost of ownership (TCO).



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Experienced cloud and Kubernetes experts advise on cloud-native adaptation, and SysEleven also offers its clients individual contract options and personal contacts.

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secunet – Protecting Digital Infrastructures

secunet is Germany's leading cybersecurity company. In an increasingly connected world, the company's combination of products and consulting assures resilient digital infrastructures and the utmost protection for data, applications and digital identities. secunet specialises in areas with unique security requirements – such as cloud, IIoT, eGovernment and eHealth. With security solutions from secunet, companies can maintain the highest security standards in digitisation projects and advance their digital transformation.

Over 1,000 experts strengthen the digital sovereignty of governments, businesses and society. secunet's customers include federal ministries, more than 20 DAX-listed corporations as well as other national and international organisations. The company was established in 1997, is listed at the German Stock Exchange and generated revenues of 393.7 million euros in 2023.

secunet is an IT security partner to the Federal Republic of Germany and a partner of the German Alliance for Cyber Security.

Further information can be found at www.secunet.com

About SysEleven

SysEleven GmbH serves more than 250 customers in the DACH market and employs over 150 people. As a cloud and Kubernetes managed service provider, SysEleven specializes in the operation of distributed and business-critical systems and the rapid scaling of workloads. As a wholly owned subsidiary of Germany's leading cybersecurity company secunet Security Networks AG, SysEleven supports organizations that want to complete their transformation to cloud native and value speed, flexibility, and autonomy. The service portfolio consists of comprehensive services – from concept consulting and Kubernetes training to fully managed operation. At the heart of the vertical technology stack is "MetaKube", a managed Kubernetes product that enables organizations to develop and operate web-based software applications. SysEleven has been a member of the Cloud Computing Native Foundation (CNCF) and a certified Kubernetes provider since 2018.

SysEleven places great importance on data protection and digital sovereignty. That's why all SysEleven's solutions are hosted exclusively in German data centers that are certified under ISO27001. Thus SysEleven enables customers and partners to comply with the General Data Protection Regulation (GDPR). Founded in 2007, SysEleven's range of services includes Managed Cloud Services, an OpenStack Public Cloud, Managed Kubernetes, and various network services. Its customers include DFS Aviation Services, FTAPI, smartsteuer, VHV Versicherungen, FarmFacts, medgate, Der Tagesspiegel, and Golem.de.

You can find out more at <https://www.sys eleven.de/en>.



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About DFS Aviation Services (DAS)

DFS Aviation Services GmbH (DAS) is a subsidiary of DFS Deutsche Flugsicherung GmbH and employs more than 350 people worldwide. As a certified air navigation service provider, DAS controls air traffic at German regional airports. DAS also distributes air traffic control-related products and services worldwide. Its customers include air navigation service providers, airports, airlines, and air traffic authorities all over the globe.

DAS is also responsible for traffic in Edinburgh through its subsidiary Air Navigation Solutions Ltd. (ANSL). Furthermore, DAS' subsidiary DFS Aviation Services Bahrain Co. WLL provides support in the Middle East in the areas of air navigation services and air traffic control technology. In Asia, DFS Aviation Services has an office in Singapore. In South America, DAS has a branch office in Lima. Through its joint venture with Frequentis AG in Vienna, Frequentis DFS Aerosense GmbH, DAS also distributes remote tower solutions worldwide.

Further information can be found at www.dfs-as.aero.

