

ERA surface monitoring system installed at Leipzig Airport has gone operational

Germany

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ERA announced having passed another milestone to meet the contract to deliver its NEO surface guidance system as part of A-SMGCS at the Leipzig/Halle international airport. The system has gone operational in Q2/2022 after the procedure of Site Acceptance Tests (SAT).

ERA was awarded the contract in 2019 and assigned by DFS, the German ANSP. The realization was slightly postponed due to the pandemic situation and the project has experienced a number of difficulties caused by the covid restrictions. ERA has installed a net of ground stations as a modern surface surveillance solution for the Leipzig airport control centre and supplied several SQUID squitter beacons as a vehicle tracking system to make the traffic in the airport area even safer.

The delivery of the Leipzig system is the last phase of a larger project to supply four German airports with multilateration technology. There are similar systems already in use in Dusseldorf, Stuttgart and Cologne. ERA delivered once more its NEO by ERA multi-sensor surveillance system (MSS) – the fourth generation of the certified composite solution of multilateration with ADS-B functionality. This multi-solution system (MLAT, WAM, PRM, HMU) has a robust system design, enhanced signal detection, reduced power consumption and is international standards compliant (ED-117A, ED 142, ED 129, ICAO Annex10 IV, etc.).

The airport will have the benefit of increased reliability of position data of all aircraft and mobiles thanks to the unique central time architecture of the ERA system. These kinds of multilateration systems have been delivered to major international airports (in fact 20 out of the 50 busiest worldwide), including Beijing, Kuala Lumpur, Jakarta, Auckland and Madrid. There are also several other ERA surface systems functioning at airports in Germany, apart from those listed above: Munich, Hamburg, Braunschweig, and Berlin