

ROHDE & SCHWARZ

Make ideas real



IMPROVED SITUATIONAL AWARENESS

HungaroControl selects ATC direction finding solution for increased air traffic safety and enhanced performance

AT A GLANCE

- ▶ HungaroControl selected CERTIUM® LOCATE for increased air traffic safety and enhanced performance of air traffic control in a crowded segment of European airspace
- ▶ The CERTIUM® LOCATE solution consists of seven R&S®DF-ATC-S direction finding systems in combination with a central location server that interfaces with the main ATM system



The customer

HungaroControl provides air navigation services in Hungarian airspace and in the upper airspace over Kosovo. The Hungarian air navigation services provider (ANSP) safely managed more than one million flights in 2019 and awarded Rohde & Schwarz a contract to provide the CERTIUM® LOCATE solution.

Customer requirements

HungaroControl is one of the leading ANSPs in Europe, driving the improvement of safety, efficiency, cost-effectiveness and environmental sustainability. To overcome the increasing demand in capacity, HungaroControl is constantly pushing the boundaries

with innovative solutions. Beyond their own research and development activities, HungaroControl carefully selects leading industry suppliers to improve their integrated ATM system.

For more information, visit
www.rohde-schwarz.com



CERTIUM®

- ▶ CERTIUM® is an advanced ATC communications suite that exceeds current safety, security and efficiency standards
- ▶ All CERTIUM® products seamlessly integrate into a single portfolio. Individual systems can be used independently, while combining them with other CERTIUM® products brings the greatest benefit

“Rohde & Schwarz ATC direction finders are a cost-effective way to provide valuable information during communications between pilot and controller for safe air traffic control.”

Barnabás Kis, Chief Technology Officer at HungaroControl



Rohde & Schwarz solution

CERTIUM® LOCATE automatically identifies calling aircraft on radar screens and thereby increases the ATC controller's situational awareness in a cost-effective way. The solution consists of seven Rohde & Schwarz direction finding systems with redundant IP connectivity in combination with a central location server that interfaces with the main ATM system for country-wide location (VHF ATC band) covering over 10 000 feet MSL.

Key features of CERTIUM® LOCATE

CERTIUM® LOCATE increases the ATC controller's situational awareness by clearly geo-referencing calling aircraft on the radar screen. The scalable location system meets the requirements of large airports and area control centers since it geolocates aircraft in airport areas and en route. The direction finders are installed on masts and housed in compact outdoor boxes, making direction finding results for all frequency channels available to the central location server for geolocating aircraft. If integrated in existing ATM systems, controllers can safely handle numerous flights even when traffic volume is high, and they will experience a dramatic reduction of psychological stress. This helps avoid confusion and saves precious seconds when controlling an ever more crowded airspace.