



At present, Helsinki-Vantaa Airport serves over 10 million passengers every year, and has been rated as one of the best airports in the world in the past four years.

er Reporter AW11 Systems manufactured by Vaisala on the basis of the special qualities, performance and functionalities provided for meteorological support necessary for the training and operations of the Air Force. The Air Force also appreciated the system concept and technology, being also compliant with the NATO requirements. The fully automatic Vaisala Aviation Reporter AW11 is a stand-alone weather observation and reporting system which measures all standard aviation weather parameters and generates accurate real-time weather reports. Standard measurements include sky condition (cloud layer height and coverage), visibility, air pressure, temperature, dew-point, and wind speed and direction. Precipitation occurrence and intensity measurements are also available. ●

TACMET Systems at National Day Parade

The Romanian Air Force units participated in the annual parade organized in Bucharest in celebration of Romanian National Day on December 1, 2001. Among other demonstrations, a formation of six "IAR Socat" - type helicopters executed a formation flight.

The Romanian Air Force chose Vaisala's Tactical Meteorological (TACMET) Observation System to support this popular event because of the ease of deployment, reliable performance and versatile measurements. The enhanced configuration offered accurate measurements of weather parameters, such as cloud base, visibility and wind, which were crucial to support the helicopters participating in the parade. ●

New runway for larger capacity Vaisala Equips Helsinki-Vantaa Airport with Automated Weather Observing System

Vaisala has signed a contract with the Civil Aviation Administration of Finland to deliver a MIDAS IV Automated Weather Observing System (AWOS) to Helsinki-Vantaa Airport. Under the terms of the contract, Vaisala will deliver an Automated Weather Observing System and associated meteorological sensors to the new runway of the airport. The system will be installed in summer 2002, and the new runway is scheduled to open in November 2002.

The Vaisala MIDAS IV Airport Weather Observing System (AWOS) will gather meteorological data from sensors installed along Helsinki-Vantaa Airport's existing two runways, as well as from the Vaisala meteorological sensors that are included in the deal to be delivered for the new third runway.

Meteorological sensors for the new third runway

Vaisala sensors for measuring meteorological parameters, Runway Visual Range and cloud height will be installed along the new runway. For ice warnings and predictions, Vaisala will also deliver three ROSA Runway Weather Stations, maintenance information from which will be shown on displays incorporated in the MIDAS IV AWOS. An integrated management system is included in the deal that will

handle weather data from runways 1 and 2. Vaisala is the prime contractor supplying the aviation weather system to Helsinki-Vantaa Airport's Runway 3 project.

Leading the way

This deal marks a significant first for Vaisala. The Vaisala MIDAS IV AWOS, which will totally replace Helsinki-Vantaa's current, self-designed AWOS, will be installed in summer 2002 in preparation for the new runway's inauguration, and will gather and integrate meteorological data from all 3 runways. Furthermore, Vaisala will act as the main weather observation contractor, incorporating an ATIS/VOLMET system provided by Terma A/S, a leading Danish contractor, and control tower displays provided by FREQUENTIS Nachrichtentechnik GmbH of Austria, headquartered in Vienna.

New runway increases capacity at Helsinki-Vantaa Airport

Construction of the new runway (runway 3) at Helsinki-Vantaa Airport is one of the major recent airport developments in Europe. Scheduled for inauguration in November 2002, runway 3 will be used as the main runway for takeoffs, allowing some 40% increase in operations capacity over the current two-runway system. ●