SYSTEMS INTERFACE to deliver integrated meteorological system to Aéroport de Beyla (Beyla Airport) in Guinea

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Systems Interface Ltd has signed a contract to design, deliver, install, and commission an Automated Weather Observing System (AWOS) at Aéroport de Beyla (Beyla Airport) in south-eastern Guinea. The project includes the provision of all related services and features key equipment supplied by Systems Interface's delivery partner, Campbell Scientific.

The delivered solution will provide 2 weather stations located near the runway touchdown zones. The AWOS system comprises of sensors to accurately measure meteorological factors including wind, pressure, temperature, humidity, cloud height and rainfall. Present weather is measured by infra-red sensors that measures precipitation and visibility by accurately determining the size and velocity of water droplets in the air.

The weather stations are connected to the tower where dual redundant server systems deliver the key data to two operator positions and an engineering location that also continuously monitors the health of the whole system.

An Automatic Terminal Information Service (ATIS) is integrated into the solution. The ATIS broadcasts key information to aircraft, via synthesised voice, these messages are automatically transferred from the AWOS system utilising a Voice Over IP (VoIP) audio interface.

"The automated weather system deployed at Beyla airport will deliver accurate, dependable and real-time critical weather data, allowing timely and informed decisions to be made by the airspace users", commented David Chandler, Sales and Business Development Director at Systems Interface.

About Beyla Airport (ICAO: GUBE)
Beyla Airport is located in Nzerekore, Guinea (9 km / 5.6 miles west of Beyla) at the foot of the Simandou mountain range. Beyla Airport is undergoing significant expansion to cater for increased traffic due to major mining developments in the region.

About Systems Interface | Member of the Frequentis Group

Systems Interface is UK based Global Air Traffic Management (ATM) systems integrator providing full Air Traffic Management (ATM) capabilities encompassing the delivery of turnkey solutions in the domains of navigation, ATC towers, communication, surveillance, meteorology, solar airfield lighting and technical design consultancy.

Systems Interface, based in Bordon, Hampshire, is a member of the Frequentis group, headquartered in Vienna. In 2024, Systems Interface were awarded the prestigious Kings Award for Enterprise in the International Trade category.

Systems Interface has an established reputation for delivering Total Airport Solutions to the highest quality standards with an unwavering commitment to excellence and customer satisfaction.

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