# NEO

## for Aviation | Hydrometeorology

Delivering reliable weather information in real time, with forecasts and decision support

- Have access to an increasing amount of security data and information.
- Anticipate severe weather conditions (icing, turbulences, strong winds, storms, ashes, etc.).
- Provide to end users flight folders compliant with ICAO standards.
- Generate customised forecast products based on weather data (observations, NWPs, derived parameters).
- Receive, produce, and disseminate CAP alert messages.

# Solution

## for Aviation | Hydrometeorology

Measurements to Insights™

### Climate Data Collection

- Data acquisition from various sources (AWS and AWOS, satellite data, WAFCs data, NWPs, and global models)
- Real-time data collection (GPRS, GSM, IP, API, satellite)

### Manual and Automatic Production

- Data ingestion
- Data display, overlay, and manipulation
- Ability to display/print all aviation data and products
- Advanced data visualisation and production for forecasters
- Data distribution

### Insight and Sharing

- Real-time station monitoring
- Weather forecasting tool
- Customisable dashboards based on weather data
- Met briefing and flight folders for pilots

Our aviation hydrometeorology solution within the NEO platform aims to anticipate weather conditions to secure air navigation; make forecasts; and protect populations, assets, and infrastructure.

### Aviation | Hydrometeorology Projects:

- Maldives Department of Meteorology – Maldives Airports Company
- Jordan Meteorology Department – The Hashemite Kingdom of Jordan