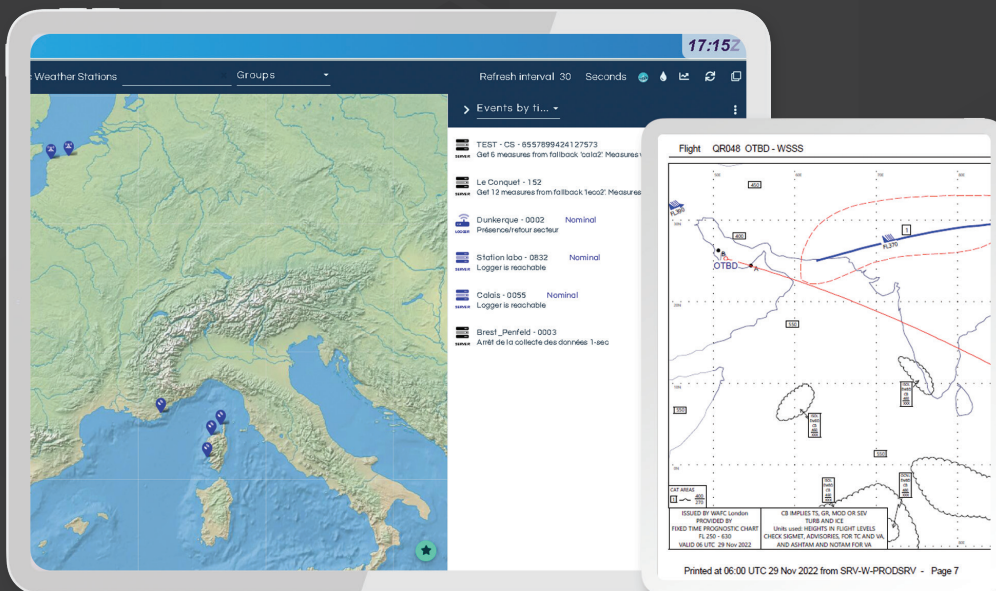




MESSIR-NEO

All-in-One Solution
Hydromet – Aviation – Energy



A tool to collect, process, visualize, and analyze a wide range of weather data

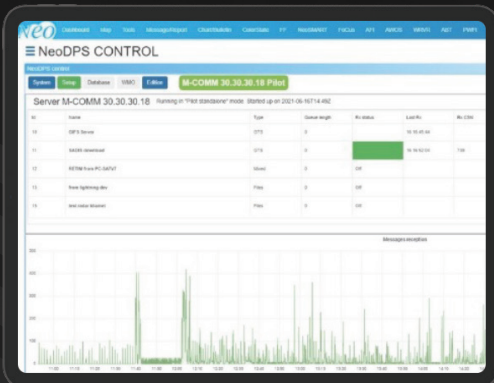
Produce and disseminate insight, early warning, and decision support through a modular, web-based platform with clustering technology that can integrate third-party modules.

NEO

Modernizes complex systems with a single solution

Reduces costs and optimizes the use of your data for all needs

NEO Modules

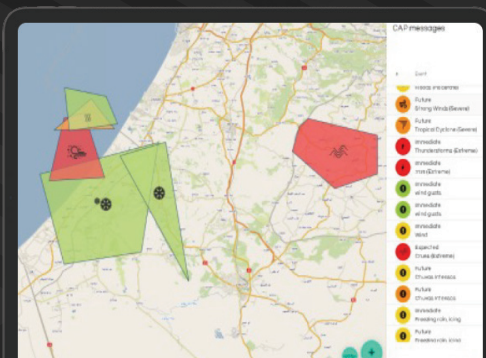


NeoDPS Data ingestion and exchange/switching

Centralized Data Ingestion: Monitoring and metrics, PostgreSQL and MongoDB

Data Exchange and Sharing: GTS, SFTP, HTTPS, Socket, SMS, email, API, WIS, AFTN, AMHS, file system

QA/QC: WMO and ICAO compliance

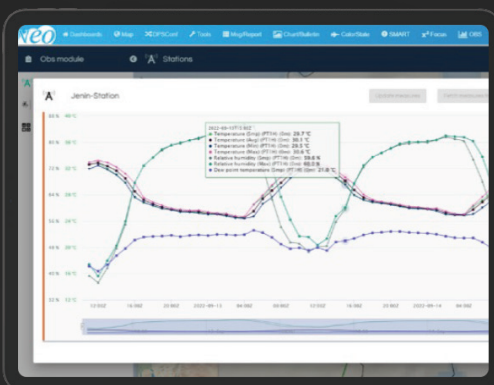


NeoVUE Visualization of all ingested data

MAP: GIS and grid data, overlays and animation, observations and forecasts

Warnings and Alerts: Common Alerting Protocol (CAP), severe conditions warnings, observation network threshold alert/event

Aviation: SIGMET, AIRMET, SPECI, tropical cyclones, volcanic ash, windshear

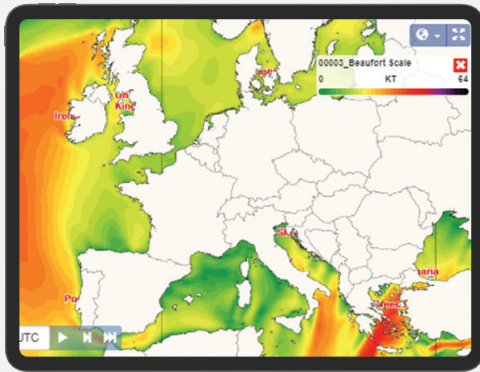


NeOBS Stations and asset management

Stations Data Display: Real-time data, statistical data, comparison with forecast

Thresholds and Events: User-defined thresholds, hardware monitoring, alarms from sensors

Asset Management: Station metadata, hardware inventory, maintenance schedule

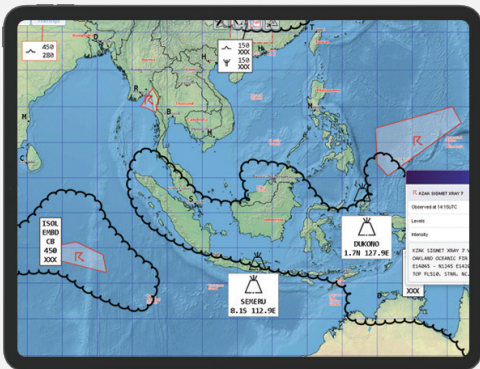


NeoAWI Aviation Weather Insight

OPMET Management: OPMET data collection, visualization and overlays, ICAO compliance

Production: Aviation forecast production, cross sections and vertical profiles, SIGMET edition

Insights: Met briefing for pilots, AWOS visualization



NeoWFS Weather Forecasting Solution

Production: Messages, charts, and bulletins; automatic chart generation; map forecast drawing tool; warnings and alerts

Points-Based Charts: Temporal cross section, vertical profiles

Dashboards for Public: Customizable dashboards, shareable ingested data, dashboard animation

NEO Operational Modules

NeoADMIN Configuration and customization



UX customization

- Menu, icons, and layout
- Palettes and color codes
- UI and map structure



Authentication and RBAC

- LDAP and AD authorization
- Users, groups, and profiles
- Data multi-tenancy



Ecosystem

- API for all centralized data
- Third-party modules
- Third-party apps

NeoSTREAM Build your own module



Your own customization

Framework/toolbox allowing partners to add new modules and apps to NEO platform



Continuous integration

Take advantage of all our continuous integration, automatic tests, security scans, deployment, and authentication.



Extended capabilities

Integrating your custom modules, documents, and data

End-to-End Solution

Measurement to Insight



Data Collection

- Data sources from all over the world
- Interoperable solution with existing systems



Processing, Display, and Dispatch

- Unique, fully web-based, and modular interface



Application

- Easy operation and maintenance
- Real-time station management
- Weather-data forecasting tool
- Warnings and alerts for extreme events

NEO for safe and resilient societies



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