AI - POWERED

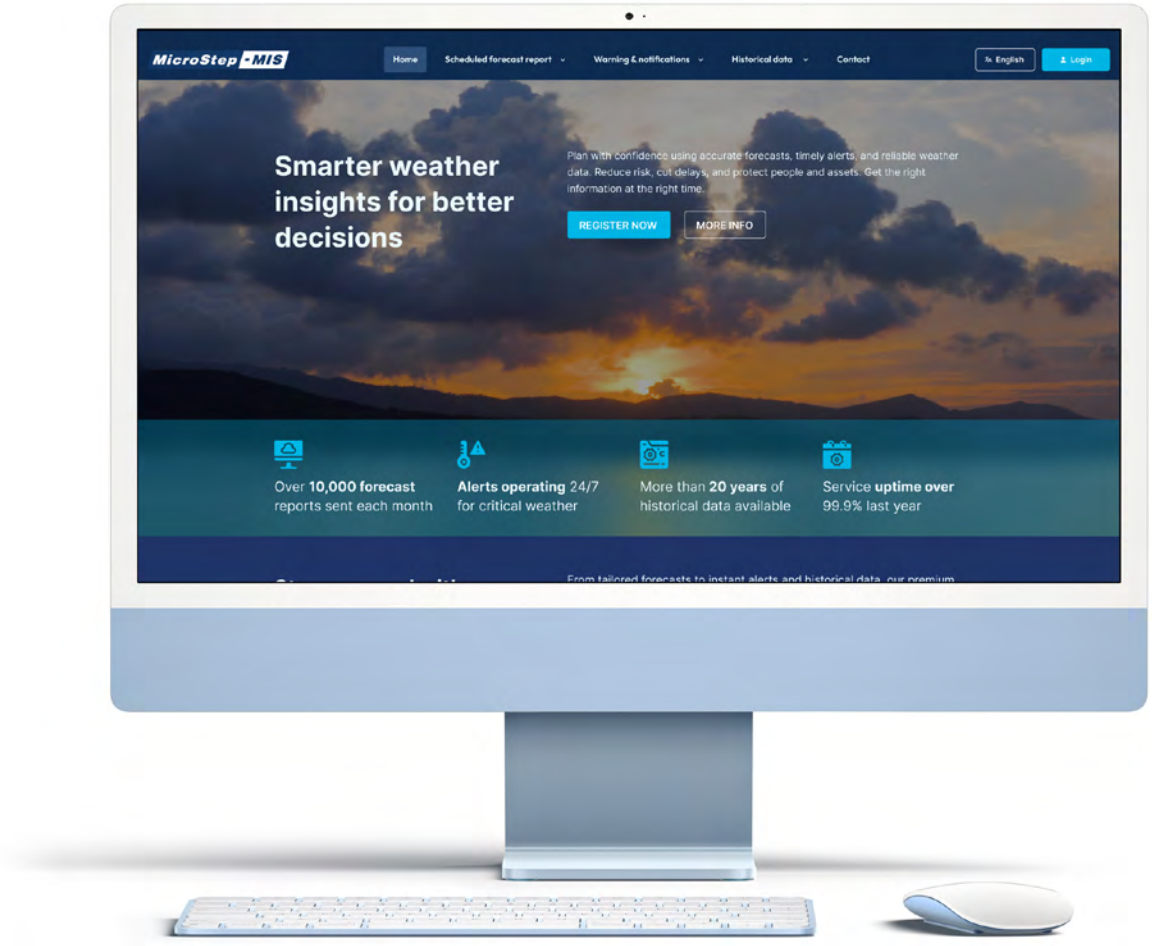
Premium Services Portal

Commercialize Weather Data, Custom Forecasts & Other Weather Products



MicroStep-MIS

A Premium Services Platform for NHMS



MicroStep -MIS

Turn Weather Products into Self-sustaining Economic Model

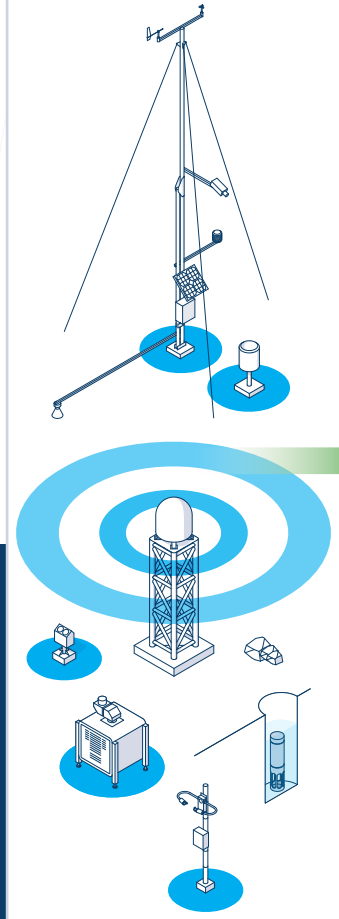


A customizable Premium Services Portal that connects National Meteorological and Hydrological Services (NMHS) expertise and products with Business & Research needs.

Supporting public–private engagement, smarter decisions and a more resilient economy.

From National Data to Market Services

NATIONAL WEATHER DATA



CENTRAL DATA AND POSTPROCESSING

Real-time Data Acquisition, Auditability, Automated QC/QA, Transparent Billing, Custom Reporting, Supplier Management, Maintenance and Metadata Management



WEBSITE AND MOBILE APP

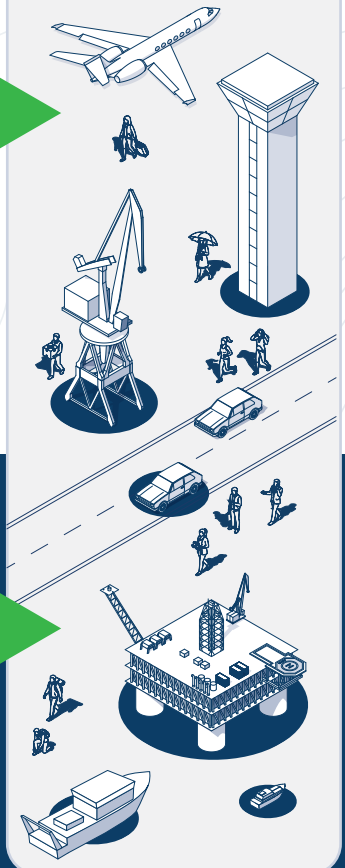


PREMIUM PORTAL



INDUSTRY AND PUBLIC

Tourism, Construction, Transport, Insurance, Agriculture, Energy, Education



Core Premium Commercialized Services

Powerful services, delivered through one platform.

Proprietary Mobile Application for Recipients

Smooth reception of the Premium Services Warnings and Bulletins with recipient confirmation.

Premium Services Main Features

- Invoicing support
- Usage analytics
- Role-based access
- Audit logs

01 | Scheduled Forecast Reports

Plan operations with confidence. Precision forecasts, tailored to exact location, schedule, and customer operations.

02 | Custom Warnings and Notifications

Act before the weather hits. Real-time, location-specific weather alerts based on user-defined (or AI-assisted) thresholds.

03 | Weather Verification Reports

Review claims and disputes. Certified reports for claims investigations and disputes.

04 | Historical Data Sale

Trusted data for analysis. Trusted station data in selectable frequency and periods for Business and Research.

Proprietary Mobile Application

Smooth reception of the Premium Services Warnings and Bulletins

Your direct link to mission-critical weather intelligence. Real-time alerts, clear guidance and easy acknowledgment - **all in the palm of your hand.**

RECEIVE

Notifications, warnings, instructions and forecasts, delivered as they are issued.

VIEW

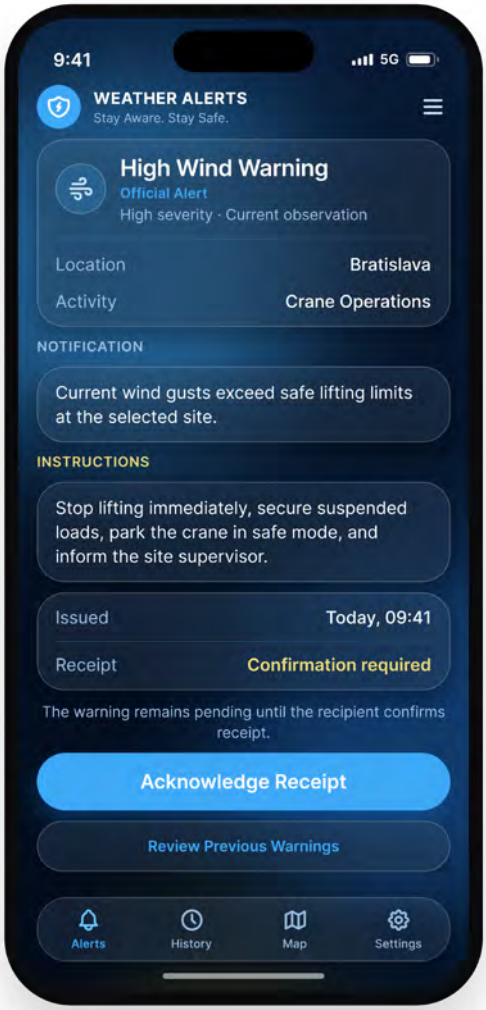
A clear, concise and easy-to-navigate interface, built for reading in the field.

ACKNOWLEDGE

One tap confirms receipt, giving management control and a record for follow-up.

PERFORM

Clear instructions for safe and effective operations on site.



Scheduled AI-Powered Forecast Reports

01

Weather Intelligence tailored to your activity

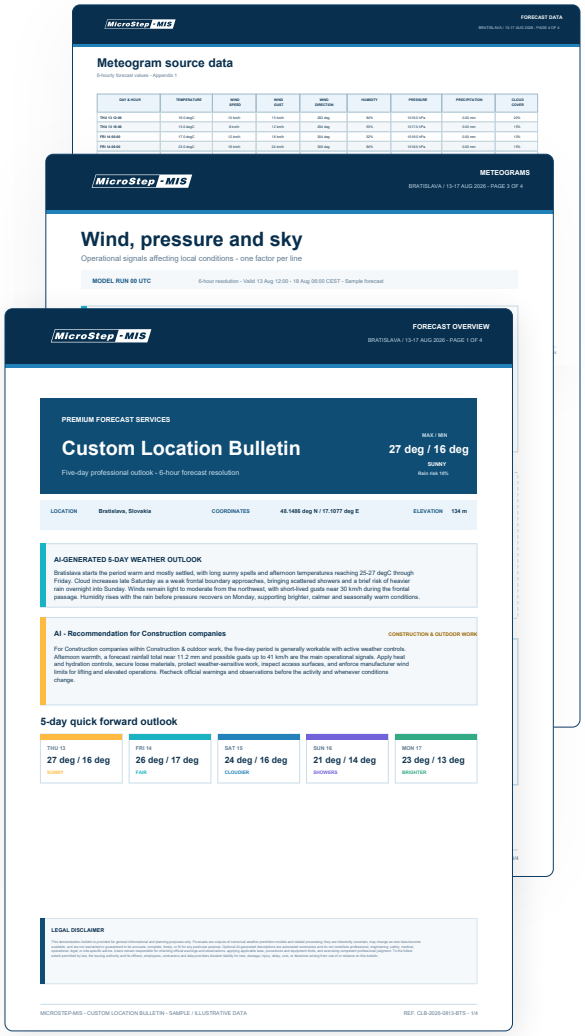
Precision forecasts tailored to a specific location, schedule and activity - sent to you and your recipients at a pre-set time, every day.

Plan Your Activity

Tailored AI-assisted weather impacts and recommendations for your operation.

Understand the Weather

A clear AI-assisted description of the five-day forecast.



AI recommendation examples by sector

Tourism & Leisure › Desert Safari

AI recommendation: Morning conditions are favorable. Avoid peak afternoon heat and monitor strong winds, blowing dust, reduced visibility and flash-flood alerts before departure.

Construction › Crane Operations

AI recommendation: Morning lifting is workable. Monitor afternoon gusts and suspend exposed lifting at approved wind limits.

AI-Assisted Custom Warnings & Notifications

02

Act before the weather hits

Real-time, location-specific weather alerts based on user-defined or AI-assisted thresholds.

- **ACTION-ORIENTED**
- **LOCATION-SPECIFIC**
- **AI-POWERED**
- **INDUSTRY-READY**

Example: Construction/Tower Crane Operations

I am operating a tower crane on a high-rise construction site.
Suggest impact-warning parameters for safe lifting operations. The same trigger thresholds should apply to current observations and forecasts, but the app messages should change according to the forecast lead time.

Suggested Thresholds & Warnings

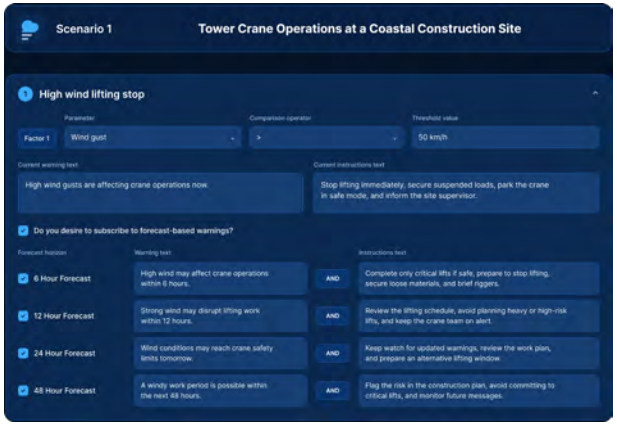
Parameter 1 — High wind lifting stop

Shared trigger condition for current observations and forecasts

- Wind gust ≥ 50 km/h at the selected site or within the site safety buffer

Notification messages by period

Period	Warning text for app	Instruction text for recipient
Current	High wind gusts are affecting crane operations now.	Stop lifting immediately, secure suspended loads, park the crane in safe mode, and inform the site supervisor.
6h forecast	High wind may affect crane operations within 6 hours.	Complete only critical lifts if safe, prepare to stop lifting, secure loose materials, and brief riggers.
12h forecast	Strong wind may disrupt lifting work within 12 hours.	Review the lifting schedule, avoid planning heavy or high-risk lifts, and keep the crane team on alert.
24h forecast	Wind conditions may reach crane safety limits tomorrow.	Keep watch for updated warnings, review the work plan, and prepare an alternative lifting window.
48h forecast	A windy work period is possible within the next 48 hours.	Flag the risk in the construction plan, avoid committing to critical lifts, and monitor future messages.



AI-Powered Weather Verification Reports

03

Certified weather intelligence for fact-based decisions.

Investigate whether weather conditions may have contributed to a specific event — supported by AI analysis and validated by a certified meteorologist.

Describe Event

Enter the location, investigation period and event details.

Assess Weather Influence

AI examines the observed weather and suggests the likelihood of a weather contribution.

Receive Expert Verification

A certified meteorologist reviews the evidence and issues the professional report.



Evidence you can understand

- Expert analysis
- Weather data tables
- Meteograms

Where it is used

- Insurance claims
- Operational reviews
- Accident investigations
- Legal cases

CORE PREMIUM COMMERCIALIZED SERVICES

Historical Data Sale

04

Turn trusted weather history into smarter decisions.

Access official, quality-controlled historical weather-station data directly from the National Meteorological Institute — quickly, securely and on demand.

Just a few steps to quality data

Choose
Location, weather parameters, date range and preferred frequency.

See
Available data within your selected parameters.

Pay
Securely by card.

Receive
Your dataset promptly.

Analyze
The data for effective decision-making and business planning.

STATION DATASET SUMMARY

Weather Station: Central Observatory **Elevation:** 286 m

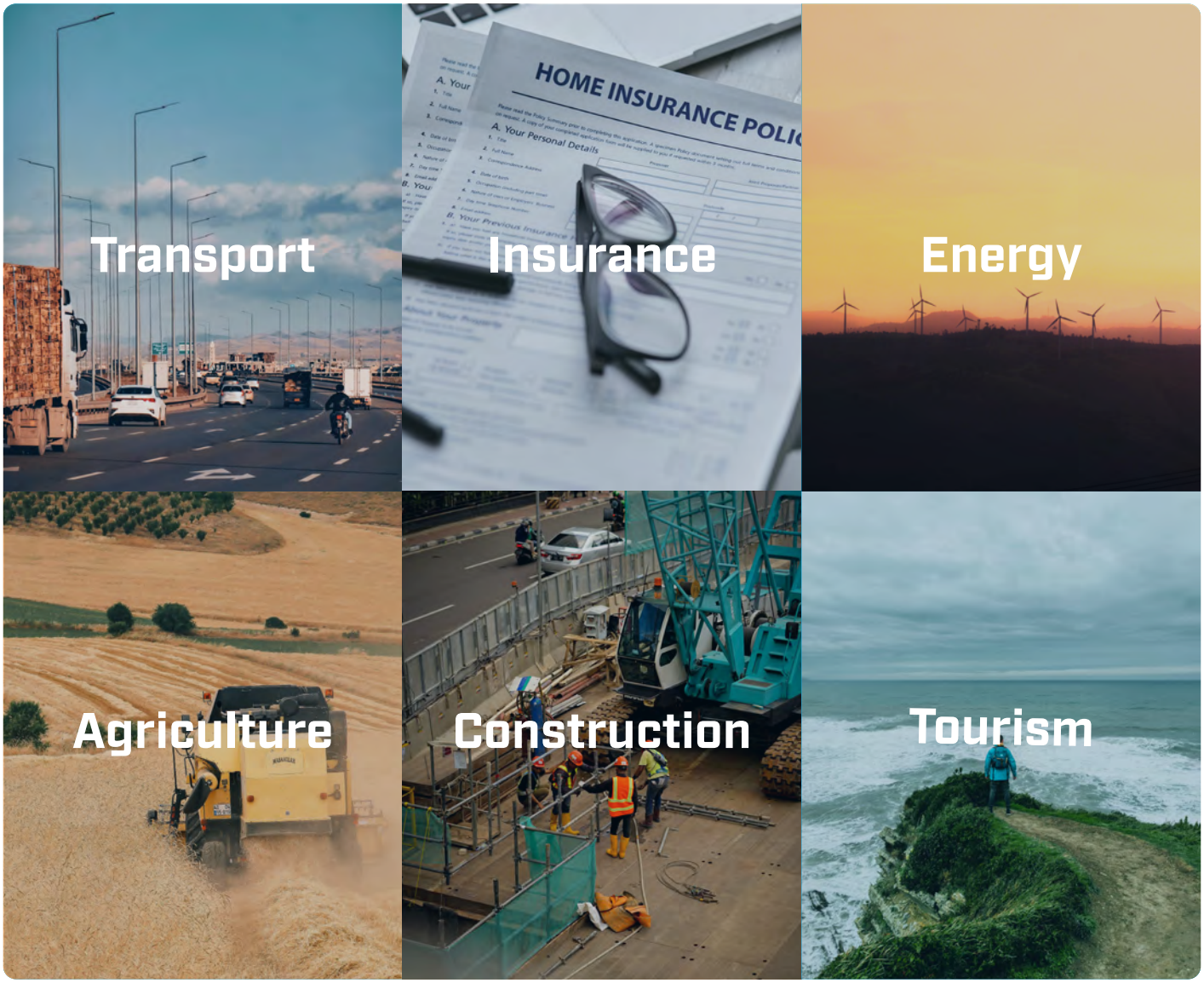
Date/Time (UTC)	Temperature (°C)	Humidity (%)	Wind Speed (m/s)	Precipitation (mm)	Pressure (hPa)
2026-06-01 00:00	16.4	82	3.1	0.0	1016.2
2026-06-01 01:00	16.1	83	2.8	0.0	1016.0
2026-06-01 02:00	15.8	84	2.6	0.0	1015.8
2026-06-01 03:00	15.6	85	2.3	0.0	1015.7
2026-06-01 04:00	15.4	86	2.1	0.0	1015.6

DELIVERED DATASET

Weather Station: Valley Station **Elevation:** 120 m

Date/Time (UTC)	Temperature (°C)	Humidity (%)	Wind Speed (m/s)	Precipitation (mm)	Pressure (hPa)
2026-07-15 00:00	22.7	68	1.7	0.0	1012.3
2026-07-15 01:00	22.3	69	1.5	0.0	1012.1
2026-07-15 02:00	21.9	70	1.3	0.0	1011.9
2026-07-15 03:00	21.5	71	1.2	0.0	1011.8
2026-07-15 04:00	21.2	72	1.1	0.0	1011.6
2026-07-15 05:00	20.8	72	1.0	0.0	1011.5

Built for Weather-Sensitive Sectors



Strategic Outcomes for Meteorological Institutions

Digital Transformation of Public Services
Delivering weather services through modern digital channels.

Climate Resilience and Disaster Risk Reduction
Turning climate intelligence into safer decisions.

Revenue Diversification
Creating new value from trusted weather services.

Public-Private Engagement
Connecting public missions with private-sector needs.

Community Service
Making national weather services more accessible.

Economic Resilience
Helping industries reduce weather-related disruption.


Plan with Confidence and Make Weather Part of Your Business Strategy.
Let's chat about it...

Contact us to learn more

Contribute to economic growth by introducing your historical weather data & services into society and the commercial marketplace.

MicroStep-MIS www.microstep-mis.com info@microstep-mis.com