

# Vaisala Xweather

First to know.

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Executive Vice President,  
Xweather  
24/11/2025

Weather data and intelligence

VAISALA  
**Xweather**



Every company has a why

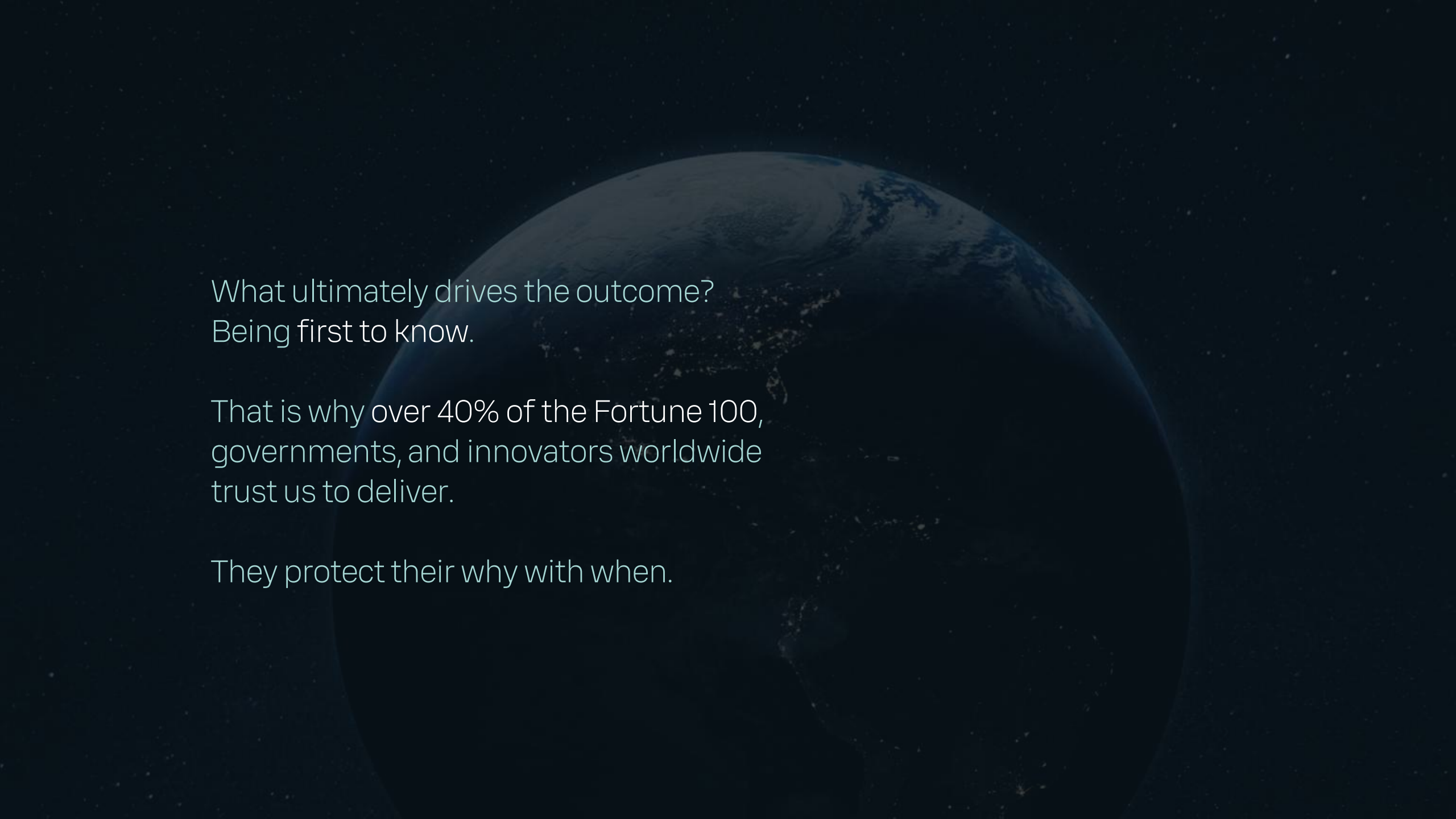




# Our why is when

Weather isn't small talk.

It's risk and opportunity. It's the difference between protecting assets or losing them. The difference between disruption and resilience. Between reacting too late and leading with confidence. It's business critical.



What ultimately drives the outcome?  
Being first to know.

That is why over 40% of the Fortune 100,  
governments, and innovators worldwide  
trust us to deliver.

They protect their why with when.



First to know.

# Opportunity to grow in 2bn market

TRANSPORTATION &  
LOGISTICS

ENERGY & UTILITIES

FINANCE & INSURANCE

SEVERE WEATHER MONITORING

API AND HISTORICAL WEATHER DATA



NETFLIX

ebay



+ 2000 SUBSCRIPTION  
CUSTOMERS



# Undisputed weather intelligence



## Road weather for automotive

20 global automotive OEMs use our road condition weather data. Available with probabilities to maximize AD and ADAS in Europe, Northern America, Japan.



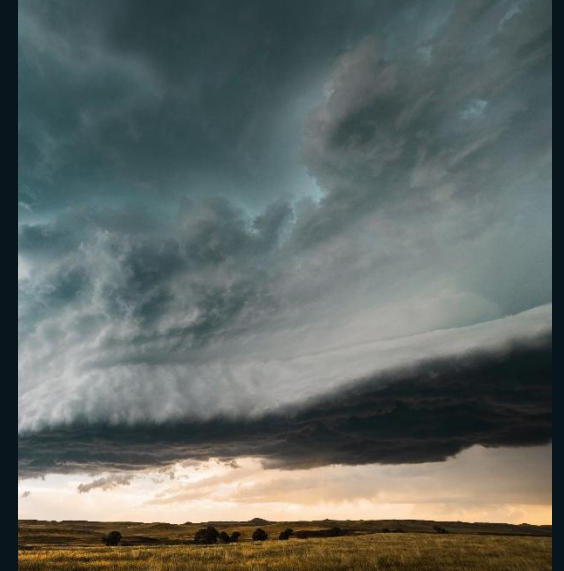
## Global real-time lightning data

Most complete global lightning data. Real time strike classification and strike location probabilities, with an 84-meter median accuracy.



## Weather and energy trading

Weather intelligence for predicting market changes and limiting weather risk exposure. Forecasts, indices, and model intelligence.



## Weather forecasts in Europe & North America

Accurate insights to support diverse customer needs and workflows empowering better business, mission, and operations decision-making.

# Growing recurring revenue through data and solutions as a service.

50%

DaaS

+60%

North America

Double digit

growth in 2022, 2023, 2024 and 2025

+100

Net revenue retention

50%

SaaS

+30%

Europe

2023 FY subscription net sales 32.5M€

2024 FY subscription net sales 39.0M€

2025 Q1-Q3 subscription net sales 42.9M€

+95%

of revenue is recurring



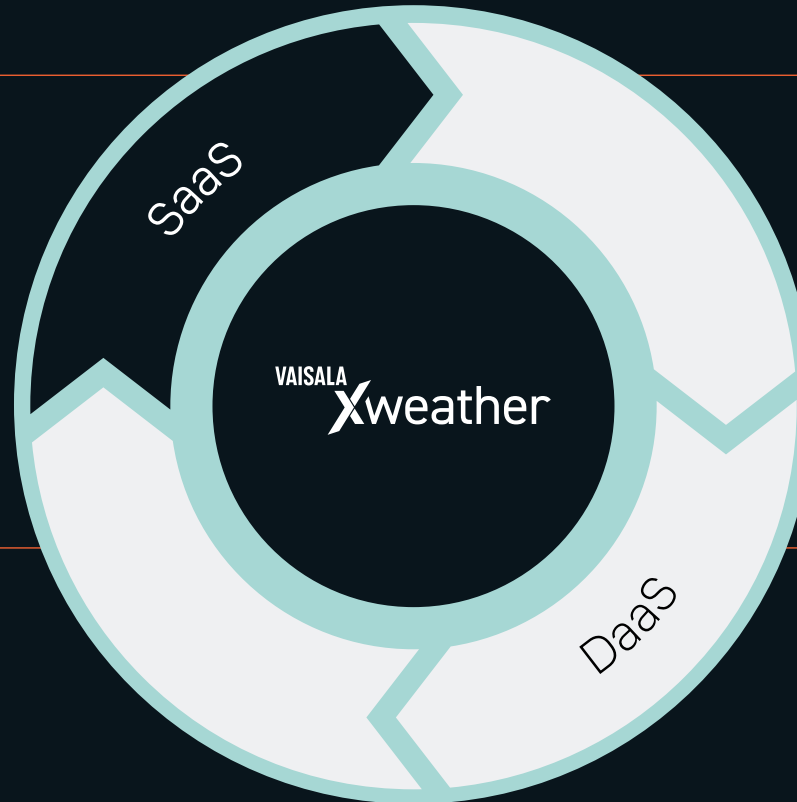
# A self-reinforcing flywheel

## 1. Comprehensive SaaS platform

Vaisala delivers an **integrated SaaS solution** consisting of data, forecasts, analytics and instruments.

## 4. Accelerated SaaS adoption

A richer, **more comprehensive data set** improves **SaaS platform**, attracting more customers and encouraging further adoption.



## 2. Integrated HW deployment

Bundled hardware (Xcast sensors) enables increased measurement and forecasting accuracy for the customer and **feeds Xweather data set**.

## 3. Strengthened DaaS

Each new hardware installation increases the **volume, diversity, and quality of Xweather data set**.

THIS IS VAISALA XWEATHER

# Differentiation through instruments and intelligence

We build the world's most adaptive AI-powered forecast and detection systems. Grounded in Xcast sensors, refined by science, and optimized for real decisions.



Rule-based models



Feature-based models



Transformers & generative AI



Machine learning models



Deep learning models

Better data, better forecasts, right on time.

# Our team

We are builders, explainers,  
and translators of weather  
intelligence.

We don't forecast weather.  
We forecast possibility.







VAISALA  
**X**weather

First to know.

 Good evening, John

What d



Sonnet 4 ▾



J What does the forecast look like for next week's F1 grand prix in Singapore and how does it compare to typical circuit temperatures in the past 3 races held there? Give a visual temperature based lap-time adjustment based on the deviation from past conditions.

I'll help you analyze the weat





- Xweather get weather forecast
- Xweather get weather forecast
- Xweather get weather forecast

Great! Now let me get historical temperature data for the past 3 Singapore GPs. The Singapore GP typically occurs in late September or early October, so I'll check the historical dates and temperatures.

Singapore F1 Grand Prix 2024 2023 2022 dates temperature weather 10 results

Now let me get the specific historical temperature data for the past Singapore GPs. Based on my research, I can see that:

- 2024: September 22 (race day temperatures around 29-31°C)
- Let me get the exact dates and temperatures for 2023 and 2022.

Singapore Grand Prix 2023 2022 dates September October race day temperature we... 10 results

Now let me get historical daily temperature data for the specific dates of the past Singapore GPs to calculate precise deviations:

Xweather get daily weather summaries

Xweather get daily weather summaries

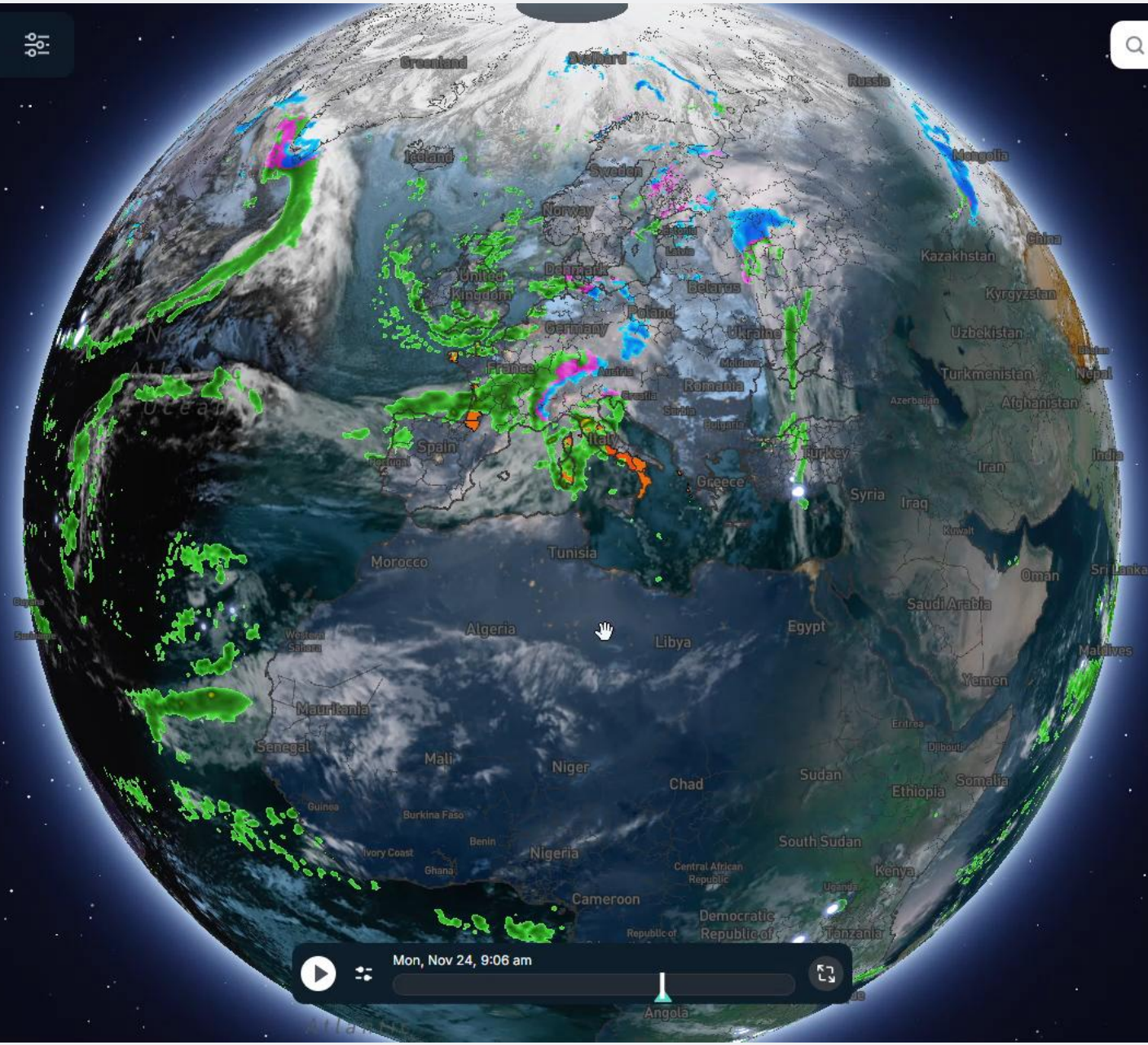
Xweather get daily weather summaries

Response

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```

Perfect! Now I have all the data I need. Let me create a comprehensive analysis and visualization showing the forecast compared to historical conditions and their potential impact on lap times.

Drafting artifact...



- Radar
- Satellite
- Severe Alerts
- Wind Particles
- Lightning
- Lightning Threats
- Lightning Strikes Pulse
- Hail Threats
- Storm Cells
- Storm Reports
- Convective



● 6 Real-time ● 6 Forecast alerts at 10 locations ▾



MAP LAYERS

Severe weather

☒ Lightning alert rings

☐ Clear ☐ Info ☐ Warning ☐ Alarm

☒ Lightning event time min

-60-50-40-30-20-100

☒ Lightning forecast min

0102030405060

☐ Hail forecast min

☐ Other extreme phenomena

☐ Governmental alerts and advisories

General weather

Wind

Air quality

Road weather

☒ Road weather summary

BADFAIRGOOD

☐ Temperature

Climatology

+9.423, -79.320

100 km

Last 4 hours

☐ ▶

03:1503:3003:4504:0004:1504:3004:4505:0005:1505:3005:4506:0006:1506:3006:4507:00

+ - 🔍 🗑️ 📏

Map layers

NOW 🔒 1x

07:14



## Optimize Your PPA Strategy with Powerup

Powerup provides the tools to address these challenges and confidently secure and manage PPAs.



Model PPA Scenarios – Add individual wind or solar farms to simulate generation and price outcomes, helping you

### Latest Powerup News

[REFRESH](#)

#### Free Downloadable Samples of Speedwell National Indices

1 months ago

October 24, 2025

Free downloadable samples of Speedwell National Indices are now available on our website. These samples provide a glimpse into the comprehensive data and insights offered by our indices, helping you make informed decisions in the energy market.

#### PPA Pricer

2 months ago

September 01, 2025

The single farm Fixed Revenue Estimator has been extensively improved with

### Latest Renewable Energy News

[REFRESH](#)

Unable to load news at this time.

[TRY AGAIN](#)

FI\_Finland main roads

All regions

24.11.2025 9:21



24h

72h

9:21 UTC+2



Alerts



User

7 weather events

% of network impacted



High  
100 %



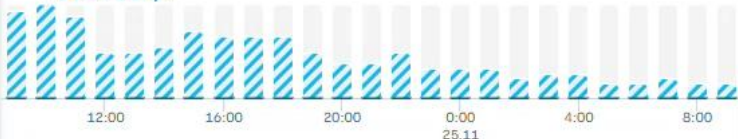
Low  
51 %



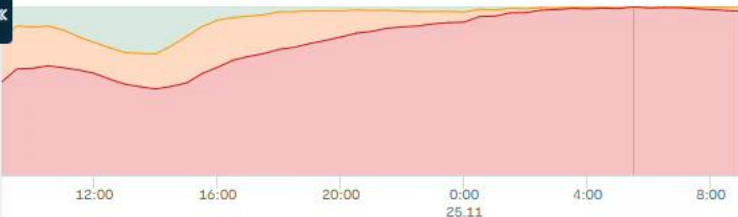
Hourly min. and max. precipitation

Snow Rain

Snow 1.8 cm/h



Weather events



Ice



High

From  
15.10.2025 22:30  
To  
72+ hours from now

Duration  
More than 1019 h  
Min. Surface  
temperature  
-15.3 °C

Max. impact  
17.10.2025 10:00  
Network  
100 % / 15086 km

Snow



High

From  
30.10.2025 2:40  
To  
72+ hours from now

Duration  
More than 678 h  
Max. Snow on surface  
24.60 cm

Max. impact  
22.11.2025 12:20  
Network  
100 % / 15074 km

Min. surface  
temperature

-31.7 °C

24.11.2025 16:00

Next crossing 0 °C

Surface temperature  
stays below 0 °C

Min. grip



24.11.2025 9:00

Max. impact on 25.11.2025 5:30



Overview

Hourly summary

Ankara talvisää: lunta, jättä ja erittäin huono kitka

Merkittävää lumisadetta odotetaan, erityisesti Pohjois-Pohjanmaalla jopa 13,8 cm. Samaan aikaan Uusimaalla ja Kymenlaaksossa sade tulee vetenä, jopa 7,6 mm. Tienpintälämpötilat laskevat selvästi pakkasen puolelle, alhaisimmillaan -31,7°C kello 16:00. Jäisiä olosuhteita odotetaan laajasti. Kitka heikkenee merkittävästi, alhaisimmillaan 0,1 kello 08:40. Pilvipteite pysyy tiheänä koko vuorokauden ajan. Tuuli lounaasta, voimakkuudeltaan 6 m/s. Ennuste perustuu 24.11.2025 kello 09:00 annettuun tietoon.

The forecast text is generated by AI

Weather events on routes

See all routes

High Low OK

