

COMPANY PROFILE

Climate Intelligence
for Critical Decisions





Climate Intelligence for Critical Decisions

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Dear Esteemed Clients and Partners,

Climate change is no longer a future risk. For organizations operating in weather-sensitive sectors, climate volatility is now a direct variable impacting day-to-day business performance and operational safety.

In this context, the market challenge is no longer a lack of data or conventional forecasts. What operators truly need is the ability to transform raw data into actionable insights—empowering businesses to make precise, timely decisions during critical, high-pressure operational situations.

WeatherPlus was founded to address this exact challenge. As a pioneer in the ClimateTech sector in Vietnam, our mission is to leverage technology to transform weather and climate data into economic value and community safety. From hydropower reservoir management, oil and gas, and aviation to digital agriculture, WeatherPlus focuses on building specialized solutions that directly address the practical challenges of each industry.

We are committed to a long-term partnership with our clients and partners on the journey to proactively mitigate risks and optimize operational capacity amid growing climate uncertainties.

Sincerely,

TO DUC HAI
Chairman & CEO, WeatherPlus



WeatherPlus Overview

ClimateTech

WeatherPlus is a pioneer in the ClimateTech sector, delivering a comprehensive Climate Intelligence platform. We partner with enterprises across weather-sensitive sectors—including energy, oil and gas, aviation, and agriculture—to empower precise operational decision-making and mitigate risks driven by climate change.

Real-world operational challenges

As extreme weather events intensify, operational decision-making grows increasingly complex, demanding rapid responses to escalating risks. However, **today’s challenge is not a scarcity of data, but rather its fragmentation, making it difficult to convert into concrete action.** While many organizations have access to conventional forecasts, isolated weather bulletins fail to answer the critical question: "Given these conditions, how should our business respond?"

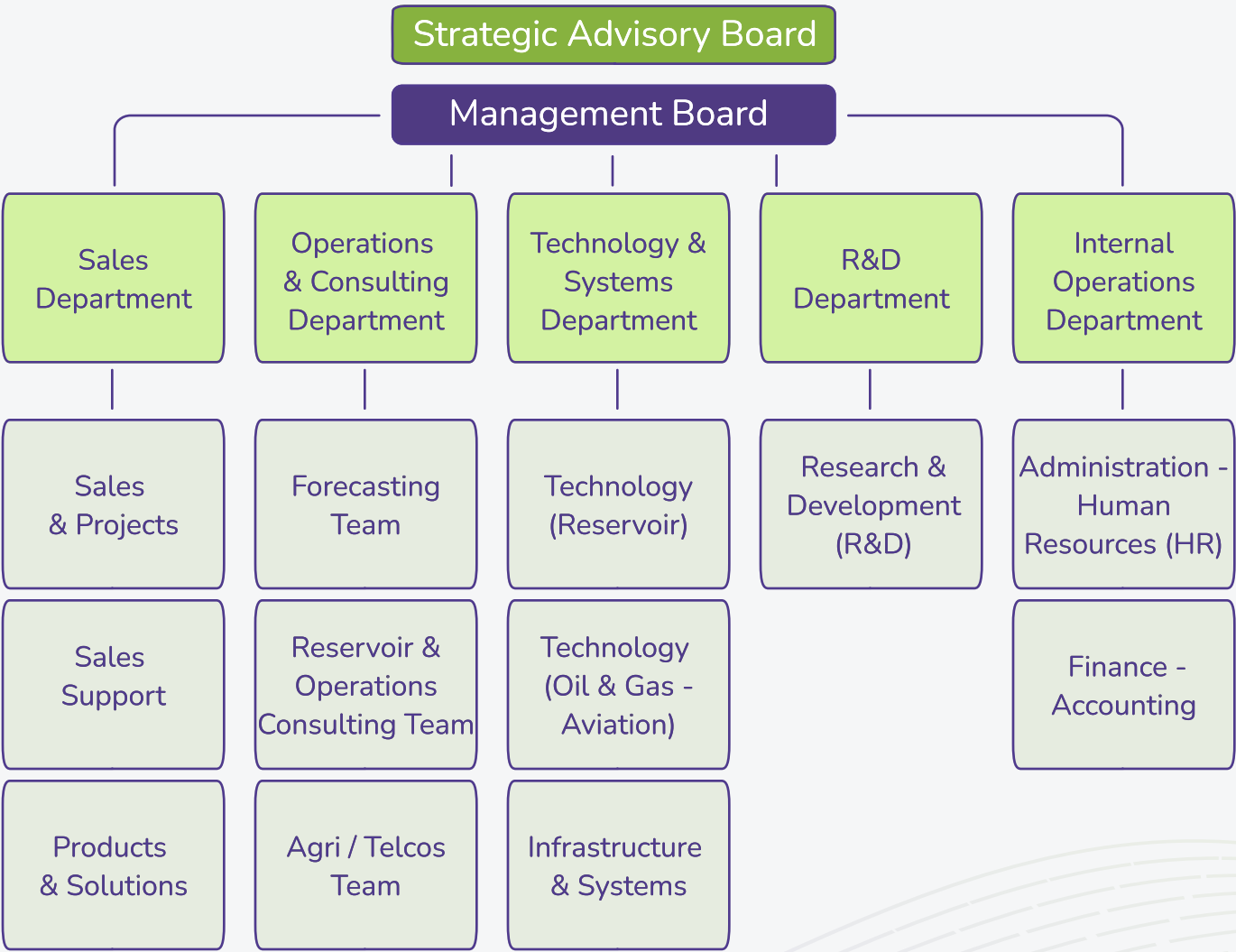
WeatherPlus Solutions

To bridge this critical gap, WeatherPlus seamlessly connects climate insights with day-to-day operations. **Leveraging advanced risk analysis systems, scenario modeling, and industry-specific recommendations, we transform complex data sets into actionable intelligence integrated directly into corporate decision-making workflows.**

About us

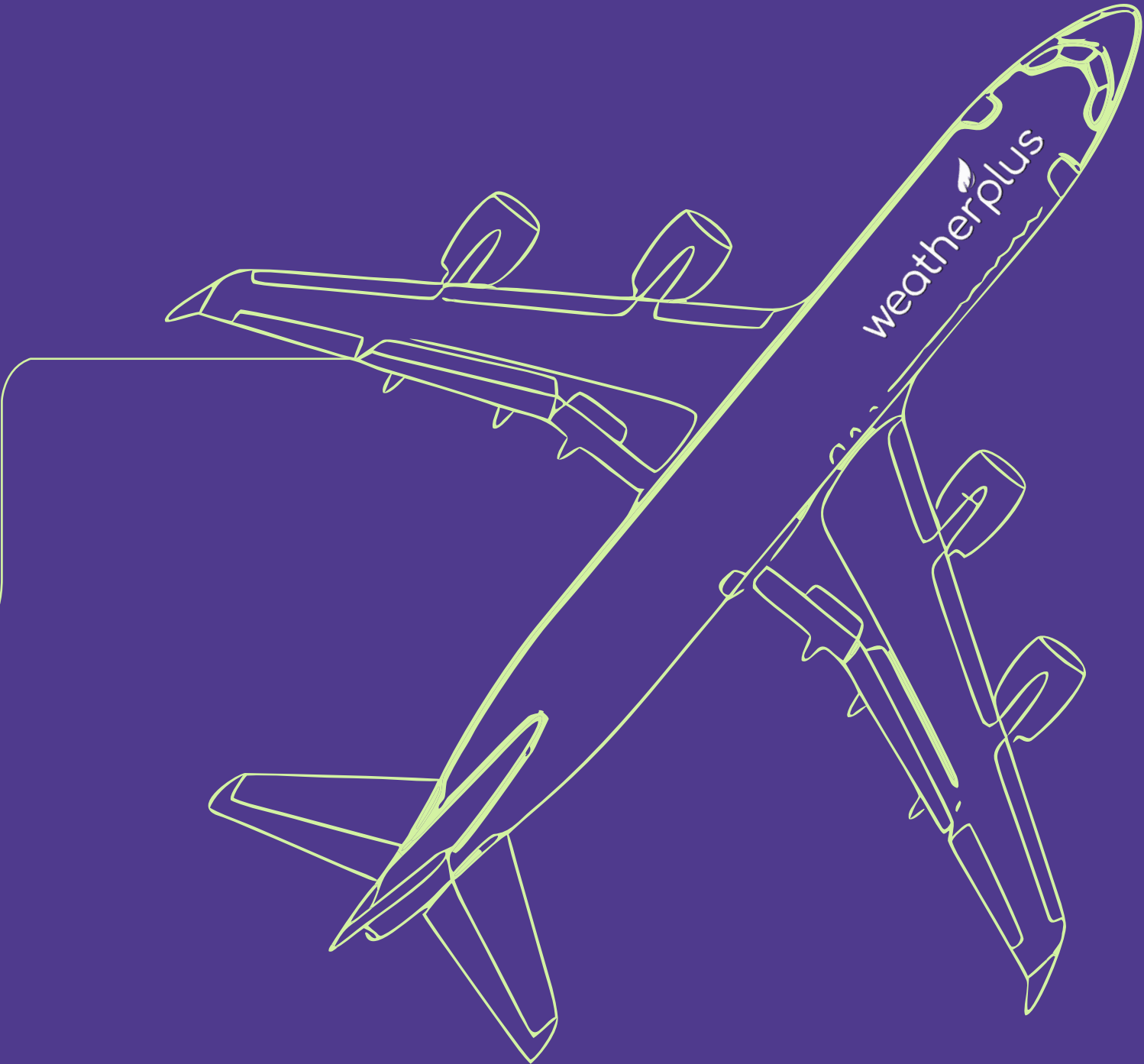
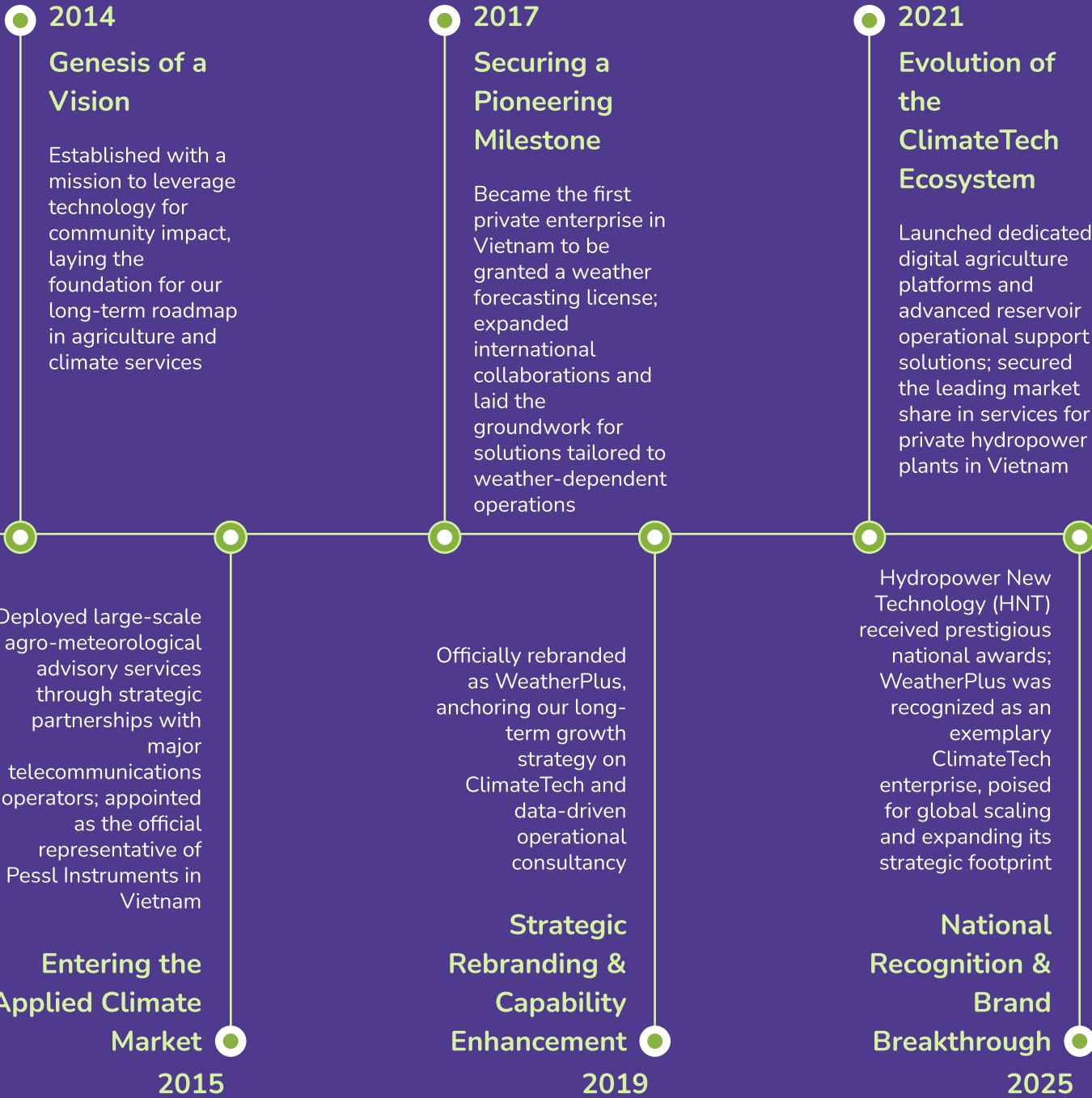
Established on October 1, 2014, WeatherPlus is the **first private enterprise in Vietnam licensed to provide professional weather forecasting services.** Guided by an "operation-centric" approach, we go beyond conventional forecasting to serve as a **strategic technical partner, empowering businesses to make precise, timely, and secure decisions in an era of escalating climate risks.**

Organizational Structure



Our Journey & Milestones

From our initial steps in digital agriculture, WeatherPlus has progressively built a comprehensive Climate Intelligence platform serving sectors directly impacted by weather conditions. This journey reflects our long-term commitment to safety, efficiency, and sustainable development.



Vision – Mission Core Philosophy

Vision	To become a pioneering ClimateTech company, bridging climate science with society’s most critical decisions.
Mission	To develop reliable climate technology solutions that enable organizations and enterprises to manage risks and operate efficiently in an increasingly volatile climate.
Development Philosophy	We champion the core philosophy of: Happiness – Efficiency – Purpose. Our commitment to sustainable development is deeply human-centric, where Happiness serves as the ultimate catalyst driving Efficiency in action. Through this synergy, we forge tangible values and deliver a profound, lasting sense of Purpose to the community.
Core Values	1. Unwavering Commitment & Trust: WeatherPlus and our team members rigorously honor every promise. We build relationships rooted in absolute trust with our clients, partners, shareholders, and colleagues. 2. Dedicated Service: Every member of WeatherPlus works with utmost dedication to deliver exceptional service to our partners and clients, while contributing positively to society. 3. Continuous Improvement: Embracing humility, we relentlessly pursue self-improvement to elevate individual capabilities and reinforce organizational strength. 4. Receptive Growth Mindset: We maintain an open, active-listening attitude to foster personal development, support our team, and contribute to the collective advancement of the enterprise. 5. Resilience & Grit: We approach every challenge with courage and perseverance, driven by an unyielding desire to move forward and achieve sustainable success. 6. Out-of-the-Box Thinking: We foster creative and breakthrough mindsets, prioritizing shared corporate goals and aligning collaborative efforts to achieve overarching business objectives. 7. Candid Sincerity: The WeatherPlus environment encourages direct, honest, and constructive feedback, always acting with sincerity in pursuit of our common goals. 8. Mutual Support & Team Synergy: We actively share knowledge and empower one another to grow together, cultivating a unified, high-performing, and powerful workforce.

Why Choose WeatherPlus

Against a backdrop of escalating and unpredictable climate risks, WeatherPlus stands out for its unique ability to convert complex climate data into timely, precise, and field-proven operational decisions.



CLIMATECH ECOSYSTEM



Product for data management, monitoring, and transmission to support regulatory compliance - **SEHO Plus**



SEHO Observation



Weather Solutions for **Oil & Gas**



Weather Solutions for **Aviation**



Weather Solutions for **Agriculture**



Hydropower New Technology - **HNT**

HYDROPOWER NEW TECHNOLOGY - HNT



Climate Challenges in Reservoir Operations

Climate change is fundamentally altering traditional rainfall and flood patterns, causing **extreme weather events to occur with greater frequency, higher intensity, and significant deviations from historical data.** For reservoirs and hydropower plants, this means **operational decisions must increasingly be made under conditions of high uncertainty and intense time constraints.**

Experience shows that **traditional forecasting methods and historical approaches are no longer sufficient to meet operational requirements** in a rapidly shifting and unpredictable climate environment.



The WeatherPlus Approach

The HNT Reservoir Operation Support System is built upon multi-source data integration, basin-specific advanced forecasting, and scenario analysis modeling to **deliver actionable intelligence during critical decision-making windows.**

This approach ensures that operational decisions are not based solely on conventional weather forecasts, but are instead driven by comprehensive risk assessments, uncertainty evaluations, and viable operational alternatives within specific climate contexts.



Value Delivered

For Executives & Operational Managers:

- Provides reliable data and risk analysis to enable safe, effective reservoir regulation decisions during high-pressure situations.
- Supports proactive selection of optimal strategies, successfully balancing infrastructure safety with power generation targets.

For Operations Engineers:

- Delivers early warnings of rainfall-flood developments and risk thresholds, enabling proactive preparation and precise regulation maneuvers.
- Reduces reliance on subjective individual experience, standardizing safe and consistent data-driven operational workflows.



Hydropower Clients

50+



Increase in Economic Efficiency

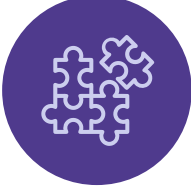
5-15%



Regulatory Compliance

- Decree No. 53/2024/ND-CP
- Law on Water Resources

SEHO PLUS - Product for data management, monitoring, and transmission to support regulatory compliance



Industry Challenges

Reservoir operations are increasingly challenged by **climate change and stricter regulations**, particularly requirements for hydro-meteorological monitoring and data management under Decree No. 23/2026/ND-CP and real-time operational constraints under Decree No. 53/2024/ND-CP. However, many legacy systems lack adequate traceability, automated reporting, and early warning capabilities, increasing compliance risks and operational pressure.



The WeatherPlus Approach

WeatherPlus engineered SEHO Plus with a clear strategic focus: **seamlessly aligning reservoir operations with regulatory compliance.** The system delivers a comprehensive technical solution by integrating an advanced hydro-meteorological monitoring platform that automates high-precision, real-time data collection, transmission, and storage. This infrastructure is coupled with intelligent reporting tools and early-warning mechanisms, empowering operators to proactively mitigate natural disaster risks while ensuring absolute alignment with state decrees and circulars.



Value Delivered

- Streamlined Legal Compliance: Simplifies regulatory adherence for operational units, minimizing manual interventions and eliminating human errors during data transmission and reporting.
- Centralized Operational Visibility: Enables unified monitoring of reservoir status, delivers timely alerts, and provides a real-time, comprehensive overview of operations, power output, and revenue metrics.



Active Clients

200+



Market Share for monitoring equipment in Vietnam

TOP 1



Meeting the Requirements

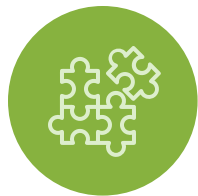
- Decree No. 23/2026/ND-CP
- Circular No. 64/2025/TT-BNNMT
- Decree No. 53/2024/ND-CP
- Decree No. 54/2024/ND-CP
- Official Letter No. 698/ATMT-QLDA
- Decree No. 48/2020/ND-CP
- Decree No. 114/2018/ND-CP



Customer Satisfaction Rate

99%

Reliable Weather Solutions for the Oil & Gas Industry



Industry Challenges & Requirements

Offshore oil and gas operations are directly exposed to volatile metocean (meteorological and oceanographic) conditions. Factors such as high winds, heavy seas, storms, and rapid weather shifts can immediately jeopardize personnel safety, asset integrity, and operational schedules. Given the high-cost, high-risk nature of remote offshore extraction, every operational decision depends heavily on real-time, site-specific weather conditions.

In the context of climate change, extreme weather events are becoming increasingly frequent and highly localized. However, generic forecasting sources often lack the spatial and temporal precision required for critical operational windows. Even a minor margin of error in weather assessment can result in costly operational downtime, substantial financial losses, or severe safety incidents.



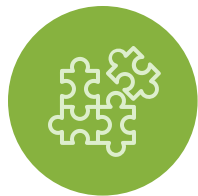
Weather Solutions for the Oil & Gas Sector

WeatherPlus delivers a specialized weather solution engineered for offshore oil and gas operations, focusing on real-time offshore monitoring through dedicated observation systems and multi-source data integration. On this foundation, our forecasting bulletins are precisely tailored to operational shifts and continuously updated to support decision-making during high-sensitivity windows.

Beyond short-term forecasting, WeatherPlus provides medium-term and long-term outlooks (7 to 30 days) along with early warning systems for hazardous weather events. This empowers enterprises to proactively plan logistics, mitigate risks, and minimize operational disruptions. Our solution is designed to transform complex weather data into a practical operational tool, ensuring safety and efficiency in offshore oil and gas extraction.



Advanced Weather Solutions for the Aviation Industry



Industry Challenges & Requirements

In the aviation industry, weather is a mandatory baseline input for all operational decisions. Factors such as hourly heavy rainfall, thunderstorms, runway crosswinds, low cloud ceilings, and slant-range visibility directly govern takeoff and landing capabilities, slot allocation, and flight safety assurance.

With weather systems becoming rapidly evolving and highly localized, the critical requirement shifts from long-range forecasts to high-resolution, continuously updated weather intelligence strictly aligned with operational safety thresholds.

Consequently, accurate and timely forecasting capabilities are the decisive determinant of aviation safety, operational continuity, and efficiency.

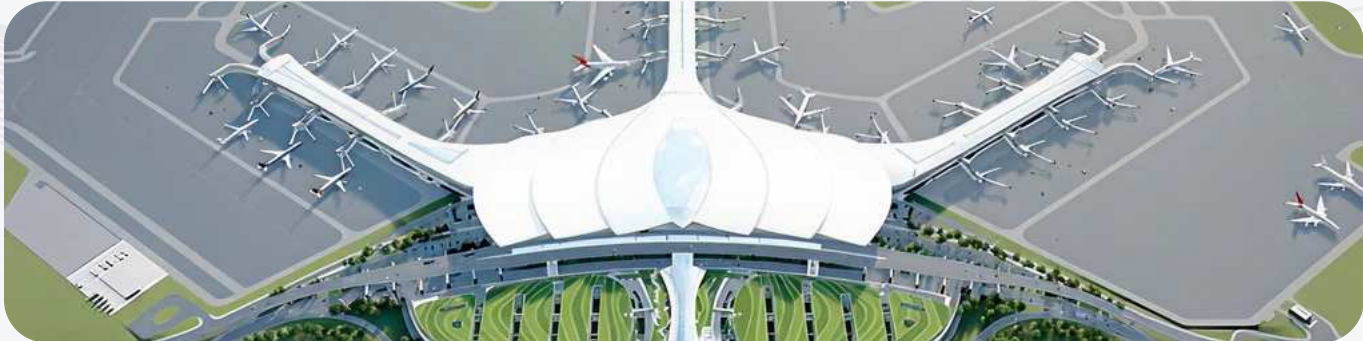


Weather Forecasting Solutions for Aviation

WeatherPlus delivers a specialized aviation weather forecasting and warning system that goes far beyond conventional meteorological bulletins.

The solution not only integrates multi-source hydro-meteorological data, but also analyzes it against aviation safety thresholds and key operational parameters—including visibility, low cloud base, crosswinds, lightning activity rates, and real-time weather radar returns.

- Key meteorological parameters: Temperature, wind speed and direction, atmospheric pressure, humidity, visibility, cloud cover, and precipitation.
- High-resolution Numerical Weather Prediction (NWP) models.
- Short-term forecasting using radar and satellite data to detect hazardous weather phenomena.
- Probabilistic forecasting models to enhance risk assessment.
- Artificial Intelligence (AI) and Machine Learning (ML)-based weather models to improve forecasting accuracy.



Digital Agriculture Solutions for Telecommunications Operator (TELCO)



Market Context & Industry Challenges

According to the Food and Agriculture Organization of the United Nations (FAO), climate-related natural disasters cost Southeast Asia billions of USD in agricultural production annually, threatening farming livelihoods and supply chain stability. **In Vietnam, heavy rainfall, prolonged droughts, and severe flooding degrade crop yields across key agricultural regions, complicating production and distribution planning.**

In this environment, telecommunications operators recognize the immense potential to deploy impactful digital agriculture services. However, a major hurdle lies in **delivering highly specialized, actionable insights that empower farmers to make operational decisions, rather than merely providing basic connectivity or fragmented information.**



The WeatherPlus Approach

WeatherPlus integrates into the **telco-driven digital agriculture ecosystem as a specialized provider of weather and climate data solutions**, enabling telecom operators to transform their connectivity infrastructure into high-value, practical agricultural service platforms.

This approach empowers operators to transcend basic connectivity and establish themselves as **central hubs for localized information, domain knowledge, expert networks, and market access**. This is achieved through a scalable digital agriculture platform capable of seamlessly integrating diverse stakeholders across the agricultural value chain.



Value Delivered to Operators and the Ecosystem

For telco operators, WeatherPlus's agricultural solutions **enhance the value of digital services within their existing subscriber base, expand their market footprint in rural demographics, and increase user retention** through practical, daily-use services.

Proven track records demonstrate that WeatherPlus has established long-term collaborations with Vietnam's leading telecom giants—MobiFone, Viettel, and VinaPhone—to deliver advanced weather solutions and climate datasets that power digital agriculture platforms, **driving efficient and sustainable agricultural digital transformation.**



mobiAgri Digital Agriculture Application
(In partnership with MobiFone)



VietPlant Digital Agriculture Application
(In partnership with Viettel)



vnAgri Digital Agriculture Application (In partnership with VinaPhone)

"We believe that against the backdrop of increasingly complex climate change, the Vietnamese economy cannot merely rely on chance or past experience, nor on reactive measures. Data and technology constitute the new shield that enables us to proactively stay one step ahead."

TO DUC HAI
Chairman & CEO, WeatherPlus

Project

Throughout its development, WeatherPlus has steadily proven its competence through real-world projects across multiple sectors.

a. Thac Xang Hydropower Plant – Operational Support Project

- Challenge

In 2024, **Super Typhoon YAGI** triggered historic floods along the Ky Cung River basin, escalating climate risks and reservoir safety pressures at the Thác Xăng Hydropower complex to unprecedented levels.
- Solution

The HNT system leveraged advanced meteorological and hydrological data alongside specialized forecasting. This empowered the plant to execute data-driven operational decisions, such as **initiating early power generation to lower reservoir water levels and proactively creating vacant capacity to absorb extreme flood inflows.**
- Result

The facility operated safely throughout the historic peak flood while optimizing power output during the rainy season. Over 7 years of HNT deployment, **economic efficiency increased by approximately 10%, and climate risk adaptation capacity improved significantly, safeguarding the infrastructure and minimizing downstream risks.**



b. Ban Ve Hydropower Plant – Operational Support Project

- Challenge

During heavy rains and floods caused by **Typhoon WIPHA in late July 2025**, water inflows into the Bản Vẽ Hydropower reservoir accelerated rapidly, peaking at approximately 12,800 m³/s. This surpassed the check flood level corresponding to a 0.02% probability (a 1-in-5,000-year event), placing immense pressure on reservoir safety and downstream communities.
- Solution

The HNT system integrated watershed-specific forecasting models with meteorological and hydrological data. This supported data-driven decision-making, enabling the plant to proactively lower reservoir water levels and allocate capacity for flood retention.
- Result

The plant safely navigated the historic peak flood, **reducing the peak discharge flow to downstream areas by approximately 74% while maintaining strict control over reservoir water levels throughout the heavy rainfall period.**



c. Dai Hung Oil Field Project

- Challenge

Located more than 250 km offshore, rig towing and oil production activities at the **Dai Hung Oil Field** are heavily impacted by severe marine weather, with wave heights reaching 6–7 meters, posing significant operational risks and high potential cost overruns.
- Solution

WeatherPlus delivered a **"tailor-made"** marine weather forecasting solution, precisely identifying safe weather windows via 10-day forecast bulletins updated every 3–6 hours, backed by 24/7 expert consultation to support operational decisions.
- Result

The rig towing process was completed safely, **avoiding 2 days of heavy swells and saving over 10 billion VND in risk-associated costs**. Over the subsequent 16 months of continuous production, the oil field recorded **zero operational disruptions** due to forecasting errors, proving the critical value of data and technology in offshore operations.



d. Other projects

Dak Mi 2 HPP Khe Bo HPP
Dong Nai 5 HPP Dambri HPP Trung Son HPP
Xekaman 1 HPP Xekaman 3 HPP Song Tranh 2 HPP
Hua Na HPP Ngoi Phat HPP Tuyen Quang HPP
Ban Ve HPP Thac Ba HPP Hoa Binh HPP

weatherplus

Long Thanh Airport Vietplant mobiAgri
Binh Dai WPP Truong Thanh WPP
Tan Hoan Cau WPP Dai Hung Oil Field
Dong Hai 1 WPP Cuu An WPP

Awards

WeatherPlus's innovative solutions have been highly acclaimed and honored at prestigious domestic and international award programs



Gold Stevie® Winner – International Business Awards (2022)



Silver Winner – ASEAN Digital Awards (2024)



Gold Award – "Make in Vietnam" Digital Technology Awards (2024)



Gold Award – "Make in Vietnam" Digital Technology Awards (2025)



Excellent Digital Transformation Product – Vietnam Digital Awards (2025)

Clients & Partners

STRATEGIC VISION & CORE PILLARS

WeatherPlus is strategically positioned to become the pioneer in Vietnam's rapidly evolving **ClimateTech** sector

WeatherPlus focuses on developing **advanced decision-support** systems that integrate directly into real-time operational workflows

WeatherPlus prioritizes the deployment of **Climate Intelligence** platforms architected for high standardization, seamless scalability, and effortless localization

Core Products

Target Markets

Scaling Model



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