



# HYDROPOWER NEW TECHNOLOGY HNT

RELIABLE COMMITMENT  
DEDICATED TO EVERY SERVICE



## HYDROPOWER NEW TECHNOLOGY HNT

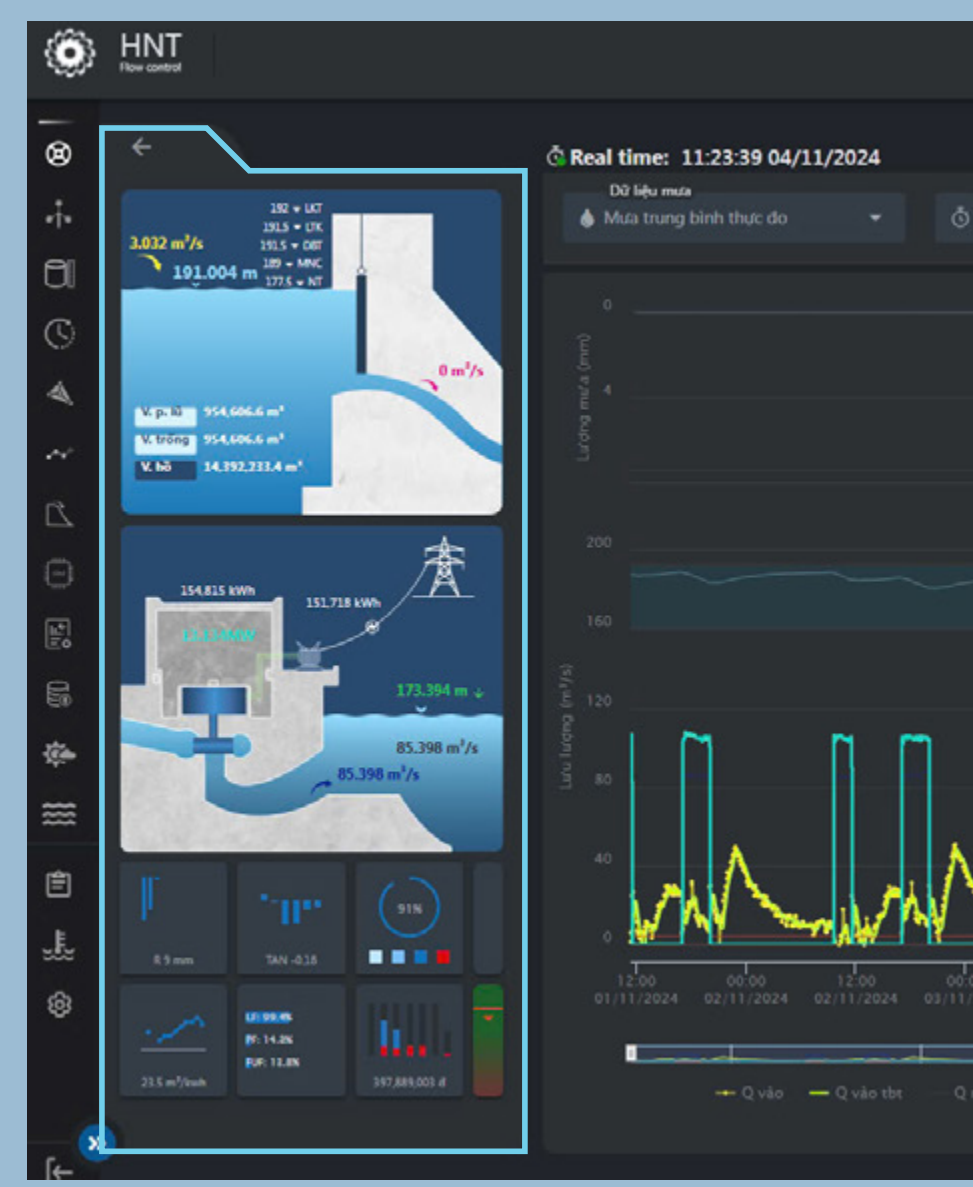
provides visual data representation, real-time calculations, and forecasts for rainfall, inflow rates, total water inflow into the reservoir. This enables the creation of operational simulation scenarios to address issues during hydropower plant operations.

The system provides reliable and clear data on various situations, allowing users to make timely, quick, and rational operational decisions that align with extreme weather developments.



### Optimize operational plans

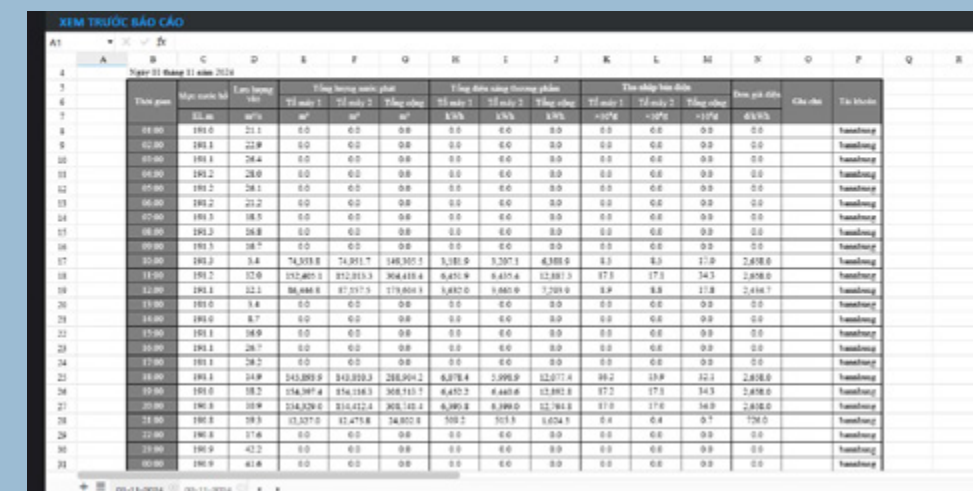
Use the SIM simulation program (Simulation of hydropower plant operations on a computer) to develop efficient and economically optimized operation scenarios for future operational planning.



### Calculation tools and useful indicators

Many calculation tools and indicators designed to support operations are integrated into the system:

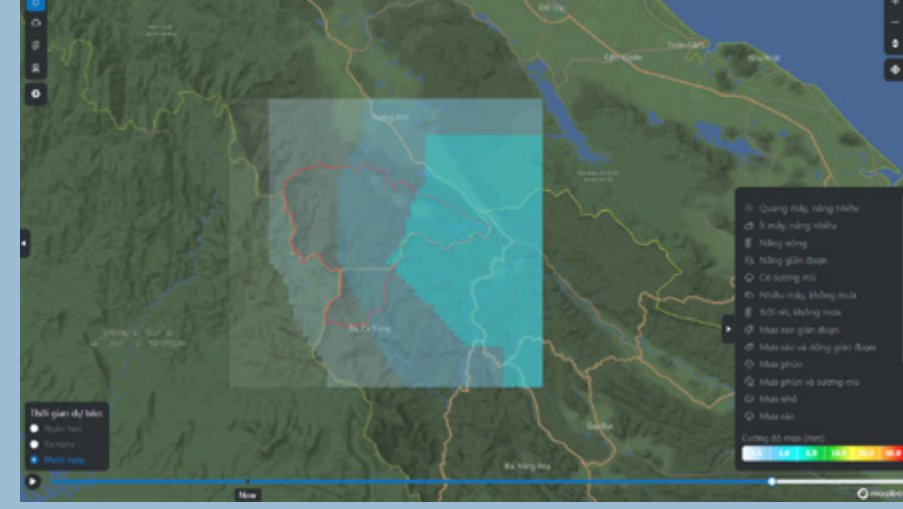
- Basin rain monitoring
- Storage capacity calculator
- Time calculator
- Basin outflow calculator
- Extremely short-term reservoir inflow calculator
- Target dam discharge calculator
- Weather tracking tool



### Operational report

A specialized report export function that quickly provides users with an overview and assessment of plant operations on a daily, weekly, monthly and yearly basis

## FEATURES



### Weather & hydrometeorological forecasting

Providing weather and hydrometeorological forecasts for basins and reservoirs, including:

- Rainfall forecasts for 3 to 10 days
- Inflow and total water volume forecasts for the reservoir over 3 days
- Extensive meteorological information from satellite imagery and storm tracking



### Real-time visualization and calculation

- Real-time calculations of hydrometeorological factors
- Data is presented through visual graphs, making it easier for users to grasp the basin conditions and flow trends

## BENEFITS



- Provide information to **support safe and proactive flood regulation operations**
- **Enhance the capabilities** of operational staff through the application of advanced technical systems
- **Digitize operational processes for storage and evaluation to improve future operations**
- Centralized management solution for multiple plants to **enhance operational management and remote monitoring efficiency**
- **Increasing economic efficiency from 3% to 15%**

## WHY CHOOSE HNT?

01

Hydropower New Technology (HNT) is built on a system that has been successfully applied in Japan for the past 30 years, and is being implemented for the first time in Vietnam by the Kyushu Electric Power -WeatherPlus joint venture

02

A team of Japanese and Vietnamese experts with many years of experience in the fields of hydrometeorology, hydropower operations, and understanding of the specific weather conditions of each region

03

HNT is custom-designed for each client to meet the different characteristics of facility design, technical specifications, and operational methods of the plant

04

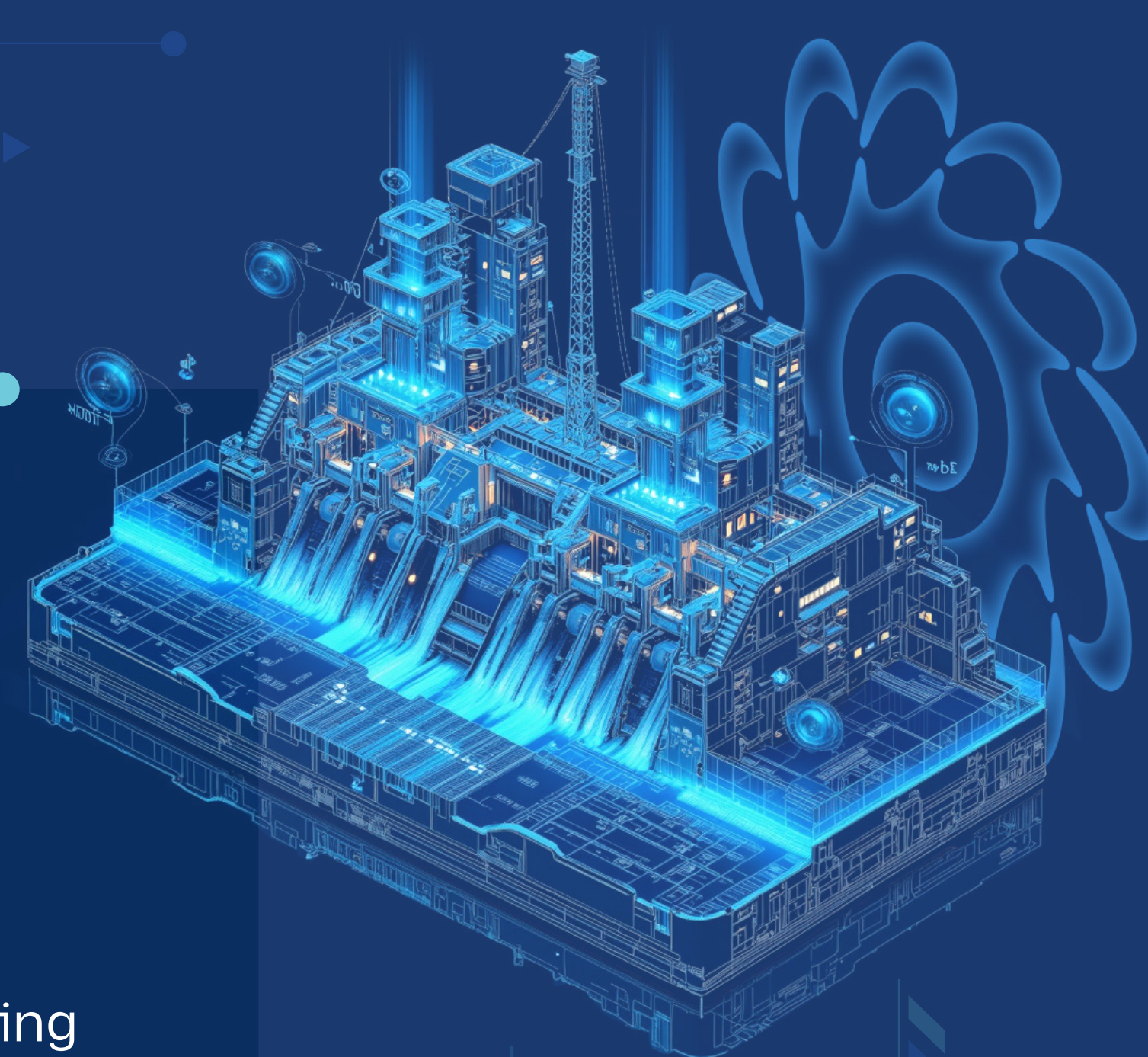
The system is built with automatic and manual data entry capabilities, supporting operations in all weather conditions to withstand floods

05

Providing reliable and fast weather forecast information thanks to a system of more than 1000+ weather monitoring stations nationwide

06

Nearly 50 clients have trusted and provided positive feedback on the operational efficiency after only a short period of use



1000+

WEATHER MONITORING STATIONS

120+

EXPERTS, ENGINEERS IN METEOROLOGY AND HYDROPOWER

3,5 MILLION+

WEATHER DATA POINTS DAILY

JAPANESE  
TECHNOLOGY

APPEARS FOR THE FIRST TIME IN VIETNAM

FREE TRIAL

