HanAra Software

Improved Data Usage with HanPrism

NUR Power

NUR Power is Malaysia's first independent power utility. The NUR Power Group owns, operates, and maintains a 220-MW combined-cycle gas turbine plant in the 115-acre Kulim Hi-Tech Industrial Park (KHTP), Malaysia's first industrial park dedicated to high technology enterprises. NUR Power also built and maintains a distribution grid inside the KHTP and provides electricity to customers and residences within the KHTP.

Challenges

1. Poor Historian Usability

Assets across the plant floor transmit vast amounts of data. NUR's existing historian collected and stored data, but NUR operators were unable to effectively monitor and analyze the process data to draw intelligence. Not only was the existing historian only available in the control room, but data archiving, loading speed, and incomplete and fragmented data hindered NUR Power's use of plant data. NUR Power needed to migrate their data to a new historian to protect and utilize their data.

2. High Upgrade Costs

NUR's existing hardware, software, and operation system was obsolete. They wanted to upgrade their current system, but their existing plant management system's upgrade was too expensive. NUR Power used trial versions of other plant management systems, but NUR Power needed a powerful solution to meet their data analysis needs that was cost-effective.

HanPrism

In 2016, NUR Power replaced their existing historian with HanPrism. NUR Power uses HanPrism's speed and precision to draw actionable intelligence from vast and dispersed data from 5,000 points.

Benefits

1. A Powerful Historian

HanPrism became the total data infrastructure for the NUR Power, collecting and storing equipment data. HanPrism surpasses other historians' limits by managing highly complex and extensive data without any loss or interruption. Historian speed is no longer an issue for NUR Power as HanPrism loads historical data quickly and precisely. With HanPrism, NUR Power analyzes decades of historical data in a fraction of a second. As a result, NUR Power has reduced its time for data searching and processing, enabling more time to optimize operational efficiency.

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2. Cost-Effective Actionable Intelligence

NUR Power chose HanPrism after a comprehensive comparison with other products, placing high importance on cost and service. Not only did NUR Power upgrade their system, but they added additional plant tags to HanPrism and receive the necessary level of support to fully take advantage of their new data infrastructure system.

HanPrism provides analysis and visualization tools to operators, engineers, managers, and executives at the plant. They access HanPrism easily from their desktops whenever they need without going to the control room. Each user also creates customized dashboards based on their focus. With HanPHI, NUR Power has better access to plant information and uses this actionable intelligence for improved decision-making.

Challenges	HanPrism	Benefits
• Slow data loading speed • Limited data accessibility • Difficulty in sharing information with others • Limited built-in data analysis	• Load historical data quickly and accurately • Monitor all plant real-time data at all levels of NUR Power • Quickly check, analyze, and share data anywhere and at any time	• Manage plant efficiently with a stable data management solution • Analyze long-term data with powerful trend tools within a second • Increase data usability through HanPrism dashboards

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