

ARIDES

A Proven DCS HMI Solution

Introducing ARIDES

Advanced Real-Time Information Deployment Solution

Distributed control system (DCS) migrations and replacements represent substantial costs and time for process plants. ARIDES enables selective replacement of legacy human machine interfaces (HMI) without requiring an entire DCS upgrade. Using this powerful, state-of-the-art DCS HMI solution, process plants improve their operational efficiency and manage a wide variety of assets across the fleet with greater efficiency and stability. A proven technology in nuclear, thermal, and combined-cycle power plants, ARIDES is the best plant control and monitoring solution for you.

ARIDES is a proven plant control and monitoring solution, operating in nuclear, thermal, and combined-cycle power plants worldwide. The HMI's shorter lifespan in contrast to the DCS's lifespan is a chronic problem for process plants. With ARIDES, you can replace and upgrade only the HMI without having to upgrade the entire DCS.

Our solution provides an up-to-date, advanced, and robust HMI that is compatible with various DCSs, including GE Mark V, ABB Procontrol, Siemens Teleperm XP, and MHI MIDAS 8000.

Our powerful DCS HMI can help you improve the stability and efficiency of plant operations beyond current capabilities of existing HMIs. Our proven track record of advanced DCS interface technology makes ARIDES the leading solution for controlling and monitoring plant operations.

Migrating a legacy DCS HMI with ARIDES allows you to take advantage of cost and time savings in contrast to replacing or upgrading the entire DCS.

Aging HMIs Cause Frequent Failures and Increased Costs

HMIs embedded in aging DCSs were designed for their contemporary technology and operational environment. Technology is an ever-changing landscape, so the functions and performance of outdated technology often limit plant operators' abilities. More importantly, outdated DCS HMI may cause frequent malfunctions, exposing plants to critical risks.

Outdated computers that operate using the DCS require unnecessary maintenance and reduce the performance and reliability of DCS. You need more powerful and reliable software that operates using up-to-date technology. ARIDES is your solution.

Our Proven and Advanced Technology

Advanced DCS Interface Technology

Our advanced DCS interface technology is compatible with many DCS systems. Our technology is proven across multiple power plants around the world and helps our customers achieve operational excellence and efficiency.

ARIDES Interfaces

- GE Mark V ARCNET
- GE GSM
- ABB Procontrol P13/42
- Siemens Teleperm XP
- MHI MIDAS 8000
- OPC
- Modbus
- IEC 61850

Real-Time Data Management Technology

The real-time data management technology allows you to manage vast amounts of data accurately and rapidly beyond current capabilities of existing DCS HMI. ARIDES can process up to 100,000 signals per second in real time. ARIDES provides robust, stable, rigorous, and reliable data processing for plant operators. Our optimally designed, advanced database technology helps operators gain a transparent and comprehensive view of plant operations.

Real-Time Data Management

With ARIDES, plant operators can easily and rapidly monitor and analyze vast amounts of complex historical and real-time data. ARIDES delivers the right information to the right people, enabling them to make the right decisions at the right time. ARIDES real-time data-management technology brings operational efficiency to your plant.

Control



Control process plants with reliable technology

Monitor



Monitor entire process effectively

Collect



Collect real-time data and accurately archive data

Analyze



Analyze real-time data with built-in tools

Collaborate



Effectively collaborate with your team

Value

For over a decade, ARIDES has helped our users optimize monitoring and controlling their plants. Our customers worldwide claim high value from our HMI. With ARIDES, customers operate entire production processes in optimized operational conditions. Users manage and analyze every single piece of data generated from the plant with greater stability, speed, and reliability. Our redundant server and network technology provide stability and reliability in everyday operations.

ARIDES Users Leverage

- Substantial improvement of control and monitoring system performance
- Redundant server and network configuration that enables highly secure operation
- User-friendly graphic design and simple interface that permit easy operation

About HanAra Software

HanAra Software is a subsidiary of South Korean-based BNF Technology. BNF Technology is a professional software development company that provides optimized software solutions for operational management of process plants. Nuclear, coal-fired, combined-cycle, seawater desalination, and petrochemical plants use our solutions. BNF Technology provides solutions to over 100 sites across 2 continents to help them achieve operational excellence.

For over 16 years, we have developed data historian, data infrastructure, predictive analytics, DCS HMI, and performance monitoring solutions. We provide innovative technology based on our years of experience in the process industry. We help our customers achieve operational excellence by making plant management easy and simple and by maximizing return on assets.



HanAra Software
Tel. (737) 209 - 9220 Email. info@hanarasoft.com
www.hanarasoft.com

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3410 Far West Blvd, Suite 202, Austin, TX 78731