

BNF Technology Inc.



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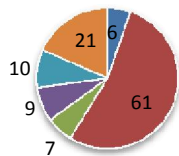


About BNF Technology



BNF Technology is the software company providing the optimized solutions for operation and management of process plants.

BNF Technology Inc.

Date founded	November 10, 2000
Business	Software solutions for process industry • Power(Nuclear, Coal-fired, Combined-Cycle) • Petrochemical • Oil&Gas • Seawater Desalination • Etc.
Products	Plant Information System Predictive Analysis Solution Smart Operation Monitoring Solution Real-time Performance Monitoring Solution
Organization	Total : 114 No. of employees in HQ : 93 No. of employees in India branch : 21  ■ Directors ■ Software Dev. Engineers ■ QA & Test ■ Sales & Marketing ■ Management ■ BNF India

Our Vision



By Total Software Solutions

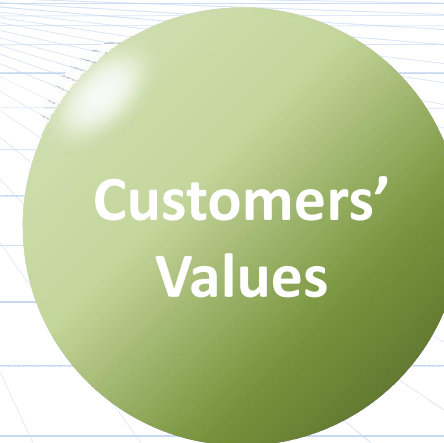


Since 2000, we have developed

- DCS HMI Solution
- Plant Information System
- Predictive Analysis Solution
- Performance monitoring and measuring System

In Process Industry

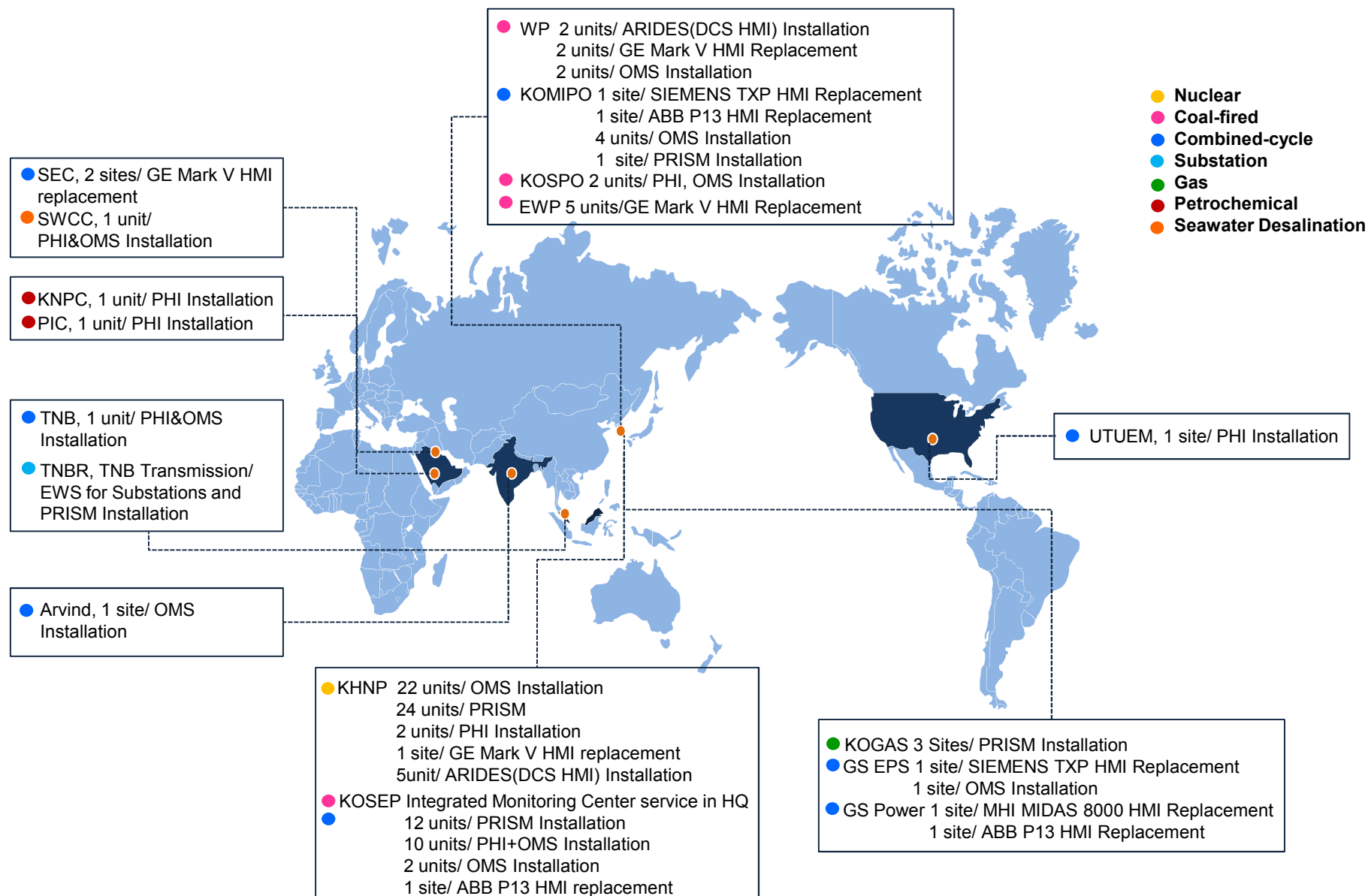
We have concentrated on process industry only since 2000.
We have been working with
Nuclear power: 24 units in Korea(A whole units under operation)
Coal-fired power: more than 35 units in Korea
Combined-cycle power: more than 12 sites over the world
Gas:3 sites in Korea
Petrochemical: 2 sites in Kuwait.



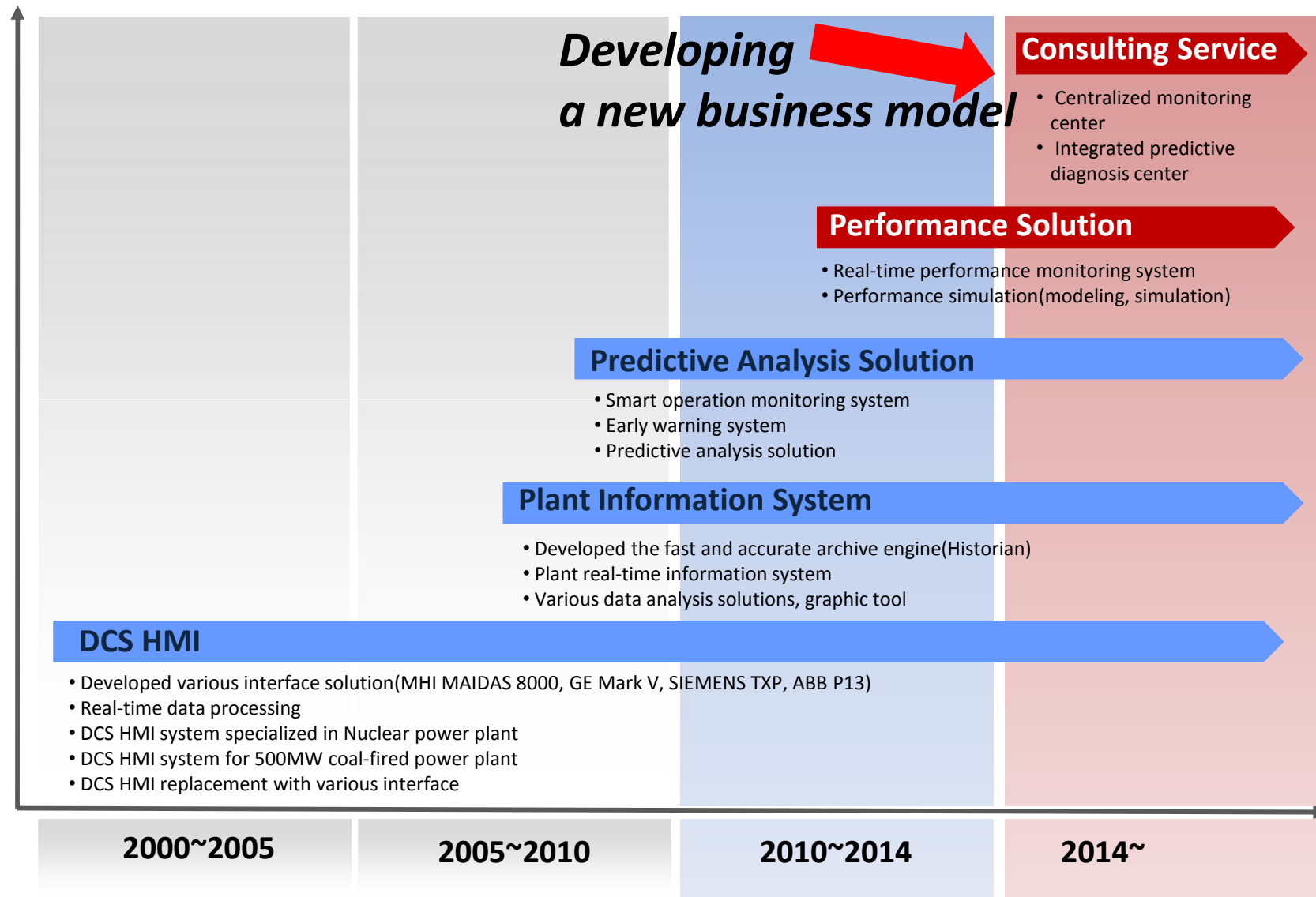
Contribute to creating customers' values

Our vision is to meet our customers' needs and contribute to creating customers' values with our solutions.

Track Records



Product Development History



Solutions



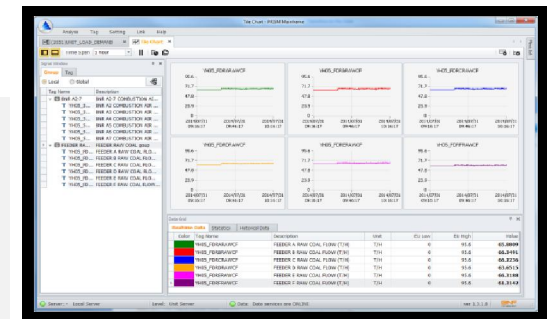
PRISM (Plant Real-time Information Smart Manager)



- **Plant real-time information system**
- **Data infrastructure** to collect mass data from sources in process plant
- **The fastest and accurate historian engine** to archive and retrieve historical data
- **Data analysis and visualization tools** to analyze real-time and historical data

Benefits

- ✓ **Unlimited time and space**
Deliver hundreds and even thousands of data with highest possible resolution and speed to users anywhere, anytime
- ✓ **Turn data into valuable information**
PRISM Client Suite enables you to see, analyze and design data with process mimic displays, powerful charts, reports, etc.
- ✓ **Make a right decision in a timely manner**
Connect all related people with the same real-time data. It delivers useful information to the right people in the right time.
- ✓ **Secure your systems**
Designed with one-way communication to prevent your important assets from cyber attacks through PRISM server



Solutions



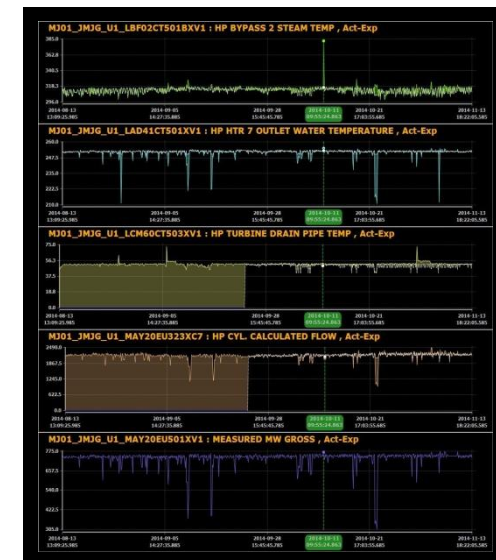
PHI (Plant Health Index)



- **Health Index** of all assets of your plant for the past and now
- **Early detection** of any abnormal symptoms that can lead to failures
- **Notification** with warnings or alarms based on classification including severity
- **Utilizing existing sensors** for health index of all assets and early detection of anomalies including sensors, transmitters, equipment, measured performance and communication

Benefits

- ✓ Keep the safe environment and reduce the loss of production
- ✓ Produce constant quality of the product
- ✓ Effective and efficient staff's work for operation and maintenance



Solutions



OMS (Operation-margin Monitoring System)



- **A software solution for minimizing plant trip , improving efficiency and optimizing performance**
- **Monitor operation capability** of your plant with margin values
- **Notify and report the classified critical issues** that may lead to trip
- Provide **enough time** to rectify abnormal conditions, degradation of performance & deterioration of efficiency of the plant
- Provide provision to **recover back to the best normal operating range**
- Provide provision to **optimizing plant operating condition**

Benefits

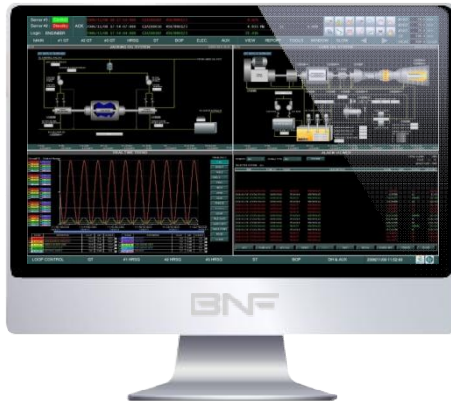
- ✓ Improve operating capability
- ✓ Keep the plant in safe and stable condition
- ✓ Improve plant reliability



Solutions



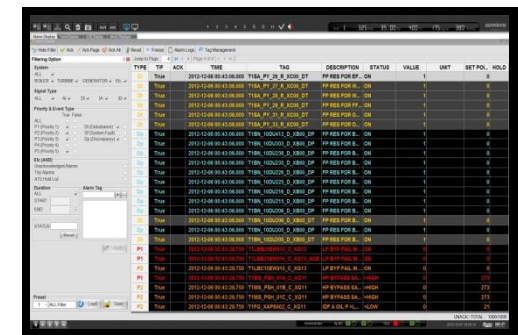
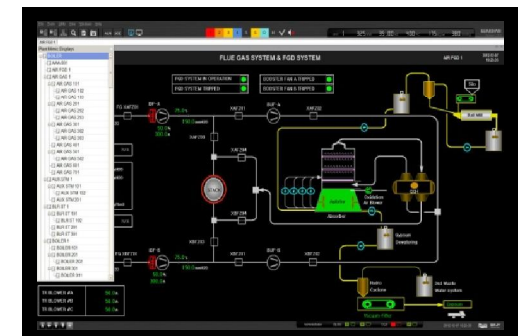
ARIDES (Advanced Real-time Information Deployment Solution)



- A specially designed **DCS HMI software solution** than offers sophisticated features for real-time process monitoring and control area with powerful historian capabilities
- **Successfully deployed** to Nuclear, Thermal, Hydro and Combined-cycle power plant **over 15 years**
- Providing DCS HMI system specialized in Nuclear Power Plant
- Replacing old HMI system only
(Our Interface solution: ABB P13/42, MHI MAIDAS 8000, GE Mark V, SIEMENS TXP)

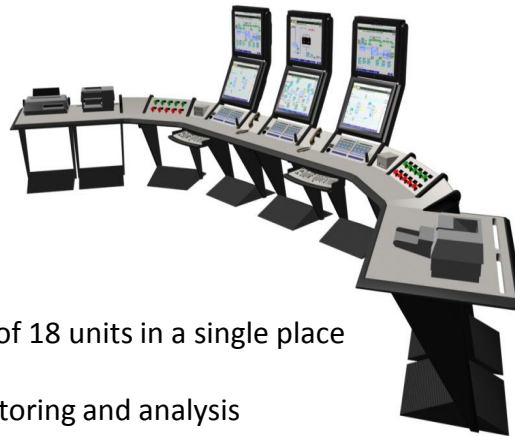
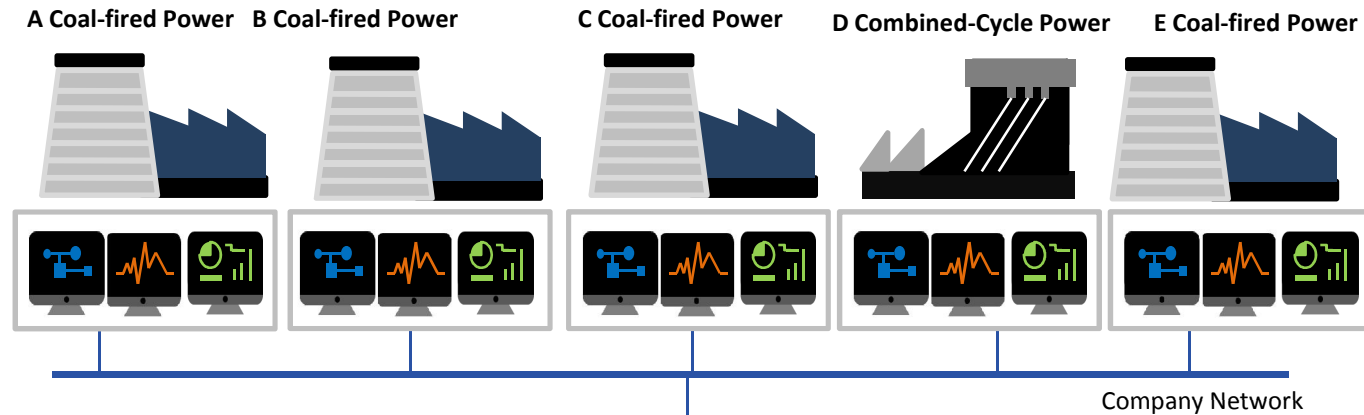
Benefits

- ✓ **Reduce time and cost**
 - Minimizing down time and reducing cost by replacing only old HMI to ARIDES, and providing parallel operation of both old HMI and ARIDES for initial installation
- ✓ **Improve operation environment**
 - Upgrading system performance and functions by replacing an old HMI to the latest system
 - Providing robust communication between DCS controller and ARIDES with the proven RTDB system
 - Managing the HMI system safely with a redundant server structure





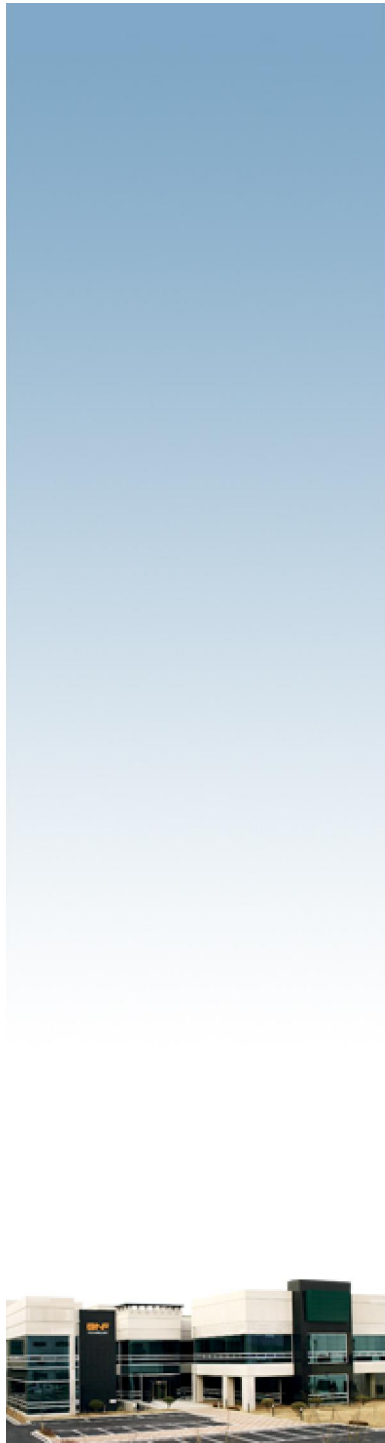
Service for Centralized Monitoring & Diagnostic Center



What we are doing

- Monitoring status of 18 units in a single place
- Predictive analysis
- Performance monitoring and analysis
- Diagnostic reports

<The center for one of our customers>
Currently, we are providing the service for operating the Centralized Monitoring & Diagnostic Center in power industry, Korea.



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