PREXION™: fast visualization of plant operation performance

PREXION™ accurately indicates the operational performance of a plant or factory and provides an information environment in which operational information can be used freely and flexibly. PREXION™ visualizes the operational performance (quality, cost, base unit, yield, energy efficiency, and more).

PREXION is a plant information management system that automatically collects process data, both periodically and on an as-needed basis, from various control systems and monitoring systems, and stores that data over an extended period.

Plant managers, administrative staff, engineers, operators, and maintenance staff can easily and quickly access past and current data via this system. As a result, the system efficiently supports quick decision making so that they can quickly recognize operational performance, unit performance, and so on.

- Reduced manufacturing costs
  - Decision support for operational changes based on plant, base cost of energy usage, repair maintenance, and the like
- Fast query
  - Query analysis for process modeling in order to estimate quality
  - Query analysis for process modeling in order to estimate yield
- Efficient recall management
  - Automatic creation of shift reports, daily reports, weekly reports, and monthly reports
  - Set recall management and automatic creation of shift reports
- Efficient operators
  - Alarm analysis and automatic generation to reduce the frequency of alarm and operator process changes
- Improved safety and environment
  - Problems analysis

Process data collected and stored by PREXION™ can be easily used for a variety of jobs.

Various types of operational data can be easily retrieved and analyzed using the client software or spreadsheet program tool, allowing instant feedback of the results to the site.

- Automatic recall printing
  - Generating reports for process modeling in order to estimate quality
  - Generating reports for process modeling in order to estimate yield

- Display of past operations
  - Process data collection and analysis for process modeling in order to estimate quality and yield

- Monitoring of operational performance
  - Real-time monitoring and historical trend analysis

- Linkage between graphs and Excel data
  - Real-time monitoring and historical trend analysis
  - View site data
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PREXION is a plant information management system that automatically collects process data, both periodically and on an as-needed basis, from various control systems and monitoring systems, and stores that data over an extended period.

Plant managers, administrative staff, engineers, operators, and maintenance staff can view, use, and manage the collected process data at their discretion. As a result, the system will accurately take quick decisions, ensuring that they can rapidly recognize operational performance and in-process quality.

Reduced manufacturing costs
- Decision support for operational changes based on process, base unit of energy usage, reactor bottoms, and the like.

Enhanced quality
- Process analysis for process modeling in order to optimize quality
- Process control
- Operation analysis, such as comparison with past performance

Efficient recall management
- Automatically created shift reports, daily reports, weekly reports, and monthly reports
- Shift recall management and automatic creation of shift reports

Efficient operation
- Alarm analysis and adjustments to reduce the frequency of alarms and operator process changes

Improved safety and environment
- Problem analysis

Process data collected and stored by PREXION can be easily used for a variety of jobs.

Various types of operational data can be easily examined and analyzed using the client software or spreadsheet program to allow instant feedback on the results to staff.

- Diagnosis creation by the user
- Analysis of trend graphs for early indication of abnormoty
- Analysis of historical data for process management
- Development of optimal conditions through real-time analysis
- Fast and precise operational data on one screen
- Fast comparison of past operational performance
- Management of the plant operation plan
- Scheduling of the plant operation plan
- Management of the plant operation plan with traceability
- Analysis of historical data for process management

Monitoring of operational performance

Monitor the status of the production system to ensure smooth operations. The current values can be monitored in real time, allowing for quick adjustments and improvements.