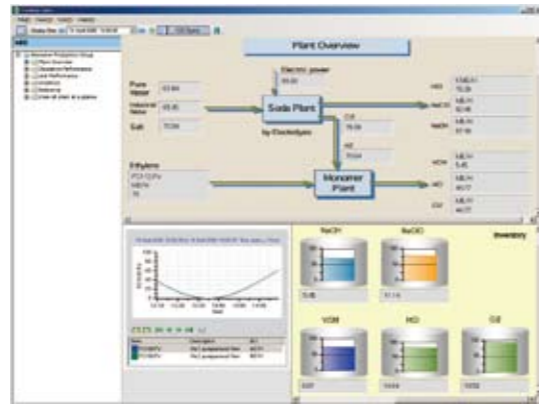
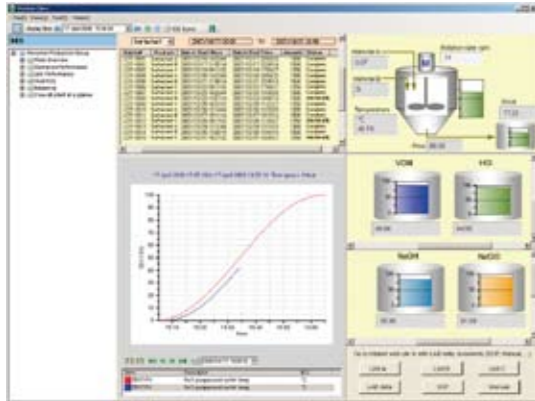


Display of factory operational status countrywide



Display of operational status and product stock at a chemical plant



Display of operational status at a batch plant

azbil

PREXION

Manufacturing Information Management System

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Azbil Corporation Advanced Automation Company

Yamatake Corporation changed its name to Azbil Corporation on April 1, 2012.

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1st Edition : issued in Jul. 2008-O
: issued in Mar. 2013-O

PREXION™ : fast visualization of plant operation performance

PREXION accurately indicate 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 event 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 use process data collected by PREXION for efficient work. As a result, the people will accurately take quick decision making so that they can rapidly recognize operational performance, unit performance, and so on.

Reduced manufacturing costs

- Decision support for operational changes, based on yield, base unit of energy usage, catalyst deterioration, and the like.

Stable quality

- Process analysis for process modeling, in order to estimate quality data in real time
- Operational analysis, such as comparison with past response patterns

Efficient result management

- Automatic creation of shift reports, daily reports, weekly reports, and monthly reports
- Lot results management and automatic creation of lot reports

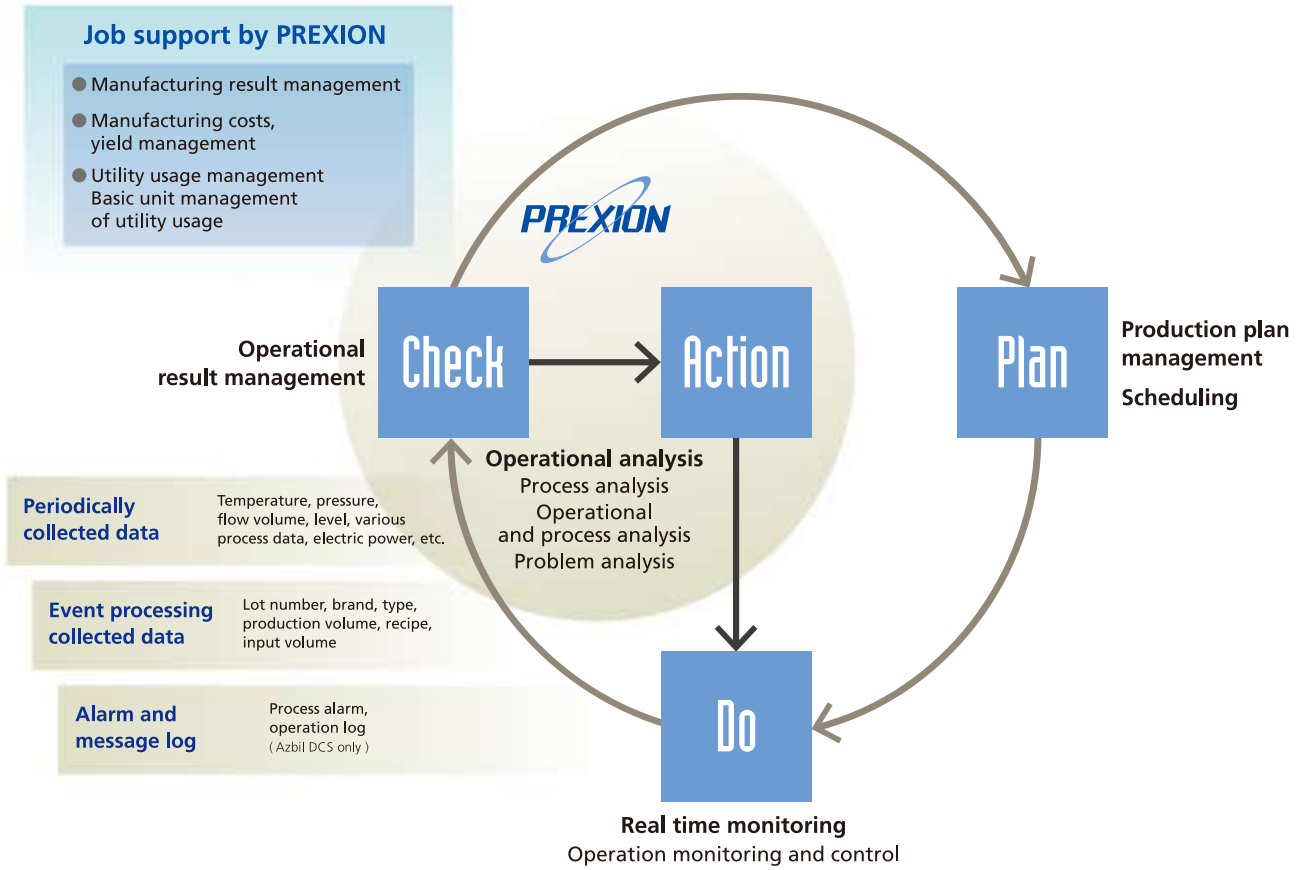
Efficient operations

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

Improved safety and environment

- Problem analysis

PREXION supports the "CA" of PDCA (Plan-Do-Check-Action) KAIZEN cycle.

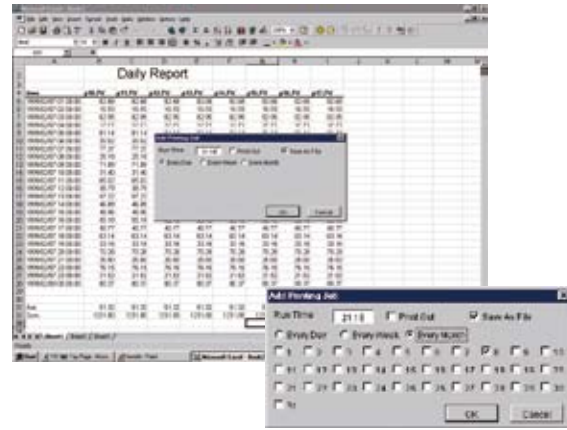


The manufacturing information you need, all on one page !

Batch#	Product	Batch Start Time	Batch End Time	Amount	Status
LPT-0001	Surfactant A	2007/10/17 14:22:54	2007/10/17 20:54:20	1300	Complete
LPT-0002	Surfactant B	2007/10/17 21:05:14	2007/10/17 22:05:14	1300	Complete
LPT-0003	Surfactant C	2007/10/19 09:11:32	2007/10/19 17:54:27	1750	Complete
LPT-0004	Surfactant A	2007/10/20 14:23:44	2007/10/20 20:54:20	1300	Complete
LPT-0005	Surfactant B	2007/10/21 21:05:14	2007/10/21 22:05:14	1300	Complete
LPT-0006	Surfactant C	2007/10/22 09:11:32	2007/10/22 17:54:27	1750	Complete
LPT-0007	Surfactant A	2007/10/23 14:23:44	2007/10/23 19:30:20	1300	Complete
LPT-0008	Surfactant B	2007/10/24 13:07:14	2007/10/24 15:05:14	1500	Abnormally
LPT-0009	Surfactant C	2007/10/25 10:22:32	2007/10/25 11:22:27	1250	Complete
LPT-0010	Surfactant A	2007/10/26 12:14:44	2007/10/26 12:20:20	1300	Complete
LPT-0011	Surfactant B	2007/10/27 18:11:14	2007/10/27 18:05:14	1500	Complete
LPT-0012	Surfactant C	2007/10/29 10:17:32	2007/10/29 11:20:27	1750	Abnormally
LPT-0013	Surfactant A	2007/10/29 12:14:44	2007/10/29 13:05:20	1300	Complete
LPT-0014	Surfactant B	2007/10/30 14:08:14	2007/10/30 15:05:14	1500	Complete
LPT-0015	Surfactant C	2007/10/31 16:27:32	2007/10/31 16:25:27	1250	Abnormally

Automatic report printing

Generated ledgers are periodically sent to the printer and stored to a file at a user-specified time.

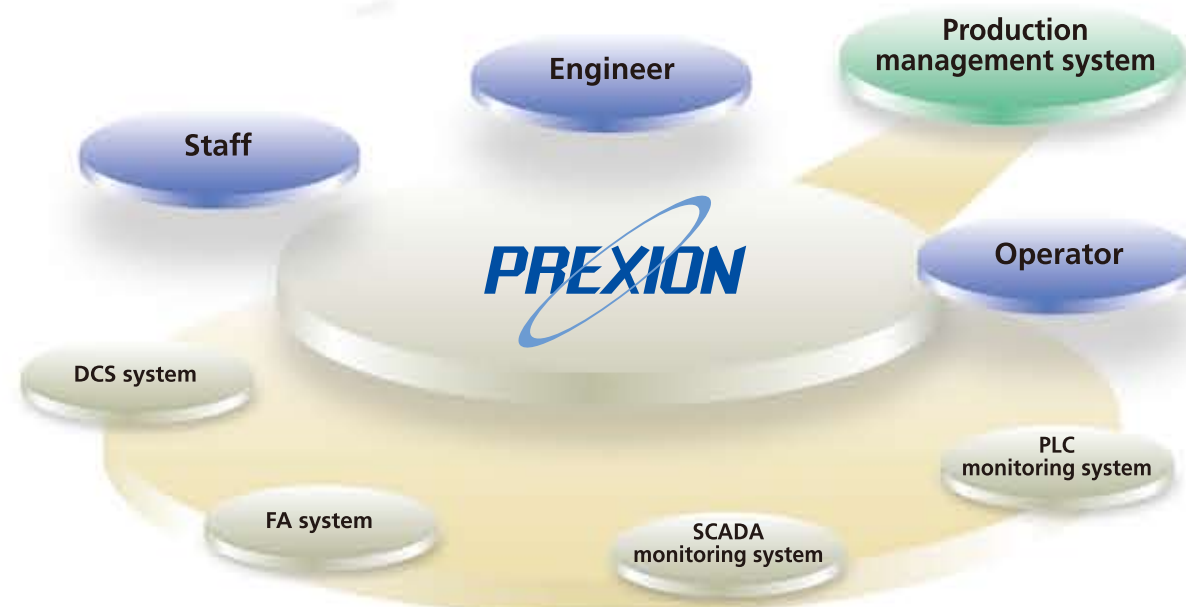
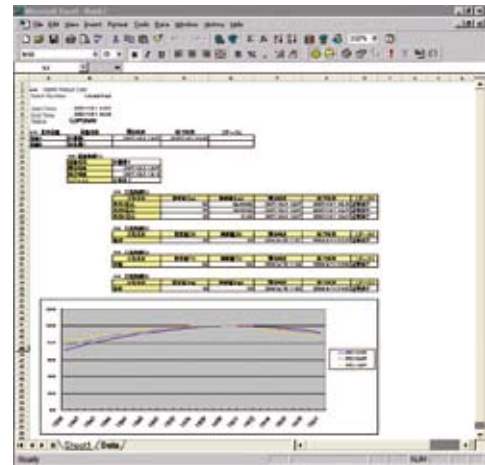


Process data collected and stored by PREXION can be easily used for a variety of jobs.

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

Lot results management, Lot reports

Lot results can be searched by brand, lot number, start time, end time, or any specified result. If you choose a lot from the searched lot list, the lot detail data is shown in the lot report on demand.



Operator

Automated lot reports

Manufacturing results data can be automatically collected for each lot number. The operator can create any desired format for lot reports using Excel.

Automated daily operation reports are also generated according to a user-specified format (easily created in Excel).

Engineer

Problem analysis support

Graphs showing alarm events together with operator process change events can be displayed. A memo-pasting function facilitates analysis while observing trends.

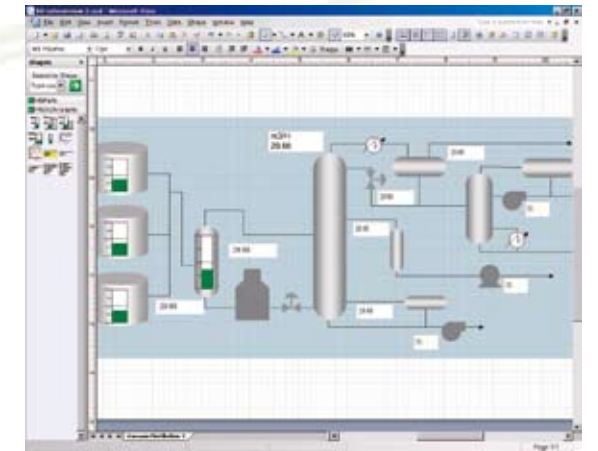
Staff

Monitoring of operational performance

By using the network function, needed data can be viewed on remote PCs. The operational performance can be monitored on trend or analysis screens.

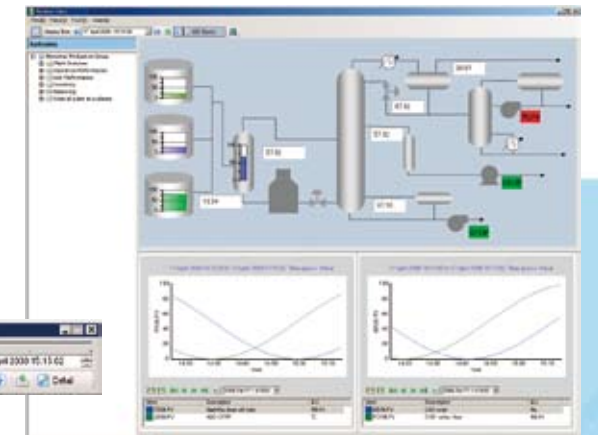
Diagrams creation by the user

Diagrams such as the one below can be created with Microsoft Office Visio without any knowledge of programming or Visual Basic.



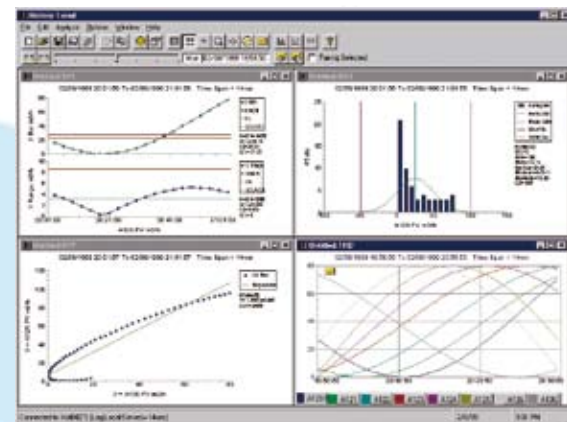
Replay of past operations

If an operation is off-specification or if some other problem occurs, the operational status for the past several hours can be replayed (fast-forwarded) in a few minutes, for fast determination of the cause.



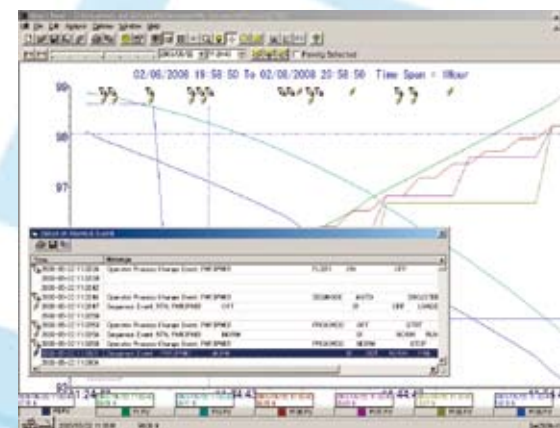
Convenient analysis tool

Display a histogram, X-Y correlation, or SPC control chart by simply selecting a tag on a graph and then dragging and dropping it onto the desired type of chart.



Linkage between graphs and event data

Operational data can be analyzed efficiently because trends and event data are linked.



By observing trend changes, events occurring during an operation can be confirmed at a glance.

- Process alarm
- Operator change
- System alarm
- Message
- System event
- Batch event
- Sequence event
- User-defined event

Past and present operational data on one screen

Easy comparison of a past optimum operation profile and the present profile on one screen.

*The present operation can be evaluated by comparing it with a past good operational status with the same tag.

