

Proficy Plant Application

MES / Execution



Execution systems are the "Go!" button for your plant.

Your Supply Chain has been managed; your enterprise resources have been planned; your orders have been scheduled. Now, all you have to do is deliver finished goods!

General Engineers Production Management Software gives you real-time information and control of your plant's performance by: taking orders from your business system, downloading instructions to production equipment and operators, sequencing production and making routing decisions, and communicating order status and material consumption information back to your business systems.

These powerful execution capabilities improve production operations by providing insight into how products actually flow through the plant, developing product genealogy reports and making scheduling changes to reduce excess inventory.

Improve operational efficiency by gaining knowledge and control over real-time production operations

- Reduce inventory costs
- Control the flow of product between equipment
- Manage and report on in-process inventories
- Integrate quality and production tracking to improve the accuracy of schedule execution

Generate more revenue by meeting customer demands and government regulations through product genealogy reports

- Track products and materials through their entire production lifecycle
- Quickly develop Certificate of Analysis (COA) reports
- Limit the scope of recalls and quarantines

- Provide faster response to customer issues

Proficy Plant Applications

If you seek the best return on investment in efficiency, quality, production, and batch applications, then these solutions will give you clear insight into your operation. Efficiently manage and achieve peak performance with a unified, easy to configure "plant model" that automatically generates intelligent KPIs and monitors performance. Now, you can make real-time adjustments to keep your operation running smoothly and more productively.

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SAP NetWeaver



Proficy Batch Analysis

Off-the-shelf reporting and analysis applications that work with multi-vendor systems to improve overall consistency and quality in batch execution processes.



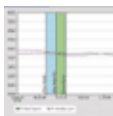
Proficy Efficiency

A module to identify and monitor all areas of manufacturing for inefficiencies - perform root cause analyses, historical data summaries, schedule reports and control overall equipment effectiveness (OEE).



Proficy Production

A system module to help oversee production operations including functions to control product flow between equipment, develop product genealogy reports and make schedule changes to reduce excess inventory.



Proficy Quality

The Plant Applications Quality module helps you increase product quality by lowering waste, reducing scrap and significantly lowering product recall costs.

Efficiency module

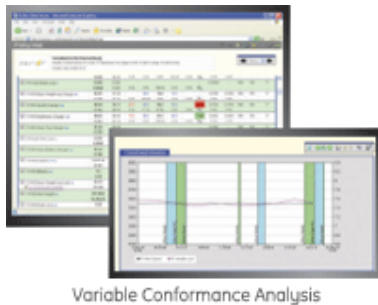


One of the most effective ways for manufacturers to keep costs low is to closely monitor and tightly control overall equipment effectiveness (OEE). The Efficiency module provides a comprehensive view of key factors including equipment downtime, waste and quantity and event sequences. Ideal for managers who want detailed, real-time reporting so they can increase production throughput without adding equipment, people and materials.

Benefits

- Identify and improve areas that are causing operational inefficiencies
- Curious
- Perform root cause analyses to make data-driven decisions on capital expenditure and process improvement investments
- Manage production operations in real time through comprehensive reporting

Quality Module



The Quality module helps you increase product quality by lowering waste, reducing scrap and significantly lowering product recall costs. The application supports consistent product quality levels throughout your operations, helping to improve your production while increasing your customer satisfaction rates. It is an ideal solution for manufacturers launching Six Sigma and other process improvement initiatives.

Benefits

Improve the quality and consistency of products and processes

- Define product specifications and recipes that are required for quality production
- Capture reasons for out-of-spec conditions
- Integrate process and laboratory data
- Trend and analyze quality data across shifts, work cells and products to identify the root cause in problem areas

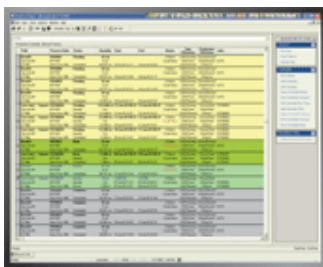
Lower costs of production by reducing waste and rejects

- Reduce rejects and downgrades
- Reduce customer complaints and returns
- Speed compliance with ISO, 21 CFR Part 11 and other internal and external requirements

Maintain consistent, high quality production through real-time monitoring and visibility

- Create ad-hoc quality reports to address quality issues based on performance improvement and Six Sigma methodologies
- Calculate quality KPIs and publish them to the web
- Notify and alert personnel to out-of-spec conditions

Production Module



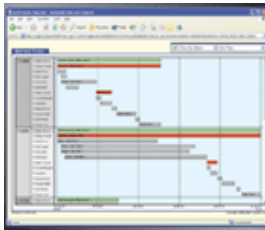
Real-time Interactive Schedule View

Meeting customer demands and government regulations requires knowledge and control over the real-time operation of your production. Production module shows you how products flow through your plant so you can improve schedule execution accuracy and manage in-process inventory. Genealogy reports and real-time tracking will help to make your plant operations more responsive so you can keep closer tabs between your orders and production output.

Benefits

- Improve operational efficiency by gaining knowledge and control over real-time production operations
- Generate more revenue by meeting customer demands and government regulations through product genealogy reports

Batch Analysis Module



Batch Timeline

To increase overall quality and consistency, manufactures must understand and control variations in their batches. These powerful tools offer standard interfaces that work with your existing system to provide a comprehensive picture of your operation. With key metrics and trend related parameters across batches, you will have the data in hand to make improvements. Plus, you can extend your capabilities with other Proficy components as your business grows.

Benefits

- Increase quality and consistency of batch operations and reduce variability
- Compare cycle times, parameters and variables across batches
- Report and summarize batch data in support of improvement initiatives
- Leverage both new and existing batch systems through standard interfaces
- Combine quality, production tracking and other core manufacturing functions with batch operations providing a complete picture of plant operations