

MVC™



Advanced Process Control Software to Achieve Optimal Economic Operation

Combining World Class Software with Unique Industry Experience to Improve Plant Profitability.

Product Overview

Kn³™ MVC advanced process control (APC) software responds quickly to varying conditions, and accurately controls process plants. It helps manage unscheduled plant maintenance and emergency replacement, environmental compliance, changes in weather and seasonal variations, differences in operating practices between shifts, feed quality and composition variability to name a few. Using advanced technologies, solutions and strategies, GE Energy's MVC software help manage production rates and product quality, providing a way to maintain higher levels of plant performance.

MVC is a hybrid of process dynamics, thermodynamics, physical-chemical models and operating economics that handles complex processes exhibiting wide variability and unsteady-state operations. Think of MVC when you think about Performance optimization, stable operations, and energy savings.

Benefits

- Maximized plant profitability
- Reduced process variability
- Better product quality
- Environmental compliance
- Reduction in raw materials and energy consumption
- Consistent operations
- Payback typically in less than six months



Features

- Multivariable model predictive control
- Predictive constraint control
- Nonlinear models
- Inferential models
- Nonlinear level control
- Handles multiple operating modes
- Robust system
- Bumpless transfer
- MS Windows based online software and tools

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