

# Wonderware Prometheus

**Centralized configuration and management delivers re-use, standardization, transparency and simplicity to maximize asset performance**

Managing control strategies, code and standards across many PLC's and SCADA/HMI systems is a huge challenge and a heavy burden for any organization. Prometheus is the industry's first universal configuration solution that defines, programs and documents your control code into all your control systems from the HMI to your PLCs and I/O.

Prometheus gives you an extraordinary, high-level programming environment that automates complex configuration tasks and enables you to configure all of your control components, regardless of type or vendor brand.

If you are looking for the shortest, most economical route to the big-time benefits of Advanced Configuration and Management of Industrial Control Systems, you have found it.

## The Wonderware Prometheus Difference

By removing the complexity and the tedious burden of updating multiple applications, Prometheus drives greater agility across your automation and control systems to ensure that your plants run the most efficient and up-to-date processes.

### In a Nutshell

- + **Dramatically reduces complexity of control design.** A core fundamental feature of Prometheus is to abstract the complexity of the control system without compromising functionality. By creating reusable and validated templates, the interface between all the elements deployed to the target environments are automatically created, updated and maintained by Prometheus. These multiple complex relationships are managed in real time over the multiple disparate components of the control system thereby greatly simplifying the engineering effort needed to implement control system changes and projects.
- + **Greatly reduces startup and deployment times, costs and expertise required.** Prometheus defines your process without ambiguity from single controller projects to large scale projects distributed across multiple controllers (PLC, RTU, IoT devices and Supervisory applications) and multiple vendors. This reduces the risk and cost associated with developing,

testing, commissioning and maintaining control systems and lowers the total cost of ownership of automation across the lifecycle.

- + **Centralizes standards management regardless of target device or vendor.** Prometheus enables engineering groups to develop standardized templates and libraries using economical, general purpose computers, and then scale up over time as your configured code is deployed to specific devices, wherever you have them: locally, regionally or globally across your entire organization.
- + **Makes changes easy and more manageable to help you improve asset performance and working life.** Prometheus uses change impact analysis combined with process state monitoring to synchronize change propagation across all components of a running control system. Seamless live synchronization of all components enables incremental improvement to operational assets in real-time. This runtime synchronization enables immediate asset performance improvements without needing to wait for scheduled major project upgrade or scheduled maintenance shutdown. Seamless end to end lifecycle management can only occur when all aspects of a control system are configured as one system regardless of vendor, from the sensor instrumentation device up to business corporate systems that rely on the

process data.

- + **Captures and documents your control strategies to share knowledge amongst team members and reduce risk during employee transition.** Prometheus also abstracts the complexity of the target platform, thereby not requiring the user to be proficient in Allen-Bradley, Modicon, Siemens or Raspberry Pi etc and lets you employ a broader range of resources.

## Prometheus delivers benefits to everyone on the control team

*Wonderware Prometheus is a fantastic way to provide End Users, System Integrators, Solution Builders and OEMs with a value added solution to help them make the most of the system's capabilities.*

Prometheus structures and simplifies the entire development process, delivering benefits to everyone on the control team.

For the operations team, Prometheus delivers total transparency and visibility with simulation and an online view of executing logic to provide you with total control and keep the process running; no more jumping wires in the cabinet or forcing values in the controller. With real time process monitoring during change deployment, Prometheus makes it possible to implement process improvements to the controller safely and without disruption.

Your control code is developed inside Prometheus, independent of the target device, but is compiled by the vendor's original software to ensure compliance and validation, and also download to the target device. This approach gives you the best of all worlds: device-agnostic development, management, standards compliance, while leveraging the unique features of every platform in your operation and using the vendor's own tools to ensure compatibility.

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## Timely Decision Making

Prometheus has a multi user framework which provides all engineering disciplines with visibility into the project, to ensure

early identification of issues and support timely decision-making.

## Workflows improve rigor and validation

Workflows in Prometheus are flexible as each control asset is built as a modular component; work can start at the top with the process definition or at the bottom with the I/O. Prometheus highlights incomplete work so you are assured of no loose ends, and with low fidelity simulation built in, testing and validation is easy.

## Vendor Neutral

Prometheus is vendor neutral and platform independent with code libraries that support intelligent plug and socket assembly. It eliminates the burden for you to have experts on staff to be proficient in Allen-Bradley, Modicon, Siemens or Raspberry Pi etc. This gives you even more benefits including:

- + Projects are implemented much faster
- + Process plant and business improvements can be sourced from a diverse range of disciplines – engineering resources no longer have to be PLC literate
- + Minimizes the need for specific multi-vendor experience and lets you employ a broader range of resources
- + No experience is required to translate improvements across different control systems

*"The ability to leverage time spent in hardware development to lessen the development time necessary in your software environment is very powerful. Engineering reuse has always been a major focus of Wonderware software, and this looks to increase that ability to a whole new level."*

Water Company, SCADA Manager

## Excellence is a purpose we share with our customers

Wonderware is committed to being your long-term automation partner, backed by a world-class global network of technical support personnel, distributors, system integrators and VAR/OEMs, ready to assist you in every corner of the world.

To empower your operations, visit [wonderware.com](http://wonderware.com)