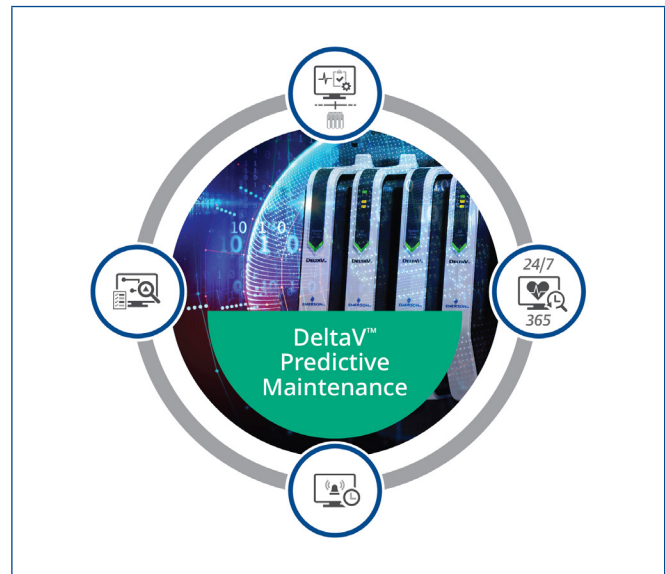


DeltaV™ Predictive Maintenance

- Increase awareness of system diagnostics
- Accelerate response time to system events
- Reduce dependence on manual tasks
- Achieve continuous monitoring



Proactively maintain the health of your control system assets with Emerson's DeltaV™ Predictive Maintenance.

Introduction

Manufacturing sites have historically emphasized asset management of their process assets over that of their automation system assets. Often, sites do not have the personnel, technical skills, or the time to effectively monitor their automation system assets. The result is manufacturing sites react to system events rather than prevent them. This increases the labor required to maintain the assets and creates disruptions in the normal workflow.

The DeltaV™ Predictive Maintenance software automatically checks important health information of DeltaV system assets such as controllers, servers, workstations, SIS controllers, switches, firewalls, DeltaV Virtualization infrastructure, CIOCs, UPSs, and non-DCS servers and workstations. The solution sends notifications to system owner when observed health parameters are outside of expected normal operating ranges.

Predictive Maintenance works 24x7x365 with the goal of diagnosing these critically important health warnings before they escalate into problems — potentially leading to a process disruption. Tailored recommendations eliminate the troubleshooting normally required for system diagnostics. Actionable Alerts enable collaboration between local service experts and site maintenance personnel to ensure corrective action is taken to address the root cause of any problem detected.

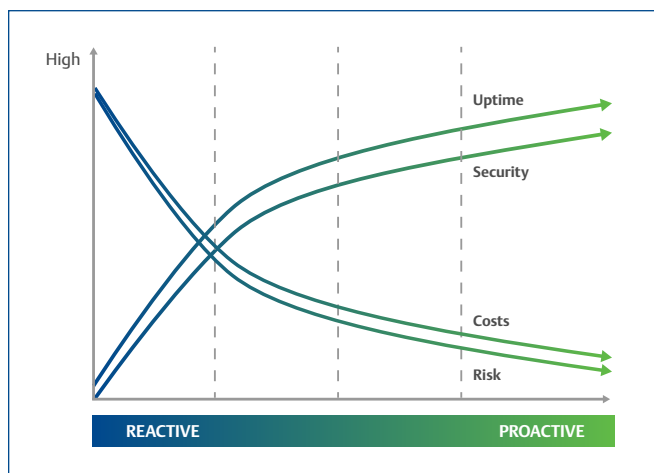
DeltaV Predictive Maintenance puts you in the driver's seat to centralize monitoring of your control system's assets. An on-premises dashboard integrates system diagnostics into a single-pane-of-glass. Shift your system maintenance from reactive to proactive: Continuous and automated health monitoring helps you realize optimal system performance through increased awareness and accelerated response time.

Benefits

Increase awareness of system diagnostics: Even a small control system has hundreds of diagnostic parameters relating to individual components, software, and hardware. Additionally, these diagnostics come from disparate sources and require various applications and interfaces. Consolidating these diagnostics into a single-pane-of-glass allows the DeltaV System administrator to achieve awareness, identify anomalies, and realize optimal system performance.

Accelerate response time to system events: Experience earlier issue detection and quicker resolution, resulting in reduced equipment failures, data loss and downtime.

Reduce dependence on manual tasks: Predictive Maintenance automates vital measurements of system performance and diagnostics. By delegating manual monitoring of a system’s health parameters to Emerson’s automated DeltaV Predictive Maintenance, site resources can focus on delivering quality product and bottom-line results. Spend less time reacting to system issues, and more time focusing on process management and operations. Achieve a proactive maintenance strategy and gain productivity by leveraging the power of automation.



Shift your system health posture from reactive to proactive.

Achieve continuous monitoring: Periodic, manual health checks frequently miss anomalies and abnormal events. These underlying health warnings could lead to a system disruption if left unmitigated. But automated and continuous diagnostic analysis captures these intermittent issues. The DeltaV Predictive Maintenance connects the right information with the right expertise at the right time. Rest assured that your system diagnostics are being analyzed all day, every day.

Software Description



The DeltaV Predictive Maintenance process.

Online monitoring of critical system assets: Hundreds of health checks are repeatedly and automatically performed on control system assets such as controllers, DCS servers and workstations, SIS controllers, switches, firewalls, DeltaV Virtualization infrastructure, CIOCs, UPSs, and non-DCS servers and workstations.

The continuous online monitoring enables customers to quickly detect, diagnose and provide timely resolution of system health warnings.

Operational Requirements

DeltaV DCS version v14.LTS (Win 10/ Server 2016) or above is required.

License Metric

Product is licensed based on the DeltaV system content as captured by the System Registration Utility for each system.

License Term

DeltaV Predictive Maintenance software is a subscription offering with a term of 12 months which can be renewed for additional years. Subscription start date is determined based on the date the license was generated or 60 days after the order was placed, whichever is earlier.

Software Support

Standard Basic support including 24X7 call support, hotfixes, minor updates to the software are included.

Ordering Information

Description	Model Number
Predictive Maintenance Subscription	Please Contact Your Local Emerson Sales Office

System availability can be influenced by a variety of factors, and no product or service can guarantee full and continuous system availability. This software is one part of an overall strategy to improve system availability through earlier issue detection and proactive response. This software does not use predictive technology to prevent unplanned downtime; rather, this software captures system health warnings that could be indicative of a current problem. Emerson does not warrant that this software or the use of this software protects the DeltaV system from unplanned downtime or failed system components. Emerson shall not be liable for damages, non-performance, or delay.

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