

# PlantWeb® Services

## Structured Approach: PlantWeb Alert Strategy – IMPLEMENT



Emerson's well-developed PlantWeb Services offerings ensure you are supported every step of the way as you IMPLEMENT PlantWeb. You will get maximum value from your investment in predictive technologies.

- Improved operations and maintenance
- Optimized asset performance
- Predictive diagnostics, credible feedback
- Sending the right information to the right people at the right time
- Unlocking the value of PlantWeb

### The Goal

Ideally, in a plant with a digital PlantWeb architecture, predictive diagnostic alerts are configured and directed to the right personnel who know what actions to take well before any production impact. Operations should only receive information they can act on, such as real-time information on plant performance and asset health as well as real-time feedback on control actions. Maintenance needs to receive information that, not only assists with troubleshooting, but also enables a more effective approach to the planning of maintenance activities.

### The Dilemma

Unfortunately, not all users take advantage of predictive diagnostic alerts. Alerts may not be enabled, configured, prioritized, or sent to the right resources to take action.

The result is nuisance alerts, missing information, or both because of a lack of alignment with alert priority to operational significance or asset criticality. Also, many times the work culture has not integrated the use of PlantWeb predictive diagnostic alerts into work practices. The effect? Maintenance and operational impact that could be avoided.

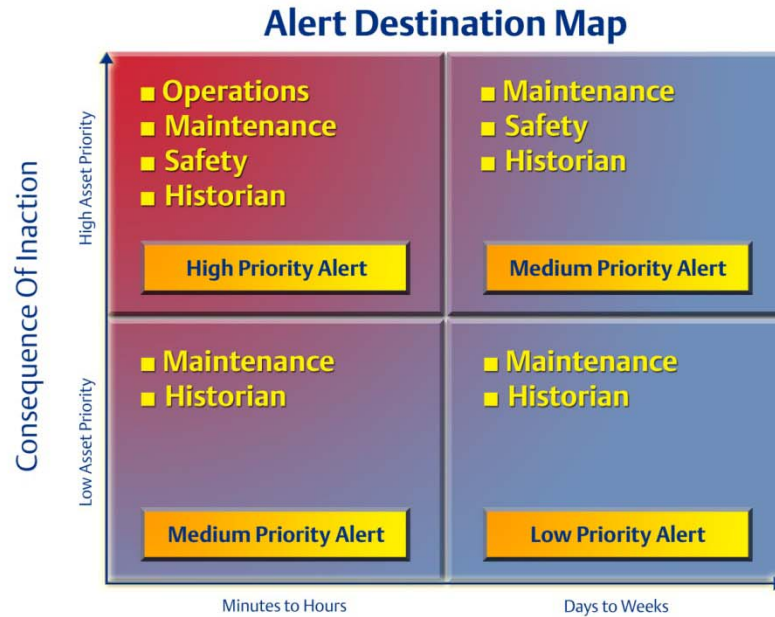
### The Solution

Operation and safety users are most concerned with situations needing rapid response. Maintenance and process optimization personnel desire feedback to proactively plan responses. Emerson's structured approach to define the PlantWeb alert strategy considers the consequence of inaction and the response time to avoid a process or safety impact.

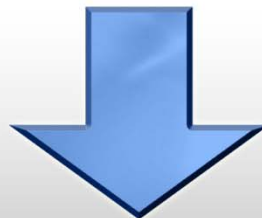
PlantWeb Services are designed to provide predictive intelligence to the right resources in your facility. Emerson's structured approach will develop a predictive alert strategy to address full utilization of predictive diagnostic capabilities. Deliverables include an optimized PlantWeb alert configuration, documentation, and training plans to optimize work practices and capture results.

By implementing the PlantWeb Alert Strategy, you will receive credible target settings that meet your strategic objectives and ensure that the right information gets to the right people and applications at the right time.

**PlantWeb Alerts Strategy – IMPLEMENT**  
*The Right Information to the Right People at the Right Time*



Time To Respond (Avoid Process/Safety Impact)



**Engineering**  
 Process Engineer  
 Control Engineer



- Root Cause Analysis
- Optimization

**Operations**  
 Operator  
 Unit Manager



- Process Problems
- Critical Early Warning Alerts
- Degraded Safety Performance Alerts

**Maintenance**  
 Asset Manager  
 Reliability Engineer



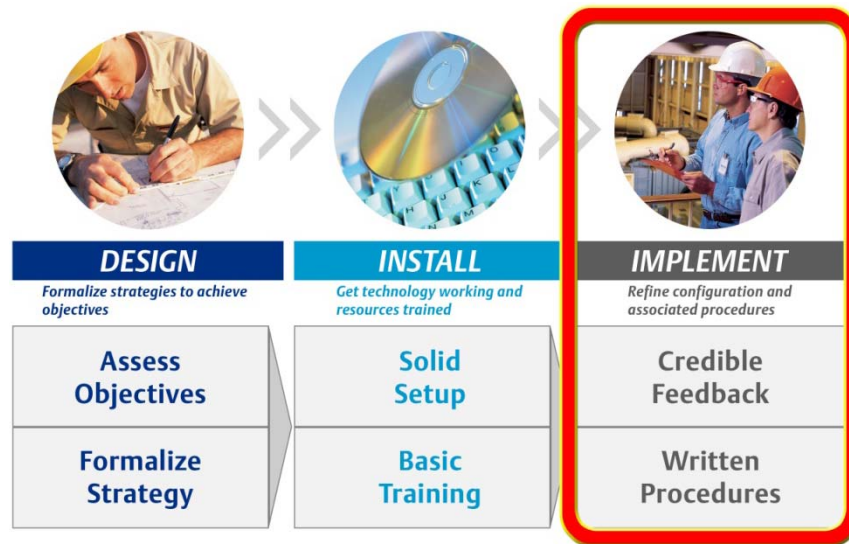
- Critical Early Warning Alerts
- Asset Health Advisory Alerts
- Degraded Safety Performance Alerts

**Safety**  
 Safety Professional  
 Safety Expert



- Degraded Safety Performance Alerts

**Structured Approach: PlantWeb Alert Strategy – IMPLEMENT**



**Service Description**

IMPLEMENT for PlantWeb Alerts is part of Emerson’s structured approach to implementing PlantWeb. This engagement will refine configuration and associated procedures in order to achieve required plant uptime and optimized performance for maximum operational benefits.

Emerson specialists configure PlantWeb Alerts reflecting operational significance and generate associated documentation to endorse adoption and comply with ISO 9000. IMPLEMENT activities are:

- **Project Kickoff/Level-of-Awareness (LOA) Event.** Establish common understanding of the project scope of work and methodology
- **Evaluate Work Flow Process.** Review and document current process, practices, and how information flows to data sources and systems
- **Analyze Device Alarms and Discuss Philosophy.** Analysis of current device alert configuration / behavior for nuisance conditions and discuss plant device alarm philosophy
- **Key Performance Indicator (KPI) Development.** Establish program goals and select KPIs
- **Asset Prioritization Analysis and Validation.** Prioritization of assets for mapping into the device alert “target” settings
- **Rationalize Device Alarms.** Per plant device alarm philosophy, rationalize device alarms for “target” device alarm settings in the DeltaV System™
- **Written Procedures.** Optimized procedures that communicate how to execute common tasks and alert handling / interpretation to fulfill ISO 9000 compliance
- **Strategy Blueprint.** Develop matrix for work task activities and periodicities; path forward optimization strategy
- **Align Organization.** Prepare organization in advance of executing configuration changes in AMS Device Manager™ and the DeltaV System
- **Optimize AMS Device Manager Database.** Configure and optimize alert settings
- **Configure DeltaV System and Execute Downloads.** Enable device alert “target” settings based upon strategy findings and organizational alignment, and execute downloads in coordination with plant personnel and established timeline
- **Review Written Procedures.** Mentoring session with maintenance and operations for written procedures
- **Link Documents into AMS Device Manager.** Link work procedures / practices and alert reference documentation to each asset within the database
- **IMPLEMENT Service Report.** Present project report to include summary of deliverables, findings, best practices, and path forward recommendation
- **Verify System Operation.** Confirm impact to plant’s financial bottom line by analyzing AMS Device Manager and DeltaV System data based on the goals/KPIs that were established

**PlantWeb Services Ordering Information**

Description	Model Number
PlantWeb Services	(Please consult local Emerson Process Management office for availability)

**PRE-SALE QUALIFICATION:** This service is available to Emerson end user customers only. A service request must be received, reviewed and a written proposal issued by the Emerson Process Management – Process System and Solutions' local service organization prior to order acceptance. This is a safeguard to ensure the customer requirements are clearly understood and that the necessary Emerson Process Management resources are available to deliver the agreed upon scope of work. Emerson Process Management reserves the right not to quote a particular project at any time.

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