Plant Messenger Inspect Reporting Service

Plant Messenger Inspect Reporting Service seamlessly delivers reports on the health of your control loops.

- Helps you keep tabs on the health of process equipment and instrumentation
- Filters based on plant area, process cell, or unit and notifies you of problem areas
- Delivers your configured reports via e-mail—no additional programming needed

Introduction

Plant Messenger is a suite of applications that work together seamlessly to support the exchange of data between Emerson Process Management applications and users and business systems within your enterprise. The Messenger suite consists of a user interface, a transaction handler, and a variety of Messenger service applications. Currently available services include:

- Messenger Alert Reporting Service
- Messenger Inspect Reporting Service
- Messenger Campaign Scheduling Service

DeltaV Inspect identifies and quantifies the following conditions and presents them graphically: loop utilization; bad, uncertain and limited measurement status; control limited; and abnormal process variability. This functionality, combined with an easy-to-use interface, ensures a finely tuned process that produces on-spec products at optimal cost.

Plant Messenger Inspect Reporting Service eliminates the need for the user to physically be at a DeltaV workstation to view Inspect data. With the Inspect Reporting Service, users can configure Inspect reports and have them delivered directly to their desktop even if their desktop is on the other side of the world.

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Benefits

Helps you keep tabs on the health of process equipment and instrumentation The Messenger Inspect Reporting Service disseminates DeltaV Inspect information to multiple users, allowing for review and analysis at their convenience. No programming skills are required to construct Inspect reports, enabling use by various plant personnel. Users configure and format the reports to their specific needs – reports contain only the information that user has requested, allowing the user to easily determine the status of the monitored equipment.

Filters based on plant area, process cell, or unit and notifies you of problem areas. Messenger Inspect Reporting provides the appropriate filter depending on what you want to see. It sends alert information by plant area, process cell, unit, alert type, or any classification you specify. You can even filter based on recipients' on/off duty statuses. The USER decides the scope of the report. It can cover anything from a single unit to an entire plant or anything in between. In addition, the user can specify what types of problems they're interested in receiving information on (e.g. incorrect mode, large variability, limited control, uncertain input). Users are allowed to create a wide variety of reports to address very specific needs (e.g. the status of a specific operating unit).

Delivers reports via e-mail or directory specifications—no additional programming needed. Messenger Inspect Reporting provides integrated support for report delivery to users via e-mail or XML data file.

Plant Messenger is based on the Microsoft.net framework and uses web services and XML-based data exchange allowing you to interact with your automation system easily. Messenger powerfully enhances your current technology keeping you informed by delivering the right information to the right user at the right time.

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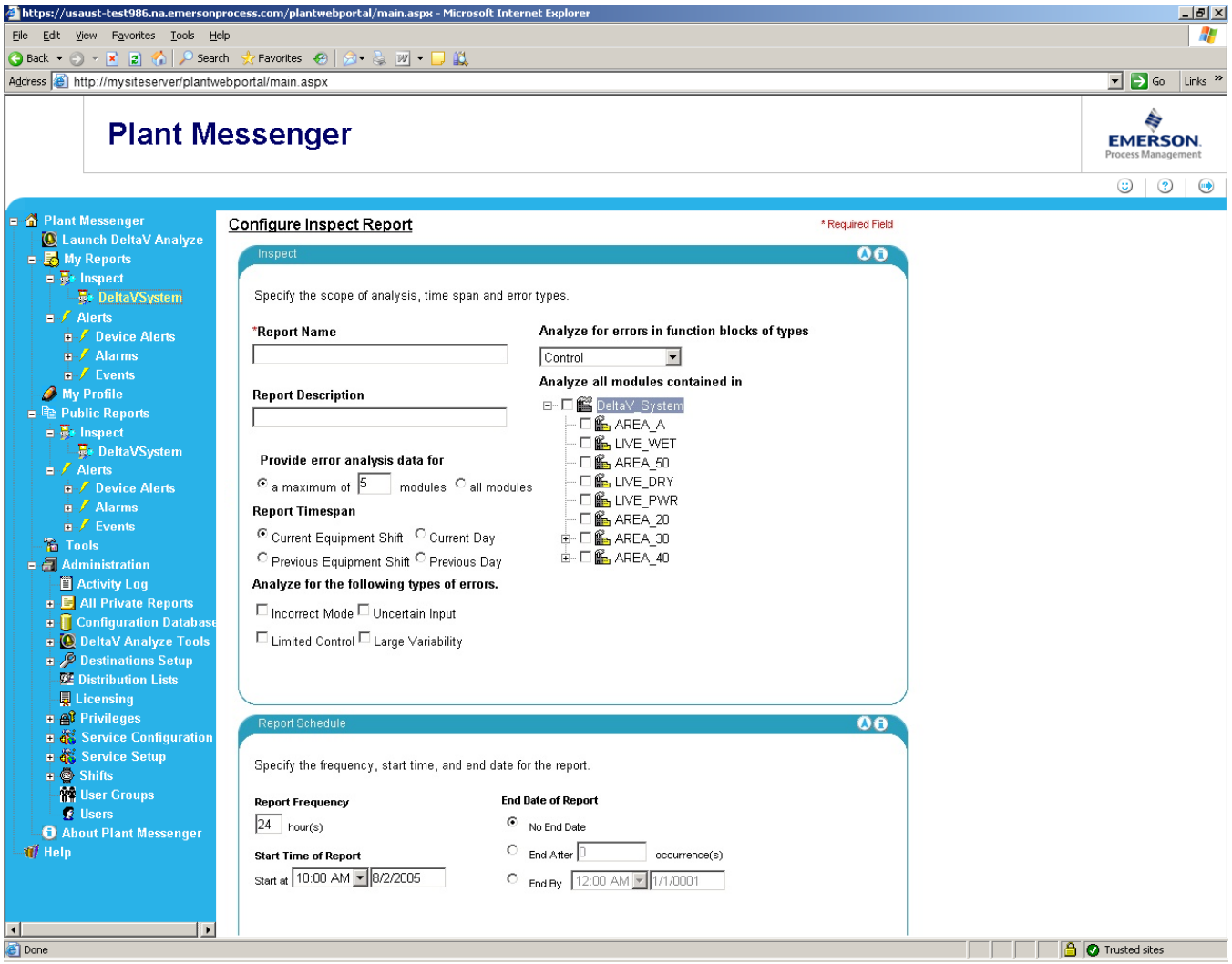
Messenger Inspect Report Configuration



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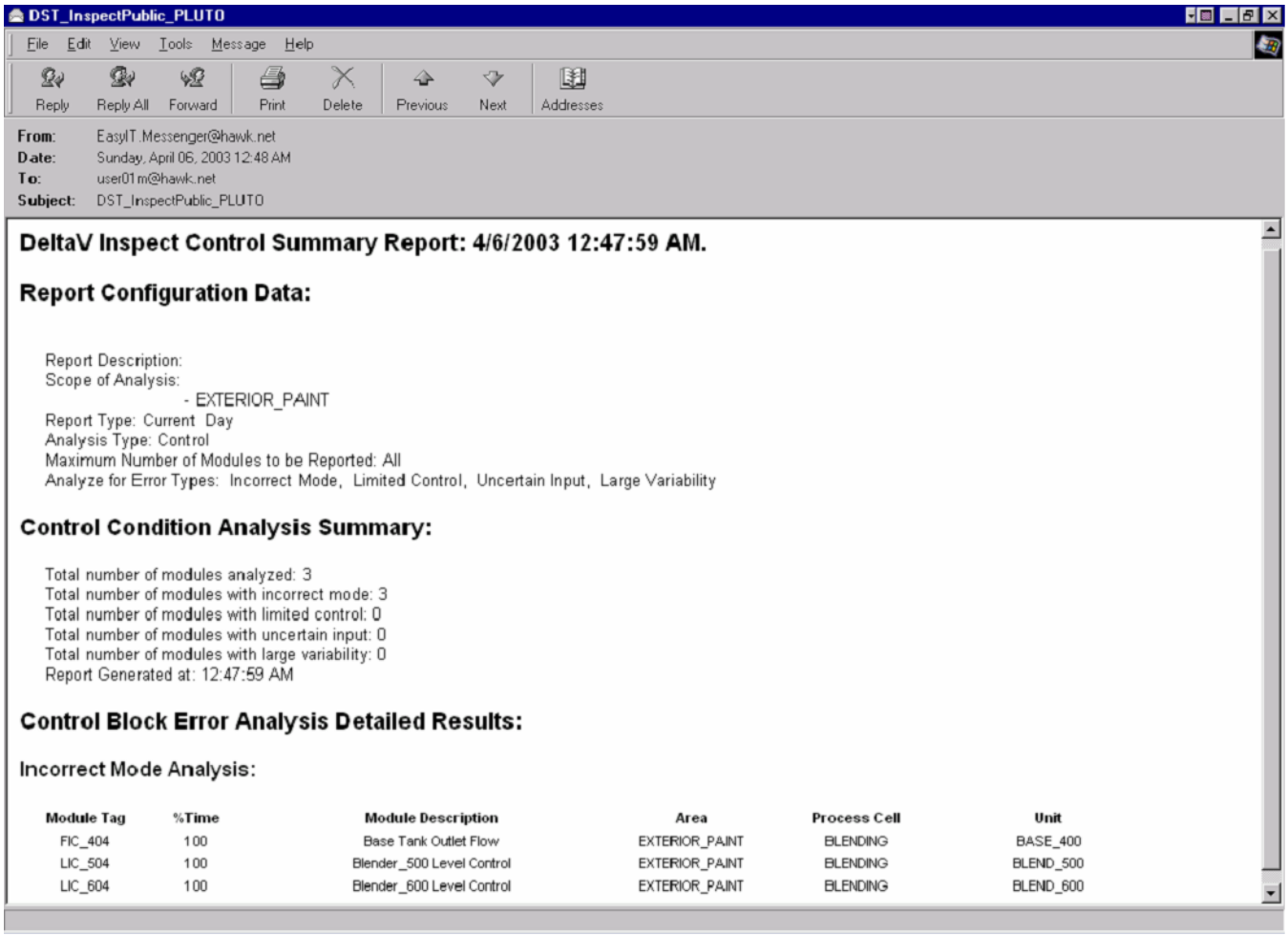
Sample Inspect Summary Report



DST_InspectPublic_PLUTO

File Edit View Tools Message Help

Reply Reply All Forward Print Delete Previous Next Addresses

From: EasyIT.Messenger@hawk.net
Date: Sunday, April 06, 2003 12:48 AM
To: user01m@hawk.net
Subject: DST_InspectPublic_PLUTO

DeltaV Inspect Control Summary Report: 4/6/2003 12:47:59 AM.

Report Configuration Data:

Report Description:
Scope of Analysis:
- EXTERIOR_PAINT
Report Type: Current Day
Analysis Type: Control
Maximum Number of Modules to be Reported: All
Analyze for Error Types: Incorrect Mode, Limited Control, Uncertain Input, Large Variability

Control Condition Analysis Summary:

Total number of modules analyzed: 3
Total number of modules with incorrect mode: 3
Total number of modules with limited control: 0
Total number of modules with uncertain input: 0
Total number of modules with large variability: 0
Report Generated at: 12:47:59 AM

Control Block Error Analysis Detailed Results:

Incorrect Mode Analysis:

Module Tag	%Time	Module Description	Area	Process Cell	Unit
FIC_404	100	Base Tank Outlet Flow	EXTERIOR_PAINT	BLENDING	BASE_400
LIC_504	100	Blender_500 Level Control	EXTERIOR_PAINT	BLENDING	BLEND_500
LIC_604	100	Blender_600 Level Control	EXTERIOR_PAINT	BLENDING	BLEND_600

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Ordering Information

Description	Model Number
Plant Messenger for use with the Windows 2000 Server or the Windows Server 2003 operating system	VF1011
Plant Messenger for use with Windows XP Professional operating system	VF1012
Messenger Inspect Reporting Service	VF1014

Prerequisites

- The Plant Messenger license
- The Plant Messenger Inspect Reporting Service is compatible with DeltaV systems revision v6.3.2, v7.2 or later

System Requirements

- Server class PC with Intel Pentium 4 1.4 GHz processor having 1 GB physical memory, a 40 GB hard drive, 1 or more Ethernet cards depending on system architecture, and either the Windows 2000 Server operating system (Service Pack 3 or later) or the Windows Server 2003 operating system.
- As an alternative to the Server Class PC identified above, a Workstation class PC with Intel Pentium 4 1.4 GHz processor having 1 GB physical memory, a 40 GB hard drive, 1 or more Ethernet cards depending on system architecture, and the Windows XP operating system with Service Pack 1 or later. Note that when Plant Messenger is installed on a PC running the Windows XP operating system, only a single component service may be enabled, and that component service will be limited to communicating with a single DeltaV system.
- For e-mail report delivery, a connection to an e-mail server that supports SMTP based e-mail delivery is required.
- For paging, a connection to a SNPP server or a SMTP e-mail server is required. The SNPP server is the preferred mechanism for sending pages. Pagers, phones, and PDA's that are to receive Plant Messenger reports via a SNPP or SMTP server must support text messaging.
- **Note: Messenger cannot be installed on a node on which the DeltaV software has been installed.**

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