

# **CDPM REPORTING APPLICATION**

## **User's Guide**



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# Introduction

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Welcome to the CDPM Reporting Application! This guide will help you to have a better understanding of this program.

With this application you will be able to run inquiries on the Internet for reports with the results of the Monitoring Services performed by Flowserve®

## What is CDPM?

Flowserve's Condition Data Point Monitoring program expands data point collection from typical vibration analysis to include other factors, which can lead to premature failure. All data collected can be analyzed and trended using the best technology available. Changes in the trends indicate possible failure or a situation that, if not corrected, could lead to failure and expensive downtime.

Flowserve Flow Solutions Division (FSD) has partnered with RA Entek® for data monitoring and analysis. This partnership brings the global rotating equipment and reliability experience of Flowserve together with the global vibration monitoring and analysis expertise of RA Entek® into one comprehensive package.

# Getting Started

Before you start using the CDPM Reporting Application make sure that you have the required Hardware and Software.

## System Requirements

- An IBM PC or equivalent computer with a Pentium 133 MHz or higher processor
- VGA or higher resolution monitor
- At least 64 MB of RAM
- Internet Explorer® 5 or higher; Netscape® 6 or higher
- Adobe Acrobat Reader® 4 or higher
- Your computer needs to have Internet access

To access the CDMP program go to the following URL in your Internet browser:

<http://www.flowserve-cdpm.com>

This will direct you to the CDPM index page.

# Security

The index page of the CDPM program will prompt you for your user and password.

## Login to the Application



You should receive your User ID and Password by email. If have not received one please contact the [CDPM administrator](#) in your company.

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### Condition Monitoring

Flowserve CDPM™

#### Condition Data Point Monitoring Program

Using proactive maintenance techniques to solve common rotating equipment problems

Flowserve's Condition Data Point Monitoring program expands data point collection from typical vibration analysis to include other factors, which can lead to premature failure. All data collected can be analyzed and trended using the best technology available. Changes in the trends indicate possible failure or a situation that, if not corrected, could lead to failure and expensive down-time.

**The team with the tools and talent**

Flowserve Flow Solutions Division (FSD) has partnered with RA Entek for data monitoring and analysis. This partnership brings the global rotating equipment and reliability experience of Flowserve together with the global vibration monitoring and analysis expertise of RA Entek into one comprehensive package.

Contact us at [FSD\\_CDPMinfo@flowserve.com](mailto:FSD_CDPMinfo@flowserve.com)

You are Visitor Number: 1 1 0 7

User:

Password:

Login

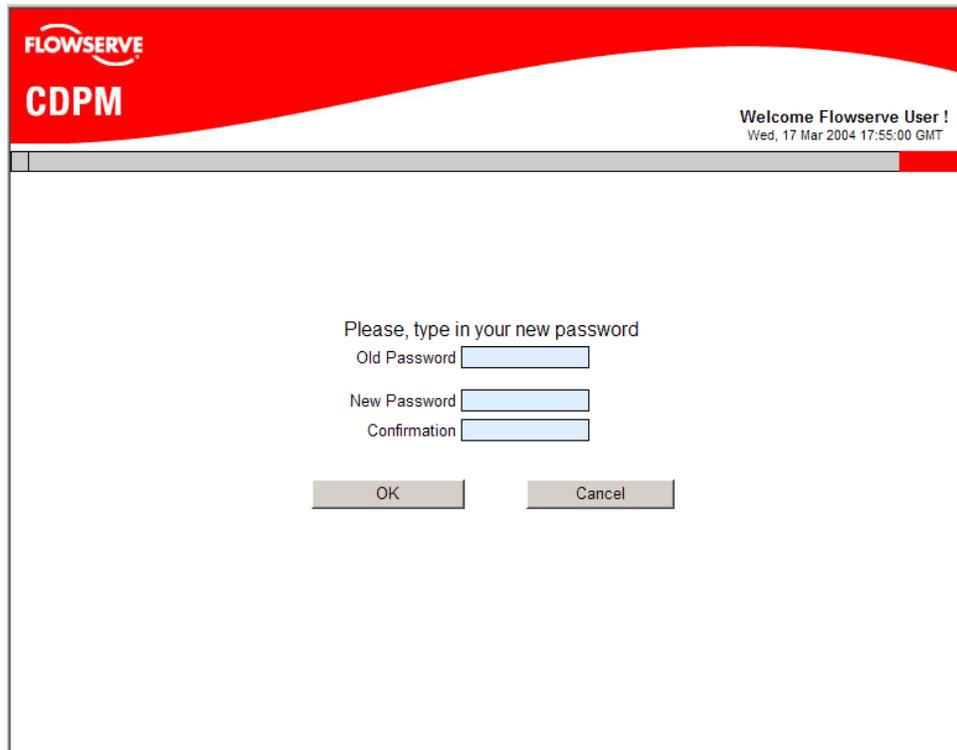
Login Area

Type in your User ID and Password then click on the *Login* button.



The User ID and Password are case sensitive.

If you are a first time user, the application will prompt you for a new password and confirmation. You will be asked to type in your old (temporary) password.



The screenshot shows a web application interface for CDPM. At the top left is the FLOWSERVE logo and the text 'CDPM'. At the top right, it says 'Welcome Flowserve User !' and 'Wed, 17 Mar 2004 17:55:00 GMT'. The main content area contains a dialog box with the following text and fields:

Please, type in your new password

Old Password

New Password

Confirmation

At the bottom of the dialog box are two buttons: 'OK' and 'Cancel'.



Your new password must contain Letters and at least one Numeric character.

## Your Password has an expiration date



Your password will expire 180 calendar days after you change it. You will start receiving notifications every time you login 45 calendar days prior to your expiration date. You will have the option to change it later on every notification until you actually make the change.

## Did you forget your password?



Please contact the [CDPM administrator](#) in your company to request your password to be reset. Later you will receive by email your new temporary password, and you will be asked to change it when you login again.

# User Profiles

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Every user has a profile assigned, upon this profile the access to the application options and the reports will be granted.

The Profiles are:

## Customer Super User

This user will have access to the reports for one Company for all its locations.

## Customer User

Access to the reports for one Company for one location

# Processes

After you have logged into the application the Option menu is presented. The menu is available at all times and you can go to another option at any time.

## Reports Inquiry



This option is available to all users. For a Customer profile user only the reports for his location will be displayed.

Sort Columns

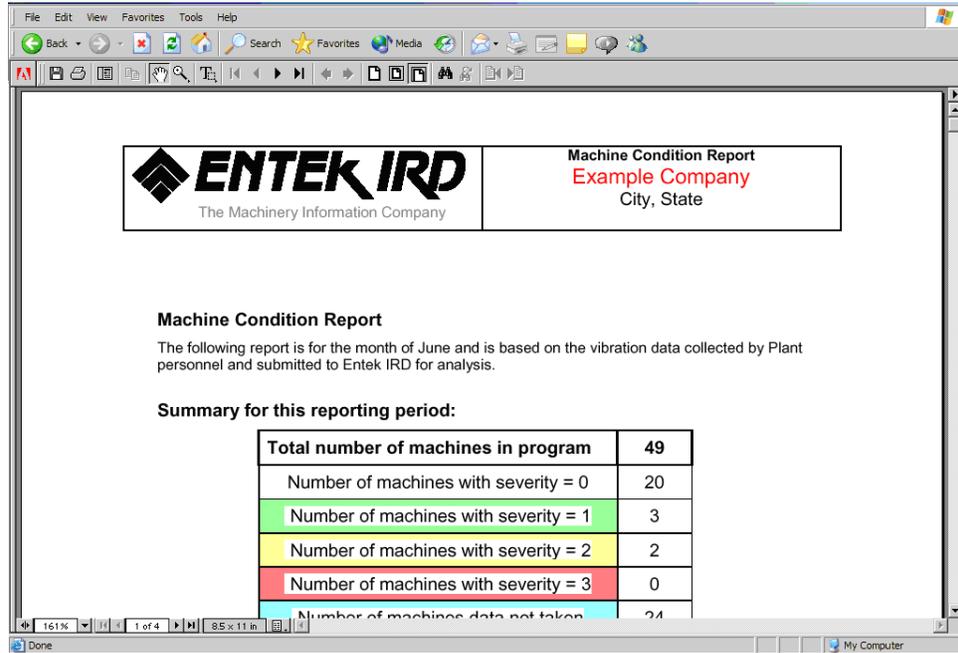
Report Selection

FLOWSERVE		CDPM				Lucite
		Lucite International		Welcome Patti Williams !		
		Thu, 18 Mar 2004 11:14:55 GMT				
Reports		Advanced Search		Customers		
Reports Management		User Management		Customer Management		
Logoff						
Reports Inquiry						
	Title	Date	Location	Area	Type	
	<a href="#">Machine Condition Report</a>	13Jan2004	Nederland	01	Alarm Summary	
	<a href="#">Machine Status</a>	13Jan2004	Nederland	01	Machine Summary	
	<a href="#">Machine Condition Report</a>	01Nov2003	Nederland	01	Alarm Summary	
	<a href="#">Machine Status</a>	01Nov2003	Nederland	01	Machine Summary	
	<a href="#">Machine Condition Report</a>	01Oct2003	Nederland	01	Alarm Summary	
	<a href="#">Machine Status</a>	01Oct2003	Nederland	01	Machine Summary	
	<a href="#">Machine Condition Report</a>	01Sep2003	Nederland	01	Alarm Summary	
	<a href="#">Machine Status</a>	01Sep2003	Nederland	01	Machine Summary	
	<a href="#">Machine Condition Report</a>	01Aug2003	Nederland	01	Alarm Summary	
	<a href="#">Machine Status</a>	01Aug2003	Nederland	01	Machine Summary	
	<a href="#">Machine Condition Report</a>	01Jul2003	Nederland	01	Alarm Summary	
	<a href="#">Machine Status</a>	01Jul2003	Nederland	01	Machine Summary	
	<a href="#">Machine Condition Report</a>	01Jun2003	Nederland	01	Alarm Summary	
	<a href="#">Machine Status</a>	01Jun2003	Nederland	01	Machine Summary	
	<a href="#">Machine Condition Report</a>	01May2003	Nederland	01	Alarm Summary	

The list will present the reports sorted by Date, defaulted to show the last 90 days (or last quarters) reports. You can change the sort by option by clicking on the column names.

To view the report you need to either click on the **PDF icon**  or on the **report title**. Your browser will prompt you to either Save or Open the PDF file.

If you choose to open the file, then the Report will be presented in a new browser window using Acrobat Reader.



## Advanced Search



This option is available to all users. For a Customer profile user, only the reports for his specific location will be displayed.

In this area you will have the option to look for a particular report or for a set of reports based on a selection criteria.

Selection Criteria

FLOWSERVE  
CDPM

Lucite  
International  
Going further

Welcome Patti Williams !  
Thu, 18 Mar 2004 12:14:40 GMT

Reports Advanced Search Customers Reports Management User Management Customer Management Logoff

Advanced Search

Title Location Date Range Text Search

From 20DEC2003 To 18MAR2004  Go

The selection criteria fields are:

- **Report Title**
- **Location.** This criterion will be disabled for Customer User Profiles because they belong to a particular location.
- **Report Date Range.** By default the last 90 days date range is filled, but you can change it.
- **Text** search for words within the report.



When using the TEXT SEARCH, remember to change the Date Range, otherwise only the reports added within the last 90 days will be displayed.

The list is presented empty. You must fill the selection criteria that you want to use, then click on the GO button



The selection will be done using the combination of the filled fields, i.e. the report data must meet ALL the conditions in order to be selected.



When using the key word search, remember to change the **Date Range** as well to view **all** the reports for a given company, otherwise the default date range will display only the last 90 days.

**For example:**

Based on the same list that we presented on the **Report Inquiry** List let's select all the *Machine Condition* reports for 2003. You will have to fill the selection criteria as follows:

The screenshot shows the FLOWSERVE CDPM Advanced Search interface. At the top, there is a red header with the FLOWSERVE logo and 'CDPM'. To the right, it says 'Lucite' and 'Welcome Patti Williams! Thu, 18 Mar 2004 12:31:15 GMT'. Below the header is a navigation menu with 'Reports', 'Advanced Search', 'Customers', 'Reports Management', 'User Management', 'Customer Management', and 'Logoff'. The 'Advanced Search' section is active, showing search criteria: Title (Machine Condition), Location (dropdown), Date Range (From 01Jan2003 to 31Dec2003), and Text Search (empty). A 'Go' button is at the bottom right of the search criteria.



For the date fields you can either type the date on a DDMMYYYY format or Click on the Calendar button to display a Calendar Control and select the date:



Once you've clicked on the Go button the following list will be presented:

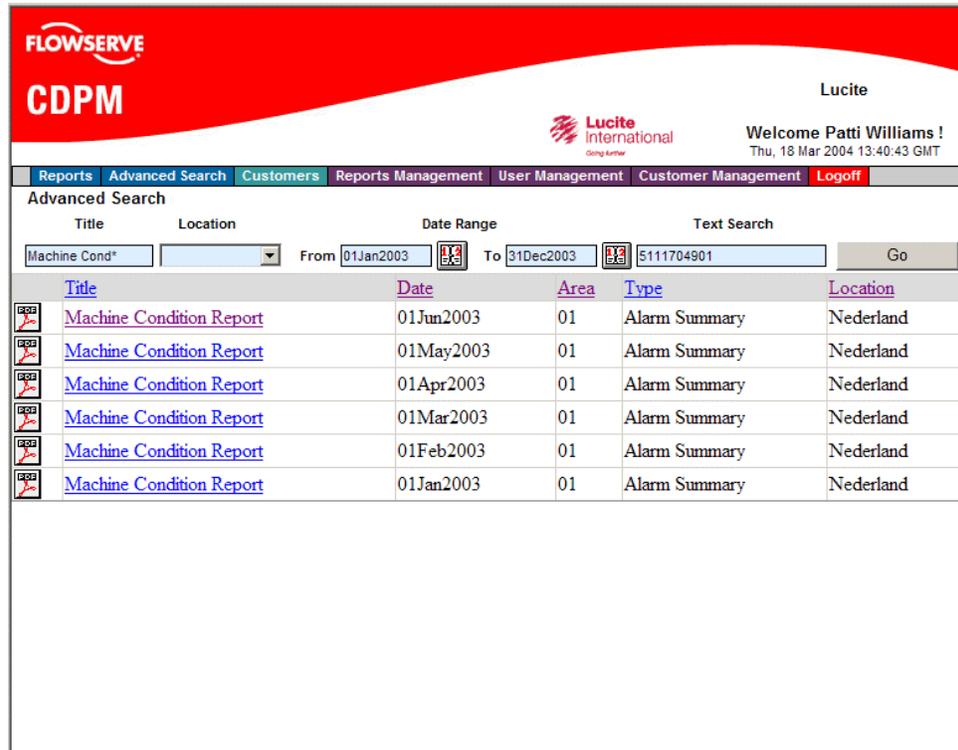
	Title	Date	Area	Type	Location
	<a href="#">Machine Condition Report</a>	01Nov2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Oct2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Sep2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Aug2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Jul2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Jun2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01May2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Apr2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Mar2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Feb2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Jan2003	01	Alarm Summary	Nederland



For the **Report Title** field you can use the “\*” wildcard if you don’t want to write the whole sentence. In this example we could use “**Machine Cond\***” in the Title criteria with the same result. The wildcard feature can only be applied to the **Title field**.

Now, let's narrow our search:

Using the **Text Search** criteria we will look for the reports that contain the word "5111704901" in their text



The screenshot shows the FLOWSERVE CDPM web application interface. At the top, there is a red header with the FLOWSERVE logo and 'CDPM' text. To the right, it says 'Lucite' and 'Welcome Patti Williams ! Thu, 18 Mar 2004 13:40:43 GMT'. Below the header is a navigation menu with items: Reports, Advanced Search, Customers, Reports Management, User Management, Customer Management, and Logoff. The main content area is titled 'Advanced Search' and contains a search form with fields for Title, Location, Date Range (From 01Jan2003 to 31Dec2003), and Text Search (5111704901). Below the search form is a table with the following data:

	<a href="#">Title</a>	<a href="#">Date</a>	<a href="#">Area</a>	<a href="#">Type</a>	<a href="#">Location</a>
	<a href="#">Machine Condition Report</a>	01Jun2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01May2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Apr2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Mar2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Feb2003	01	Alarm Summary	Nederland
	<a href="#">Machine Condition Report</a>	01Jan2003	01	Alarm Summary	Nederland

To view or download the report you need to click on the **PDF icon**  or on the **Report Title**.



The **Text Search** field criteria looks only for full words, if you type an incomplete word then it will not find it.