Dream Report™
User friendly reporting software
... for continuous and batch processes
Dream Report™ Software from Eurotherm®

Dream Report software from Eurotherm is an integrated reporting solution for Industrial automation. It is designed to be the simplest solution to extract data from almost any data source and automatically provide reports to anybody, anywhere. Built on modern technologies, Dream Report software fits perfectly for both continuous and batch process applications.

Data Collection
Dream Report software incorporates a Eurotherm Review driver and report template enabling historical data to be obtained from Eurotherm Review databases. A Review database contains secure data collected from devices such as the 6000 Series Graphical recorder. Data can be collected either automatically over an Ethernet Network or manually with removable media.

Additionally, a robust communications kernel is installed enabling collection of data and alarms from multiple real time and historical sources - utilising OPC, OLE and ODBC standards to ensure a common interface between sources from different suppliers.

Data Logging
Dream Report software, with its powerful historian, logs by groups, data and alarms from:
- OPC Servers such as Eurotherm LINOPC or EuroMbus
- Other connected real time sources – ODBC, OLE etc
- Analytical information as defined in reports

With unlimited groups set up with specific logging conditions for each group, clean and accurate data is obtained and logged by default on MSDE from SQL Server. However, other open databases such as oracle, MySql, Access or Eurotherm Information Manager can be utilised.

Dream Report Objects

Text Representation
Enables the extraction and display of analysis from historian databases such as a Review database.

List of statistics available:
- Current value
- Last value
- First value
- Minimum value
- Maximum value
- Average
- Weighted Average
- Sum
- Integral
- Duration
- Uptime
- Downtime
- Runtime
- On Counters
- Off Counters
- Status
- Alarm Counter
- Logged Counter
- Availability
- Deviation
- Timestamp
- On/Off Counter
- Free SQL Query
- ...

Tables
Dream Report software offers multiple options to extract Data and Alarms in different tables.

Users can select pre-formatted tables or create their own with the SQL table.

Bars and Pies
Bargraphs and pie charts display various statistical values and alarms with advanced visualisation views (% legend, values...)

Charts
Users can define time based or XY charts. They can combine charts from different time frames to visualise and compare results quickly. Moreover, the chart object supports different types of data (value, average value, linear regression). Users can display and adjust multiple scales automatically or manually.

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Dream Report software provides the most intuitive and easy to use reporting solution available in the market. Specifically designed for industrial automation, just one day of training is sufficient to generate advanced reports.

Dream Report does not require any IT or programming skills. Configuration is done through simple interfaces, menus and friendly dialog boxes.

Moreover, Dream Report software significantly reduces project development time as well as simplifying any future modification requirements.

**Dream Report puts it all together**

Dream Report integrates all functions in one single and user friendly software solution – no more integration between programs will be required to collect, extract and publish data from data sources.

- Data Collection
- Data Extraction & Analysis
- Report Design
- Report Generation
- Report Distribution

**Secured Environment**

Dream Report software also integrates a User Management module – designed to protect project development and to define report access rights.

**Object Library for Industrial Automation**

Being designed for industrial Automation, Dream Report software offers unique statistical objects to extract specific process metrics and data analysis.

**Time and Batch Based Reports**

Dream Report software supports both batch and time based reports. It enables the combination of report objects with different period settings. It is, for example, possible to compare two different batches in a single chart.

**Generates Secured PDF and Export to Excel**

By default Dream Report software generates secured PDF reports along with a simple export mechanism to MS Excel that does not require any code, script or macro.

**Multilingual Product**

Language selection can changed online. New languages or changes to terminology used can be easily implemented by the user.
Dream Report software from Eurotherm is designed to be the simplest and most intuitive solution available in the market, shrinking project development and modification. Its unique user interfaces are made of four modules:

**Dream Report Studio**: to develop and configure projects

**Dream Report Run Time**: to execute projects

**Dynamic Report Generator**: to generate new reports on demand

**Dream Report Web Portal**: to access reports from a web browser

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**Dream Report Studio**

A secure and multilingual software that enables the development of multiple reporting projects. To facilitate project engineering and to protect critical configuration, the studio is divided into two sections – the Logger and the Designer.

**Logger Studio**

In the logger studio, users define all the connectivity with the data sources and the logging groups of tags and alarms to be archived in Dream Report history.

The Logger studio also enables the visualisation of data exchange between Dream Report software and data sources.

**Designer Studio**

The Designer Studio is based on standard interface and toolbars, with drag and drop data extraction objects – making report design quick and easy.

It supports an unlimited number of reports, that can be saved as templates for further use.

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**Dream Report Run Time**

Reporting projects are executed by Dream Report Run Time. To generate and distribute reports continuously, Run Time is permanently running as a service. The user interface shows the list of reports to be executed and the current status for each one. It also enables the selection of any report and generates it instantly with the last updated values.

**Dream Report Run Time Manages:**

- The security and all access rights
- Data extraction from Historians e.g. Eurotherm Review
- Permanent calculation of all analytic information defined in reports
- Proactive report generation
- Automatic report distribution
- Dynamic Report Generator
- Dream Report Web Portal to visualise all reports archived and to generate new reports over the Internet/Intranet

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**Dynamic Report Generator (DRG)**

Offers multiple options to generate reports “On Demand”:

- Generate reports with their original settings to get up-to-date values
- Modify the following before execution:
  - **Change Time Period**: Define new time period settings for each object.
  - **Absolute/Relative Time**: (e.g.: from Jan 1, to today)
  - **Fixed Period**: (e.g.: Last month)
  - **Batch Name**: (directly select the Batch ID)

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Dream Report Web Portal

Dream Report Web Portal is ideal for distributing and sharing reports over the Internet/Intranet. Users can easily browse and display PDF reports from the current project running or generate new reports on demand using Web DRG. It can be customised and integrated in other web portals.

Dream Report Web Portal Base Functionality
- Password protected
- Multiple concurrent users
- Multiple Dream Report Stations accessibility
- Manages access rights and display only authorised reports
- Enables access and visualisation of any report archived
- Enables generation of new reports
- Multilingual

Dream Report Web Portal Key Benefits

Dream Report Web Portal is ideal for improving global asset management and facilitating business decision by proactively providing up-to-date reports.

It can be used by any operators, managers, executives but also by customers, organisations and suppliers that want to be permanently connected and interact with the field.

Dream Report turns data into valuable information; Dream Report Web provides it to you anywhere.

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