Dream Report

PcVue Solutions ® CERTIFIED

Dream Report

Reporting Software
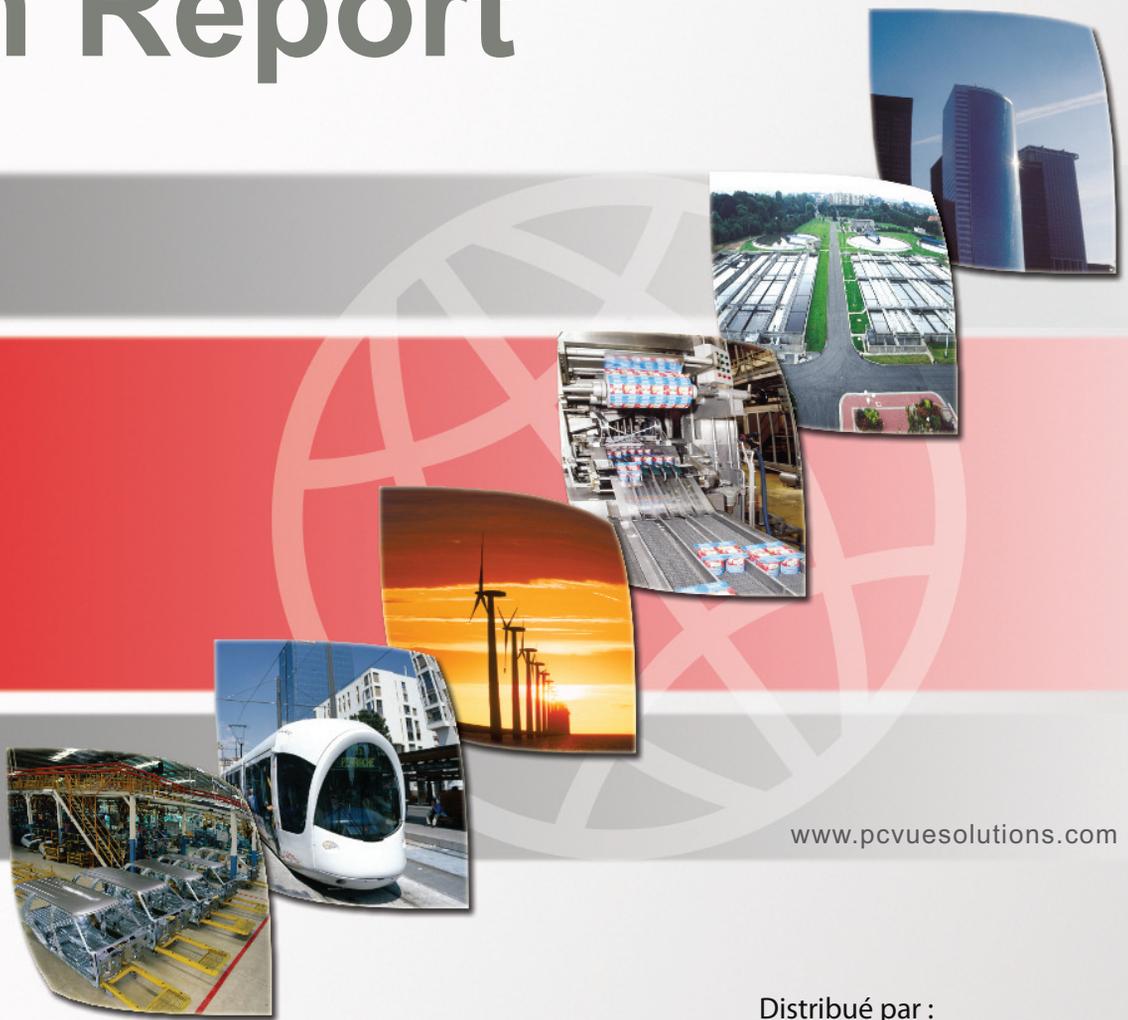
www.pcvuesolutions.com

Distribué par :

HVS.
PRECONISATEUR DE SOLUTIONS DEPUIS 1985

Contact :
hvssystem@hvssystem.com

Tél : 0326824929
Fax : 0326851908

Siège social :
2 rue René Laennec
51500 Taissy
France
www.hvssystem.com

Dream Report

> ▶ **Dream Report** is based on **5** integrated functions
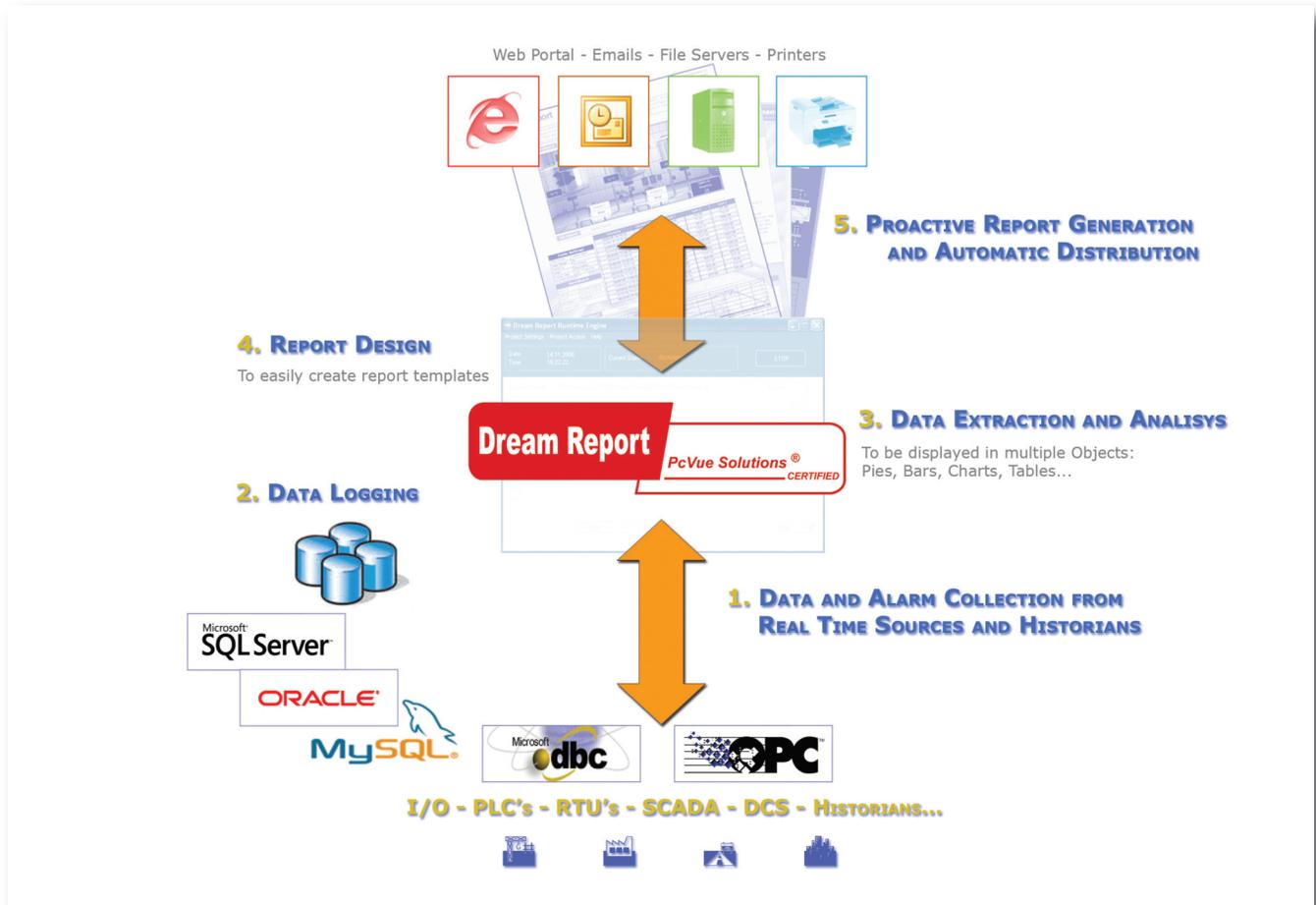
1. Data Collection

• **Dream Report** integrates a robust communication kernel to collect Data and Alarms from multiple Real Time and Historian Sources.

• **Dream Report** uses OPC, OLE and ODBC standards to ensure a common interface between sources from different suppliers.

• **Dream Report** is provided with **PcVue** dedicated drivers, through Web Services.

> ▶ **PcVue Native support :**
>   • Access to PcVue's real time data, alarms and historical data, locally or remotely (via an intranet or the Internet) using PcVue's Web Services
>   • Native support of the HDS database via Dream Report's standard ODBC driver
>   • Access to PcVue's real time data via the OPC client driver
>   • Access to PcVue's proprietary historical database is also included

2. Data Logging

Dream Report integrates a powerful historian to log by groups, data and alarms from:
- Dream Report Analytics defined in reports
- Real Time Data Sources connected

Dream Report enables to define unlimited groups with specific logging conditions for each to get clean and accurate data in the database.

Dream Report log data by default on MSDE from SQL Server, but users can select any other open database such as Oracle, MySQL, Access...

3. Report Generation

Automatic Mode
Report generation and distribution can be executed on event and on advanced scheduling.

Manual Mode
Dynamic Report Generator (DRG) is an external application that enables to manually change the reports time settings and to generate new report on demand at anytime.
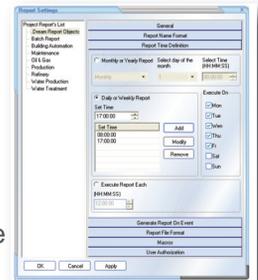
Report Generation

4. Dream Report Objects

Text Representation
Enables to easily extract and display analysis from historian databases.

List of statistics available:

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

Tables
- **Dream Report** offers multiple options to extract Data and Alarms in different tables.
- Users can select preformated tables or create their own with the SQL table.
- STEP table enables to extract and display analytics from any step period in few clicks.

Bars and Pies
Dream Report's Bars and Pies allow to display various Statistical values and Alarms in nice views with advanced visualization (%, legend, values...)

Charts
Users can define time based or XY charts. They can combine charts from different timeframes to visualize and compare results fast (production, processes, ...).Moreover the chart object supports different type of data (value, average value, linear regression). Users can display and adjust automatically or manually mutiple scales.

> ▷ **The User Interface**
>
> **Dream Report** is designed to be the simplest and most intuitive solution available in the market, shrinking project development and modification. Its unique user interfaces is made of 4 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 to any reports from a web browser

Dream Report Studio

Dream Report is a secured and multilingual software that enables to develop multiple reporting projects. To facilitate project engineering but also to protect critical configuration such as the communication, the studio is divided in 2 sections named 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**'s history.
>
> The Logger studio also enables to visualize all real time data exchange between **Dream Report** and the Data sources.
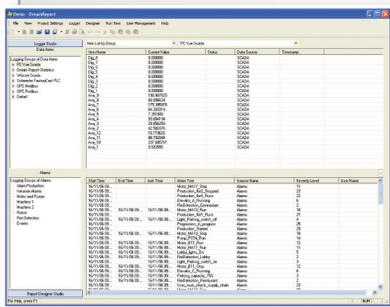
> ▷ **Designer Studio**
>
> The Designer Studio is based on standard interface and toolbars, with drag and drop data extraction objects making the taking in hand very fast. It supports unlimited number of reports, that can be saved as templates for further use.
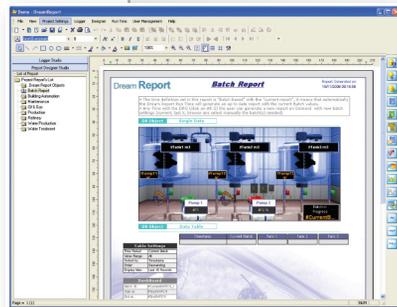
Dream Report Run Time

Reporting projects are executed by **Dream Report** Run Time. To generate and distribute reports proactively, the Run Time as to run permanently. The user interface shows the list of reports to be excecuted and the current status for each one. It also enables to select any report and generate it instantly with the last updated values.

> ▷ **Dream Report Run Time Manages:**
> - The security and all access rights
> - Data acquistion to real time sources
> - Data logging in any standard databases (by default MSDE)
> - Data extraction from Historians or from Dream Report History
> - Permanent calculation of all analytics defined in reports
> - Proactive report generation
> - Automatic report distribution
> - Dynamic Report Generator to generate reports on demand
> - Dream Report Web Portal to visualize all reports archived and to generate new reports over the Internet/Intranet.
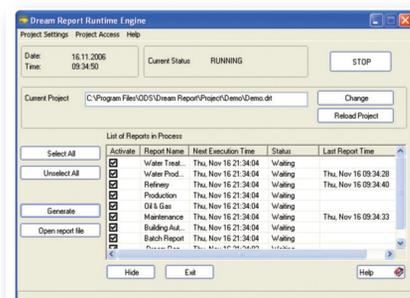
Dream Report Run Time

Dynamic Report Generator

With Dynamic Report Generator (DRG), users can select any report template running in the Run Time and generate a new report on demand instantly. This module is available as a standard windows application (generate.exe), a Web application and as an Active X component (AXC_ODS_Generate) to be integrated on PcVue application for example.

DRG offers multiple options to generate reports "On Demand":
• It can generate reports with their original settings to get up-to-date values
• Or modify the following settings options before execution.
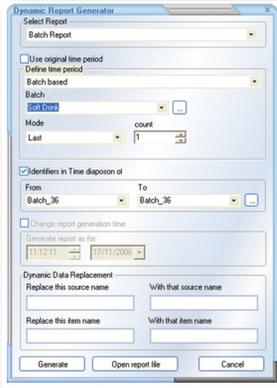
Dream Report Generator

▶ **Change CPU Clock**

To replay previous reports, without changing any object configuration

▶ **Change Time Period**

Means forcing each object defined with new time period settings.

Absolute/Relative Time (ex: from Jan 1, at today)

Fixe Period (ex: Last month)

Batch Name (select directly the Batch ID)

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 customized and integrated in other web portals.

▶ **Dream Report Web Portal Base Functionnalities**

- Password protected

- Multiple concurent users

- Multiple Dream Report Stations accessibility

- Manages access rights and display only authorized reports

- Enables to access and visualize any report archived

- Enables to generate new reports

- Multilingual
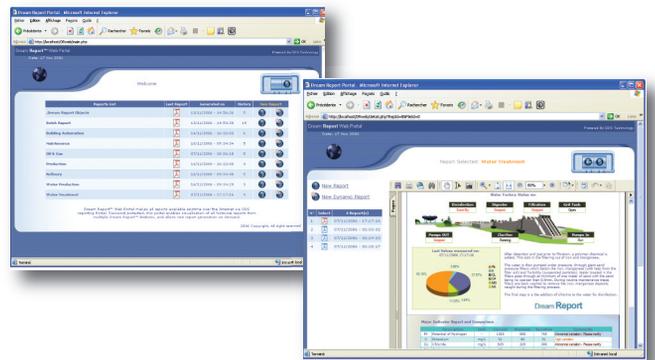
Dream Report Web Portal

▶ **Dream Report Web Portal Key Benefits**

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

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

• Dream Report turns data into valuable information, DR Web provide it to you anywhere.

Major Dream Report's Key Differences and Benefits

The Simplest Solution

Dream Report Studio position Dream Report as the most intuitive and easy to use reporting solution available in the market. Specialy designed for industrial automation, a one day training is sufficient to generate advanced reports.

Dream Report doesn't require any IT or programming skills. Configuration is done through simples interfaces, menus and friendly dialog boxes.

Moreover it reduces significantly project development time and simplifies project modification.
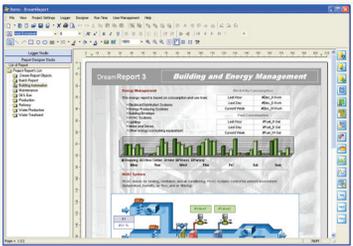
Generates Secured PDF and Export to Excel

By default Dream Report generates secured PDF reports to respond to regulatory. It also integrates a simple export mechanism to MS Excel that doesn't require any code, script or macro.
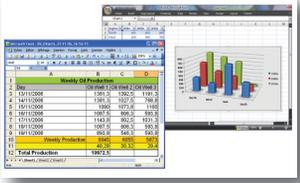
Object Library for Industrial Automation

Being designed for industrial Automation, Dream Report offers unique statistical objects to extract specific processes metrics and data analysis.
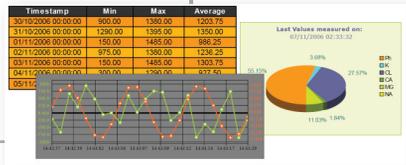
Time and Batch based Reports

Dream Report supports both batch and time based type of reports. It also enables to combine in reports objects with different period settings. It will be for example possibe to compare 2 different batches in a chart.

Dream Report puts it All Together

No more integration between programs will be required

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

to collect, extract and publish data from data sources. Dream Report integrates all functions in one single and user friendly software solution:

Dream Report is a fully integrated reporting software solution.

Respond to E.I.I Requirements

Dream Report enables archiving of clean and accurate data in the customers specified database for further Enterprise Information Integration.

Multilingual Product

Dream Report enables to change language online and allows to add new languages or change product terminology.

Secured Environment

It also integrates an User Management module to protect project development but also to define report's access rights.

Dream Report™ is developed by Ocean Data Systems (ODS).

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2 rue René Laennec 51500 Taissy France
Fax: 03 26 85 19 08, Tel : 03 26 82 49 29

Email : hvssystem@hvssystem.com
Site web : www.hvssystem.com

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ABOUT US

Founded in 1981, **ARC Informatique** is a privately held company with its headquarters in Sevres, Paris area, France. The company develops and markets industrial software. Originally designed for the process and manufacturing industries, the software now also caters for infrastructures (tunnels and motorways), water (treatment stations, potable water distribution), transport (tramways, trains and airports), building management systems (BMS) and power generation & distribution. In 2008, **Arc Informatique** launched the **PcVue Solutions** offer of software, hardware and application support as a global service to the market.

> **PcVue Solutions** is a suite of software and hardware for visualisation, control, management and data analysis for industrial, building, infrastructure and utilities applications.
>
> **PcVue** - HMI/SCADA software
> **WebVue** - Web access solution
> **PlantVue** - Stand alone HMI solution
> **FrontVue** - Graphical user interface
> **Dream Report** - Reporting tool
> **IntraVue** - Industrial Ethernet diagnosis software
> **Alert** - Industrial on call management system
> **Ethernet Direct** - Industrial Ethernet switches

ISO 9001:2000 certified since July 2003, the company has an international presence via direct sales offices in the USA, Europe and Asia plus a network of distributors as a sales channel. **Arc Informatique** has OEM agreements with Jumo, Veolia Water Division, Quantum Automation, Schneider Electric and Yokogawa that allow these companies to ship versions of the **PcVue Solutions** offer under their own brands.

To date, over **40,000** licenses have been installed worldwide.

OFFICES

FRANCE ARC Informatique - Headquarters and Paris office
2 avenue de la Cristallerie - 92310 Sèvres - France
tel + 33 1 41 14 36 00 - fax + 33 1 46 23 86 02 - hotline: Tel +33 1 41 14 36 25
email: arcnews@arcinfo.com - web: www.pcvuesolutions.com

FRANCE - Aix Office
tel + 33 4 42 52 36 83
fax + 33 4 42 29 74 55
email: arcaix@arcinfo.com

FRANCE - Grenoble Office
tel + 33 4 76 18 73 01
fax + 33 4 76 41 06 71
email: arcgrenoble@arcinfo.com

FRANCE - Lyon Office
tel + 33 4 78 35 93 93
fax + 33 4 78 35 35 92
email: arclyon@arcinfo.com
hotline: + 33 4 78 35 93 54

FRANCE - Strasbourg Office
tel + 33 3 88 21 02 10
fax + 33 3 88 21 02 11
email: arcstrasbourg@arcinfo.com

CHINA PcVue China Representative Office
369 Jiangsu Road,
ZhaoFeng Building 17A,
200050 Shanghai
tel + 86 21 5240 0280
fax + 86 21 5240 0082
email: china@pcvue.com.cn

GERMANY PcVue GmbH
Mohnweg 2 A
84079 Bruckberg
Deutschland
tel + 49 8765 938 435
fax + 49 8765 938 437
email: info@pcvue.de
web: www.pcvue.de

ITALY PcVue Srl
Linate Business Park
Via Rivoltana, 35
20096 Pioltello - Mi
Italy
tel /fax +39 02 9267248
email: info@pcvue.it
web: www.pcvue.it

MALAYSIA PcVue Sdn Bhd
Unit 311, block B, Phileo
Damansara 1
No. 9 Jln 16/11
46350 Petaling Jaya – Selangor
Malaysia
tel + 60 3 7957 5187
fax + 60 3 7958 8760
email: c.vilenstein@arcinfo.com

SINGAPORE PcVue Sea
371 Beach Road
#02-12 Keypoint
Singapore 199597
tel + 65 6396 9186
fax + 65 6296 0943
email: pcvuesea@pacific.net.sg
web: www.pcvue-sea.com
hotline: + 60 3 7957 5187

SWITZERLAND PcVue GmbH
Harzachstrasse 2b
8404 Winterthur
Switzerland
tel + 41 52 682 19 38
fax + 41 52 682 19 58
email: info@pcvue.ch
web: www.pcvue.ch

UK Control Technology International
Regal Chambers
49/51 Bancroft, Hitchin
Hertfordshire, SG5 1LL England
tel + 44 1 462 45 77 00
fax + 44 1 462 45 33 77
email: info@ctiweb.co.uk
web: www.ctiweb.co.uk

USA PcVue Inc
10 Tower Office Park,
Suite # 204
Woburn, MA 01801 - USA
tel + 1 781 569 0646
fax + 1 781 569 6105
email: pcvueinc@arcinfo.com
web: www.pcvueinc.com

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hvssystem@hvssystem.com

Tél : 0326824929
Fax : 0326851908

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2 rue René Laennec
51500 Taissy
France
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