

Report Generator System

Automated report generation solution - consolidate data for instant report presentation.

Experience the report automation revolution brought by RGS, aggregating plant or enterprise data for clear and visualized analysis through charts.

Tailored Reporting for Manufacturing and Production.

RGS is a specialized data reporting system designed for the manufacturing industry, catering to both IT and OT reporting needs. It swiftly consolidates complex data, automatically generating clear and visually appealing reports, including production anomaly reports, daily production reports, ERP reports, and others required by industrial organizations.

With a single click, users can subscribe to relevant reports, effortlessly managing their preferred content in real-time. This ensures that employees and decision-makers, regardless of department, gain insights into the company's operational status through charts, meeting the enterprise's needs for data visualization analysis and management.

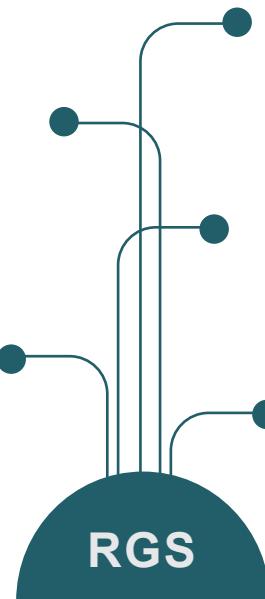
Benefits



Instant Access:
Subscribe with one click for viewing access to all relevant reports.



Data Visualization:
Satisfies the need for easy data visualization analysis and management.



Automation Excellence:

Automated report generation, notifications, and distribution - reports come to you.



Visual Templates: Quick online report creation with rich visualization templates.



Code-Free Visualization: Easily visualize data without the need for coding.



Key features

Data Consolidation

Supports multiple sources like MS SQL Server, Oracle, MySQL, ODBC, real-time data, AVEVA Historian, AVEVA PI System, and more.

Configured data is automatically input into the report format, generating reports seamlessly.

Excel Add-in Integration

Users can designate any existing Excel file as a report template. According to predefined schedules, RGS automatically retrieves and fills in the relevant data, then saves the output as a new file, supporting automated, consistent, and repeatable report generation.

Digital Signature

You can add the company or server signature to exported reports to verify their source.

Web-Based Interface

Browse, design, and create graphical reports and dynamic dashboards anytime, anywhere using a web browser. (Figure 1)



(Figure 1)

Versatile Chart Templates

Supports various chart formats including pie charts, donut charts, vertical bar charts, horizontal bar charts, line charts, tables, spreadsheets (import existing Excel files), images, and text. Quickly design statistical charts with drag-and-drop simplicity... (Figure 2)



(Figure 2)

Centralized Online Management

One-click subscription and centralized management streamline the report-finding process. Schedule automatic report generation and regular distribution to relevant subscribers through a unified interface. (Figure 3)



(Figure 3)

Real-Time Event-Triggered Report Generation

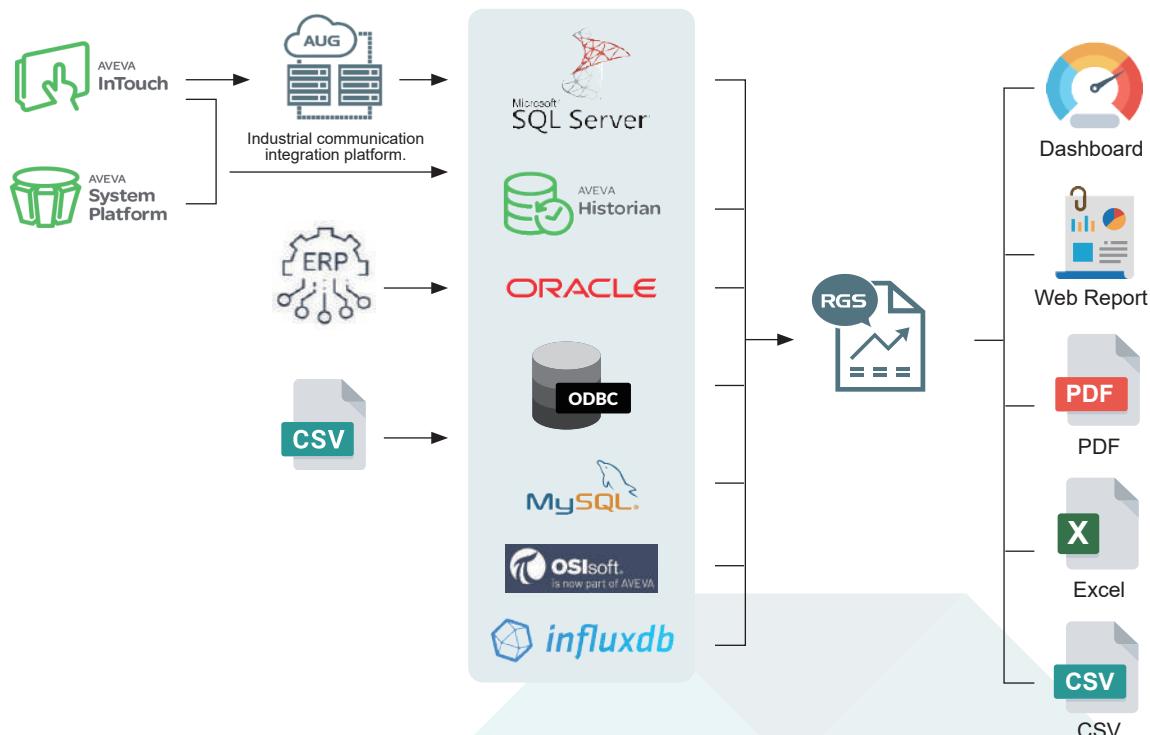
RGS can be triggered by on-site events to instantly generate relevant reports, enabling your team to quickly understand the situation and make clear, effective decisions.

Effortless Integration, Full Control of Your Reports

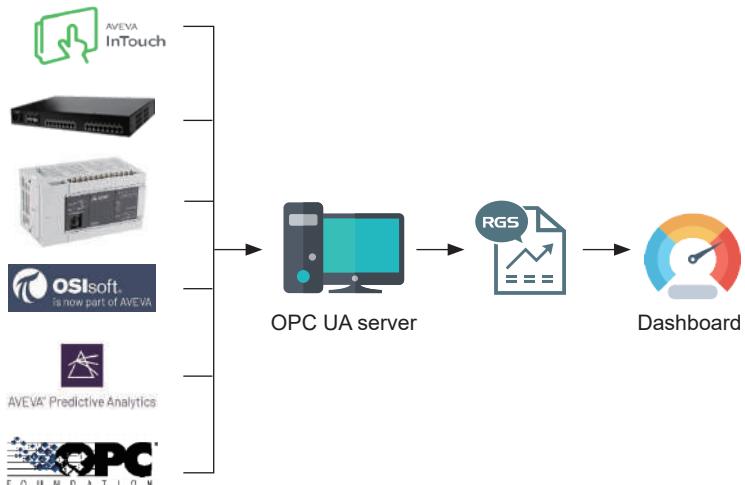
Charts and reports generated by RGS can seamlessly link to other internal reports and even extend to web-based platforms like Power BI and Tableau — opening up a whole new reporting experience. When sharing reports, you can choose to "send a link" or "attach a file," offering flexible options to suit user needs.

System architecture

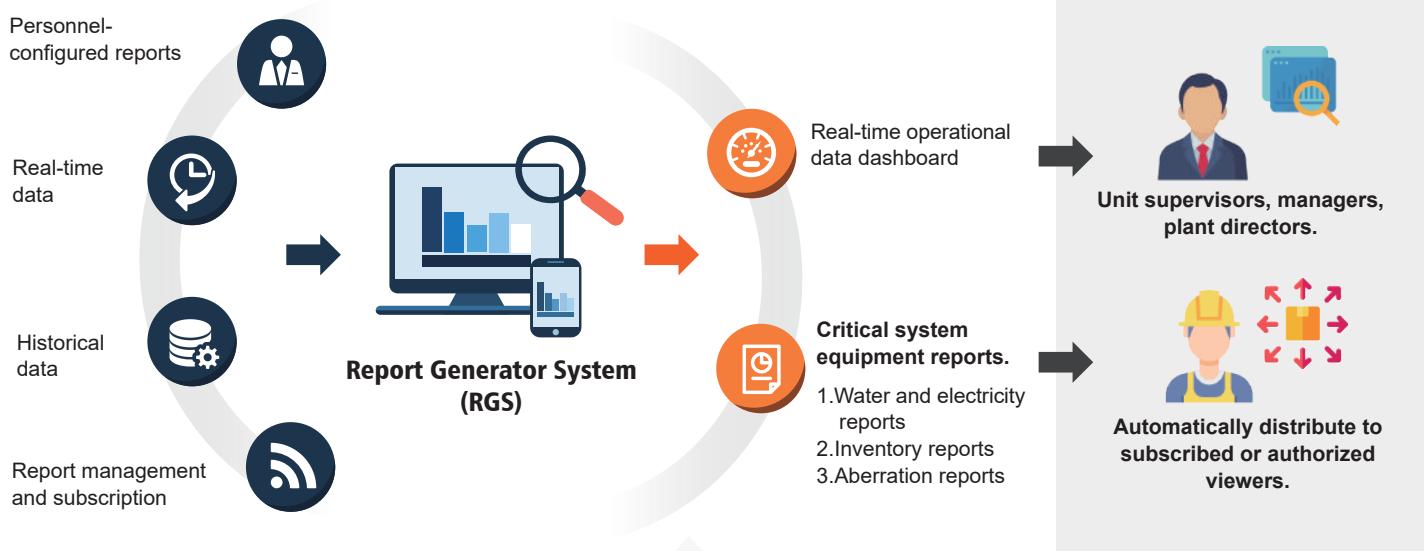
♦ Integrating historical data



◆ Integrating real-time data



Application architecture



System compatibility



Operating system

- ◆ Windows 10 / 11 Pro or above
- ◆ Windows Server 2016 or above; Standard / Data Center



Supported browsers

- | | |
|------------------|-------------------|
| ◆ Microsoft Edge | ◆ Mozilla Firefox |
| ◆ Google Chrome | ◆ Safari |



Database

- ◆ Microsoft SQL Server 2016 or above; Express / Standard / Enterprise



Hardware requirements

- ◆ CPU : 4 cores or higher · 2.4 GHz or above
- ◆ RAM : 16 GB or above
- ◆ SSD with at least 500 GB
- ◆ Network : 1 Gigabit Ethernet
- ◆ Display : 1920 × 1080 or higher

※ Content may change without prior notice; Senwai Tech reserves the right to modify at any time. 2025.10

SMC
Senwaiy Management Console



1. Centralized Management

Senwai management console provides an integrated interface to view the status of all hosts and installed software, making management and maintenance more convenient.

2. Message Broadcasting System

When system issues occur — such as license problems, critical alarms, device disconnections, or excessive host load — the system proactively notifies administrators and relevant personnel.

The screenshot shows the Senwaly Management Console interface. At the top, there's a navigation bar with 'Senwaly Management Console' and a 'Notifications' button. Below it, a search bar and a 'Servers' dropdown menu are visible. The main area displays a server named 'RD-Demo-1' which is running 'Microsoft Windows Server 2012'. A summary card provides real-time metrics: CPU usage at 4%, RAM usage at 99%, Disk usage at 44%, and Network usage at 0% (IP: 192.168.80.53). Below this, a table lists five services: ATC, ETC, MOS, RGS, and AAC, each with a status indicator (green for most, grey for AAC).

3. Information Security

Equipped with multiple security mechanisms to safeguard information, including:

- Password
 - CAPTCHA verification
 - 2FA authentication
 - Access control
 - User whitelist / block

| | | |
|---|--|--|
| <p>Login</p> <p>Verification Mode <input checked="" type="radio"/> AD Authentication <input type="radio"/></p> <p>AD Authentication Information</p> <p>DNS name is AD verification mode) 192.168.0.10 AD account: <input type="text"/> AD Password: <input type="password"/> bessources: <input type="password"/></p> <p>Manually synchronize AD <input checked="" type="radio"/> Synchronize <input type="radio"/></p> <p>AD Automatic Synchronization</p> <p><input checked="" type="radio"/> On <input type="radio"/> Off</p> <p>AD Automatic Synchronization TimeUnit: Minutes, Default value: 100</p> | <p>Security</p> <p>Password Security</p> <p>Password Complexity(Uppercase, lowercase, digits, special characters: select 3 out of 4)</p> <p><input checked="" type="radio"/> Off <input type="radio"/> On</p> <p>Minimum Password Length: <input type="text"/> 8</p> <p>Logic Failure Count(-1: Not Enabled): <input type="text"/> 5</p> <p>Failed Logic Lockout Duration(Unit: Minutes, Default value: 5): <input type="text"/> 5</p> | <p>Verification</p> <p>Graphic Verification <input checked="" type="radio"/> On <input type="radio"/> Off</p> <p>2FA Verify <input checked="" type="radio"/> On <input type="radio"/> Off</p> <p>Authentication Method <input type="text"/> Google Authenticator <input type="radio"/> 2FA Issues</p> <p>2FA AccountTitle: <input type="text"/></p> <p>2FA AccountSecret: <input type="text"/></p> |
|---|--|--|

4. Maintenance System

Optimize system performance through comprehensive maintenance features:

- Scheduled cleanup of historical data
 - Automated database maintenance
 - Automatic Active Directory (AD) synchronization
 - Service status monitoring (WatchDog): auto-recovery and restart in case of system failure
 - Diagnostic tools: detect system anomalies
 - System logs: record updates and changes
 - Backup and restore mechanism: protect system data and prevent data loss

The screenshot shows the 'Record' tab in the System Center Configuration Manager console. The 'Performance Log' section displays a log entry for 'Log Interval(100ms, Default value: 100)' with a value of '10'. The 'Scheduled Log Cleanup' section shows a cleanup interval of '100ms'. The 'Scheduled Database Compression' section lists a task scheduled for 'Time: 10:00' on 'Date: 2013-01-10' with a compression threshold of '100'. On the left, the 'Operations' pane shows tasks like 'Run DMRD-1', 'ADC-19', 'AnvManagementCenter', 'ATC', 'BRC', 'RunReconcileSequence', 'LogMessage', 'MessageDeliveryService', 'ReportManagementService', and 'RunSUSchedule'. On the right, the 'Status' and 'Working' panes show the status of various services.



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