

Automsoft®

Understand information - Predict outcomes...



nuaViews™

The Leading Rich Internet Process Visualization Application

The growth in web-enabled applications is driving process industries to consider moving from traditionally distributed IT infrastructures toward web-based client and server environments. Process companies typically have vast, dispersed operations each working toward an enterprise goal but at times lacking a common view of performance. Tackling this issue and implementing a web-based response can seem insurmountable, especially given the large numbers of individual computers, remote data silos and existing investments in legacy software systems within most process environments.

nuaViews™ from Automsoft is the answer to such challenges.

About Automsoft

Automsoft is one of the world's premier providers of advanced data historian and process optimization solutions. Automsoft's rapidHistorian™ and nuaViews™ product suite enables powerful and secure high-speed data retrieval, vast storage capacity, complex analysis and sophisticated visualization. Founded in 1997, Automsoft has a global customer base of thousands of installations across diverse industrial sectors including Power & Utilities, Renewable Energy, Maritime, Manufacturing, Life Sciences and Oil & Gas.

Today, Automsoft is at the cutting-edge of cleantech solution development enabling advanced meter data aggregation, smart grid integration and smart building management.

Automsoft has international offices in the US, Europe, Middle East & Asia. For more information, please visit <http://www.automsoft.com>.

Introducing nuaViews™

nuaViews is a rich Internet application (RIA) authoring system and the industry's most advanced data visualization and process optimization solution. This breakthrough technology is the culmination of Automsoft's deep process industry knowledge and cutting-edge software development.

nuaViews' open web services architecture enables users to find, retrieve, aggregate, and display data from any data source across both local and remote plant geographic locations. Users can perform web-based interrogations of nuaViews' data from any browser. Plant managers can create rich reports, dashboards, mash-ups, guided analytics and scorecards with real-time and historic data. The nuaViews' web services architecture eliminates once labor-intensive administration of disparate software systems with a low maintenance single client application accessible by the entire enterprise.

nuaViews Solution Components

nuaViews Data Discovery Browser:

nuaViews' powerful Discovery Browser allows users to quickly browse and search for one or more data sources across a building, plant or infrastructural network. Navigating the Discovery Browser's hierarchy allows data sources to be easily accessed.

nuaViews Screen Design:

nuaViews' delivers advanced screen design and layout control. Users can swiftly consolidate data from multiple data sources in a single screen. Screens may be developed ad hoc or pre-configured, and can range in complexity from process mimics to advanced KPI's and scorecards.

nuaViews Report Features:

- **PDF Report Generation:** Reports can be saved in PDF format.
- **Real time and historical data sources** are supported.
- **Report Scheduling:** nuaViews reports can be scheduled and either printed or emailed.
- **Digital Signatures:** Electronic can be applied to reports ensuring compliance with regulatory requirements for secure and traceable data and report management.

nuaViews Screen Elements:

nuaViews provides a wealth of static and dynamic data analysis and presentation components that can be easily dragged and dropped onto a screen.

- **Canvas:** Each screen can contain one or more canvas, allowing a stacked view of data.
- **Spreadsheet:** nuaViews' spreadsheet renderer has extensive data handling capacity, allowing for many thousands of data points to be presented and configured in a single worksheet.
- **Chart:** Users can dynamically create and customize report pie, trend, bar and error charts. nuaViews' Data Spy feature delivers deep data and process understanding allowing users to click and zoom to reveal micro-level data points over micro-time frames.
- **Instrumentation:** nuaViews provides a library of industrial instrumentation visuals such as pressure and temperature gauges and data sliders that dynamically animate to represent 'real world' process simulations such as tank levels, temperature and pressure indicators.
- **Link:** Predefined screens can be quickly linked and related to one or more screens for fast navigation.
- **Image/Label:** Users can quickly augment screen appearance by inserting any number of stored images and text labels.
- **Web link:** HTML links can be included in a screen.

nuaViews Calculation Engine:

Automsoft's nuaViews Calculation Engine is a powerful data analysis and modeling tool that allows data to be transformed through a programmatic interface before display. Programmatic functions can be stored in a library for re-use.

Key nuaViews Features

- 100% web based trending, visualization and reporting
- Zero install footprint (just a URL)
- Meet and exceed functionality of RAPID ActiveX and competitors toolsets
- Both real-time and historical data
- Visualize data from any data source
- Report scheduling
- VCR support
- Zero install footprint
- Animated widgets (instruments) updated in real-time or historically
- Part 11 Compliant
- PDF generation

Key nuaViews Benefits

- **Anytime, anywhere web-based data visibility & control:** nuaViews provides simultaneous local and geographic access via any Internet-enabled interface to a centralized and consistent pool of enterprise performance data. Plant engineers can individually view micro-levels of trend data, perform ad-hoc analysis, and share and analyze common management reports.
- **Enhance business intelligence, planning & KPI analysis:** nuaViews facilitates rich enterprise decision-making by harnessing the system's centralized data store to reveal real-time and historic intelligence which can be integrated into MES and ERP systems or portals for advanced business analysis, strategy and KPI alignment.
- **Maximize ROI for plant assets & legacy IT systems:** Process manufacturers can extend plant asset lifecycles and realize a return on investment. In addition, existing IT system viability is ensured as nuaViews can seamlessly integrate with data from proprietary data sources.
- **Reduce IT administration costs & inefficiencies:** nuaViews' 'thin' technology architecture eliminates cumbersome and costly back-office and enterprise-wide software installations. nuaViews' lean single web server and web client architecture provides fast and homogenized data management from a simple back office platform.
- **Achieve regulatory compliance & audit management:** At Automsoft we understand the regulatory constraints under which our clients operate. We have adapted our technology to meet mandatory industry standards and enable administrators to easily manage data and network integrity and produce comprehensive audit trails.

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