DataHUB+ is a Scalable Enterprise Process Historian and Visualization Platform

DataHUB+ Standard Product Features

- Real time monitoring with live data inputs
- Automatic checks for data integrity and quality
- Quickly build data visualizations using Dynamic Dashboards
- Fully customizable data visualizations with drag and drop functionality
- Automated insights and alerts
- Free-form calculations and statistical analysis built-in
- Easy access to data for analysis within the platform or export to users preferred platform
- Unlimited users - no per user license fee
- Unlimited real-time and historical data stored
- Connect an unlimited number of plants, assets and equipment into the one DataHUB instance, to scale enterprise wide
- Client retained data ownership
- Sigle sign-on authentication
- SaaS subscription
- Responsive HTML5 interface
- Governance and data provenance
- Store over 200 data types including time-series
- Pre-processing of structured and unstructured data
- Data security compliant to SOC 2 and ISO27001
- Distributed data storage, using microservices for scalability, reliability, speed, and automatic server recovery
- Distributed data storage scaled to customer required ingestion and run-time speed
- VROC Private Data Centre system availability 99.99 (less than 52.6 minutes downtime per system per year)
- Quality assurance compliant to ISO9001:2015, ISO14001:2015, ISO45001:2018

DataHUB+ System Integrations:

VROC's DataHub+ is designed to be interoperable with your existing systems

Real time and historical data import sources:
- Data Historians and SCADA systems, including but not limited to OSIsoft, Schneider Electric, GE Automation, Rockwell Automation, Siemens, Aspentech, AWS, Google, Azure
- Real time and time-series data direct from DCS and PLC controllers
- Real time and time-series data direct from IoT sensors
- Automated import from lab data
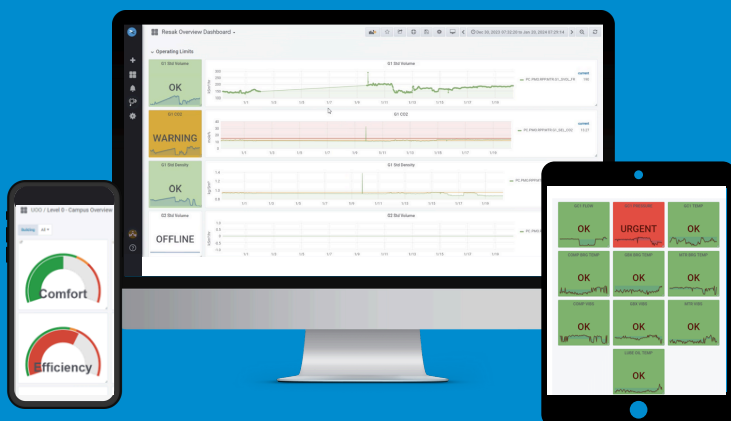- Automated import from 3rd party data, such as weather

Customer system integrations for the export of data and analytics:
- ERP
- CMMS
- EMMS
- Power BI
- APM

VROC system integrations:
- OPUS (No-code AI)
- OASIS (remote operations control)

DataHUB+ is a Scalable Enterprise Process Historian and Visualization SaaS with no hidden licensing fees, additional hardware costs, future system upgrades or individual user costs.

DataHUB+ Flexible Hosting Options

Easily migrate between any of the following hosting options:

VROC Private Data Centre (based in Australia)
- Fast and secure
- Client data ownership and control retained
- No server management required

Client On-Premise Data Centre
- Allocate space in your on-premise server for VROC Operating System to be configured and accessed

Client Public Cloud
- AWS / Azure / Google Cloud / Other
- Allocate space in your public cloud infrastructure for
- VROC Operating System to be configured and accessed

VROC Cube
- Preconfigured server rack with VROC Operating system
- Plug and Play set-up for On-Premise hosting
- Scalable solution

VROC

DataHUB+: A Cost-Effective Alternative to Traditional Data Historians
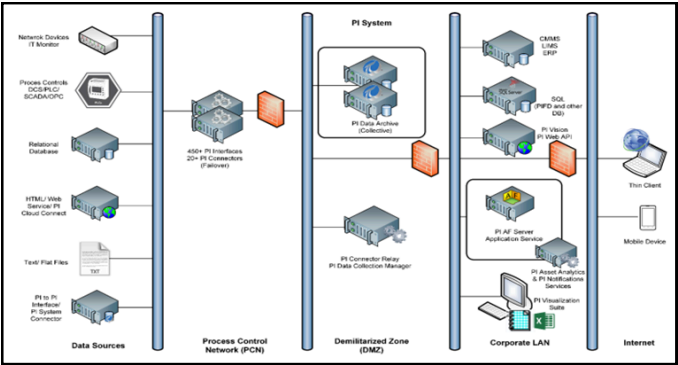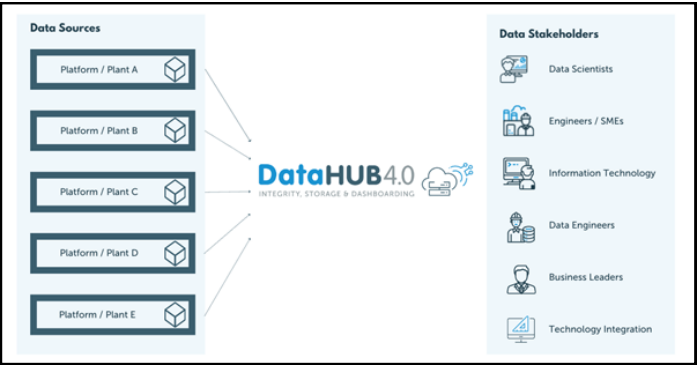
Unlike conventional data historian solutions that rely on expensive infrastructure and incur additional user fees based on data volume, DataHUB+ offers a highly competitive and scalable option. With no extra costs for users and a modern data storage approach, DataHUB+ minimizes expenses.

Traditional process historians often necessitate the purchase of separate data visualization software, further increasing costs. DataHUB+ serves as both a visualization tool and process historian, streamlining expenses for businesses.

Moreover, conventional process data historians often impose limits on stored data volume due to cost constraints, hindering advanced analytics' effectiveness and accuracy. With DataHUB+'s VROC, all data is stored, enabling the utilization of advanced analytics and AI for valuable business insights.

	DATAHUB+	TRADITIONAL DATA HISTORIAN
Unlimited users at no extra cost	✔	✘
Cost effective and scalable infrastructure	✔	✘
Built to reduce high failure possibilities	✔	✘
Inbuilt data analytics and visualization tools	✔	✘
Costs based on number of data tags. Tags include unlimited data volume	✔	✘

Infrastructure Comparison Between DataHUB+ and Traditional Process Historians

This figure shows the DataHUB+ infrastructure set-up across multiple points.

This figure shows a traditional process historian's infrastructure set-up for a single data source.

Data Visualization Examples

DataHUB+ visualization example

DataHUB+ highlevel overview dashboard example

For a quote to deploy DataHUB+ within your enterprise, contact the team at VROC.AI

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