



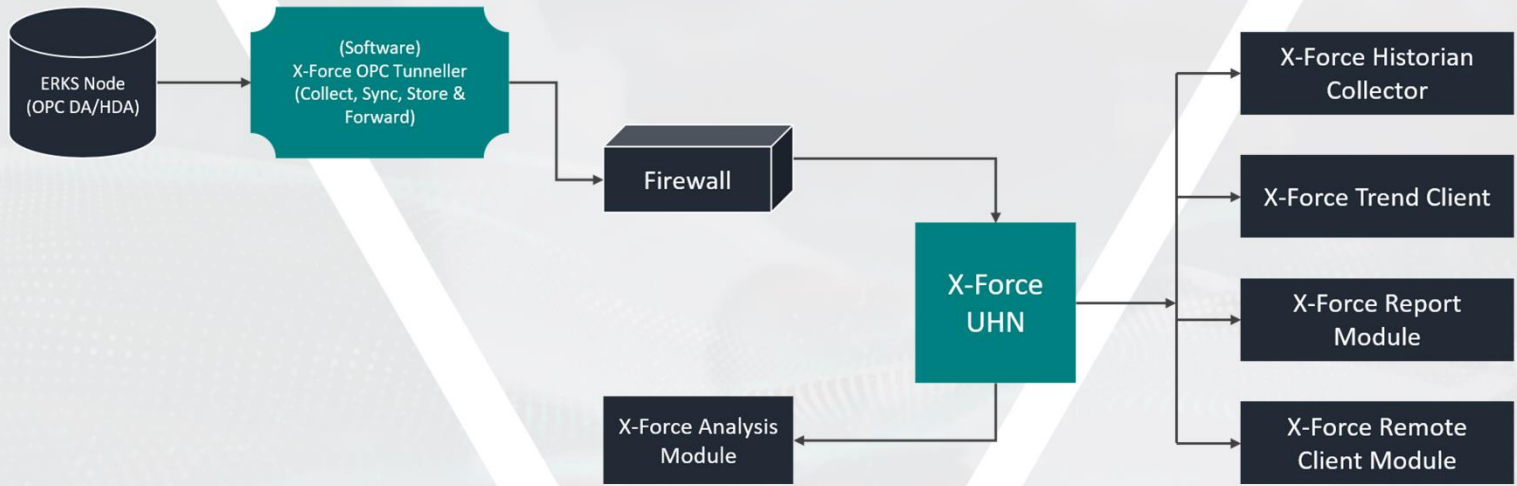
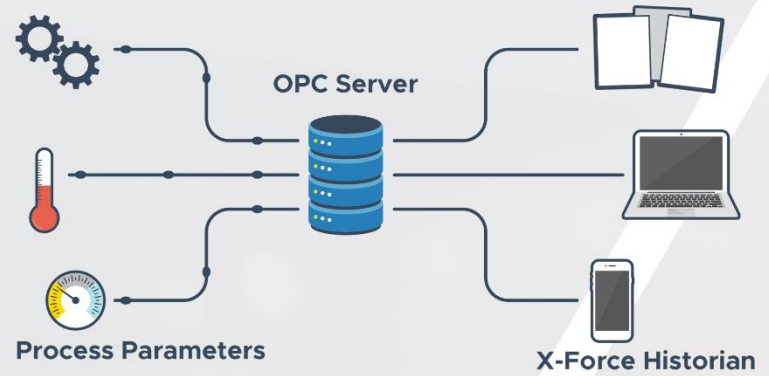
X-Force
Historian System

X-Force Historian

X-Force Historian is used to capture and store high-fidelity industrial process data; to unlock trapped potential for operational improvements. Historian's ability to handle millions of tags provides plenty of capability to collect and store your vital information of process data. Storing data locally and aggregate at the enterprise level, fulfilling the most demanding analysis and reporting requirements. Historian preserve everything from short-term diagnostics to long-term records needed to support regulatory requirements.

XHS is a high-performance time series data historian based on latest MSSQL core scalable up to 1 Lakh tags with performance of 30k samples/second. XHS provides centralized data collection from various sources and provides process screens, trends and analytic dashboard and reporting.

- Compatible with OPC-DA / OPC-UA.
- Web-portal access with graphical dashboard.
- Trend feature with multi tab operation.
- User defined analytical reports.
- SMS and Email alert scheduling.
- Efficient calculations with report notification.
- Long term data storage.
- Role based security and AD Integration



Our Solution Complies to Industry 4.0

Interoperability: The ability of cyber-physical systems (i.e. work piece carriers, assembly stations and products), humans and Smart Factories to connect and communicate with each other via the Internet of Things and the Internet of Services

Connectivity: The ability to capture the data by connecting nodes with GPRS communication from any remote location

Real-Time Capability: The capability to collect and analyze data and provide the insights immediately

Modularity: Flexible adaptation of Smart Factories for changing requirements of individual modules

Analytics: Generates insights and knowledge in form of trends, dashboards and various reports.

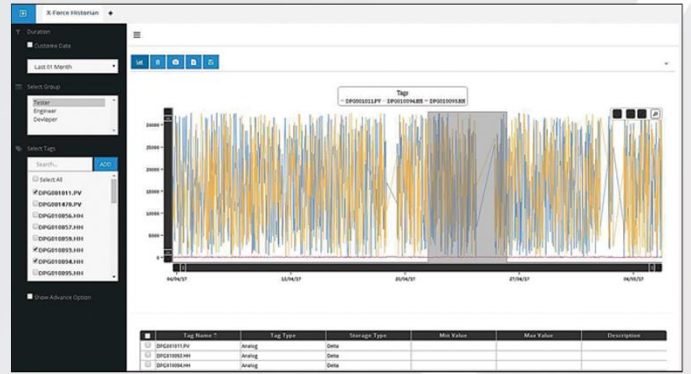
X-Force OPC Tunneller (collect, sync, store & Forward):

- X-Force OPC Tunneller software use to fetch data from OPC Server and transfer to UHN Server.
- In case of network failure between source and Historian system. X-Force OPC Tunneller having facility to Store & Forward data.
- This software module works on ethernet based connectivity.
- Module is compatible to OPC DA and OPC HD

Item #	Channel #	Name #	Channel #	Tag Type #	Storage Type #	Units #	Dist Band #	Dist Band #	Frequency #	Frequency #
ES0	DE002	SP1_HR_Value	Paradip I&T	Analog	Delta	mm	0.000			
ES0	DE002	SP2_HR_Value	Paradip I&T	Analog	Delta	mm	0.000			
ES0	DE002	SP3_HR_Value	Paradip I&T	Analog	Delta	mm	0.000			
ES0	DE002	SP4_HR_Value	Paradip I&T	Analog	Delta	mm	0.000			
ES0	DE002	SP5_HR_Value	Paradip I&T	Analog	Delta	mm	0.000			
ES0	DE002	SP6_HR_Value	Paradip I&T	Analog	Delta	mm	0.000			
ES0	DE002	SP7_HR_Value	Paradip I&T	Analog	Delta	mm	0.000			
ES0	DE002	SP8_HR_Value	Paradip I&T	Analog	Delta	mm	0.000			
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ES0	DE002	SP19_HR_Value	Paradip I&T	Analog	Delta	mm	0.000			
ES0	DE002	SP20_HR_Value	Paradip I&T	Analog	Delta	mm	0.000			
ES0	DE002	HD_P101_Disp (mm)	Paradip I&T	Analog	Delta	mm	0.000			
ES0	DE002	HD_P102_Disp (mm)	Paradip I&T	Analog	Delta	mm	0.000			

X-Force Web Configurator Module

- The entire Channel configuration i.e. OPC configuration, maintenance point and other configurations can also be manually done using web – based configurator.
- Web configurator allows user to establish channel between OPC server and Historian server.
- User can configure channel-wise Tags to define the capturing process in Historian

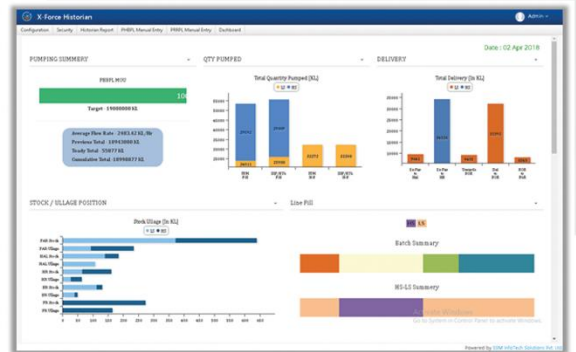


X-Force Reporting Module

- Report Module of the historian allows user to generate analytical reports.
- User can schedule email notification for the respective report whenever required.
- Customized report formats can be define to bind calculations & maintaining standard.
- To share the generated data Export To Document facility is available in respective formats.

Dashboards

- Purpose of Screen and Dashboard module is to represent the data in a graphical format.
- Web based dashboard can be accessed by writing URL in browser of server on which web based application is installed.
- Dashboard provides analytical view of your process data with your own calculation and standard formats.



Integration

- ERP / Central system integration using SAP-RFC / MII / Shared database / XML / Flat files
- ICCC Integration over OPC-DA, HDA, UA
- Rest API for data collection from system.
- Cloud ready with MQTT publisher module.

Our Customers





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An ISO 9001:2015 Certified Company

Surat Head Office | **Ahmedabad Office**

101-302,Raj palace, French Garden, Priya
Hotel Lane,Near Dhiraj Sons, Athwagate,
Surat-395 001, Gujarat, India

Office no.516, Sakar 9, Near old RBI,
Ashram Road, Ahmedabad-380009,
Gujarat,India

Contact:+91 99740 42150

Email:mkt@ssm-infotech.com