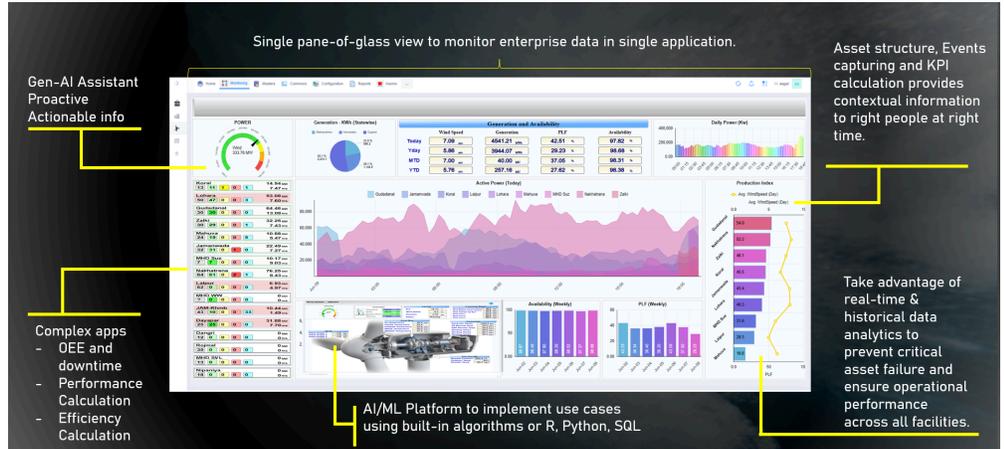# X - Force

Plant Information Platform

Overview

X-Force Plant Information Platform (PIP) is an advanced historian system that collects, stores, and analyses real-time data from PLCs, SCADA, DCS, and IoT devices. Optimized for high-speed, high-volume logging, it ensures reliable access to historical process data for analysis, reporting, and compliance.

Unified Intelligence Platform for Operational Excellence

- Get a single-pane-of-glass view to monitor and manage all enterprise operations from one application.
- Enable Gen-AI-driven proactive insights to ensure timely, actionable decision-making.
- Leverage advanced analytics and AI/ML algorithms for predictive performance and KPI optimization.
- Drive operational efficiency, prevent asset failures, and unlock value from complex industrial data.

Single pane-of-glass view to monitor enterprise data in single application.

Gen-AI Assistant Proactive Actionable info

Complex apps
- OEE and downtime
- Performance Calculation
- Efficiency Calculation

AI/ML Platform to implement use cases using built-in algorithms or R, Python, SQL

Asset structure, Events capturing and KPI calculation provides contextual information to right people at right time.

Take advantage of real-time & historical data analytics to prevent critical asset failure and ensure operational performance across all facilities.

Value Delivered with X-Force PIP

App Engine
Use our pre-build or create your own logic in .net or python.

Connect
OT – OPC-DA/UA, Modbus, DNP, IEC-61850, DLMS IT – ODBC, RESTAPI, IIoT - MQTT Collector Application for remote installation with store/forward capabilities

History
High-performance process historian. 300K per server, 100K Samples/Sec per Server ,Scalable to 5M Tags with distributed architecture

Graphics
Web & Mobile compatible UI/UX interface. Built in graphics library for industry applications.

Asset Structure
Map raw data into actionable insight. Combine process data, engineering data, maintenance, commercial, documents, SOP, Analysis at single place.

Alarms
Define Alarms on data point based on value, deviation, ROC, lookup table or combined conditions. Built in Alarm analytics. Audit / Trail Events for Operator Actions, Security and System Health.
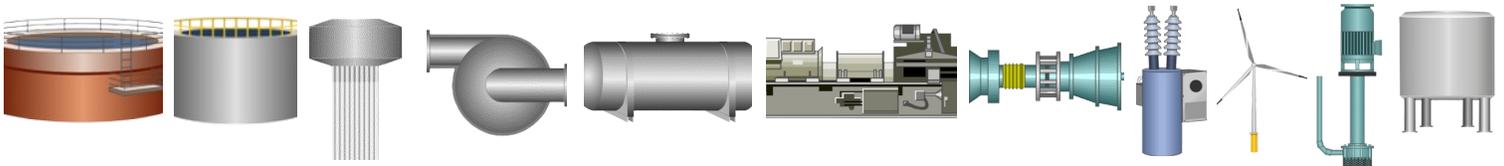

Reports
Define reports based on real-time or aggregated data. Scheduled, Ad-hoc & Customized reports. Intuitive & self-explanatory Dashboard with Runtime changes

AI/ML
Implement your ML use cases in real time with python or R. Inbuilt platform with more than 50 algorithms. Use Generative AI Assistant to answer from your own data, on-premises

Graphics Library

X- Force PIP Trends

- Visualize real-time and historical data trends to identify patterns, anomalies, and performance insights.
- Empower operators and analysts with interactive, high-resolution charts for faster and smarter decision-making.

X- Force PIP Alarms & Reports

- Configure intelligent alarms based on thresholds, deviations, or complex logic with built-in analytics and audit trails.
- Generate real-time and historical reports with customizable formats for actionable insights.

X- Force PIP Report

- Generate real-time and historical reports from process and operational data.
- Customize reports to meet compliance, performance, and production needs.
- Schedule automated reports for timely insights and data-driven decisions.

X - PIP Dashboard / Report and Mobile View

- Monitor plant performance through intuitive, real-time dashboards tailored to your operations.
- Generate detailed reports for analysis, compliance, and strategic decision-making.
- Access critical insights anytime, anywhere with a responsive mobile-friendly interface.

Our Valued Customer

X - PIP Summary

X-Force Plant Information Platform (PIP) is a high-speed historian system that collects and analyzes real-time data from PLCs, SCADA, DCS, and IoT devices. It ensures reliable access to historical data for analysis, reporting, and compliance. Integrated with an AIML Assistant, PIP offers advanced insights, predictive analytics, and automated decision-making to optimize operations.