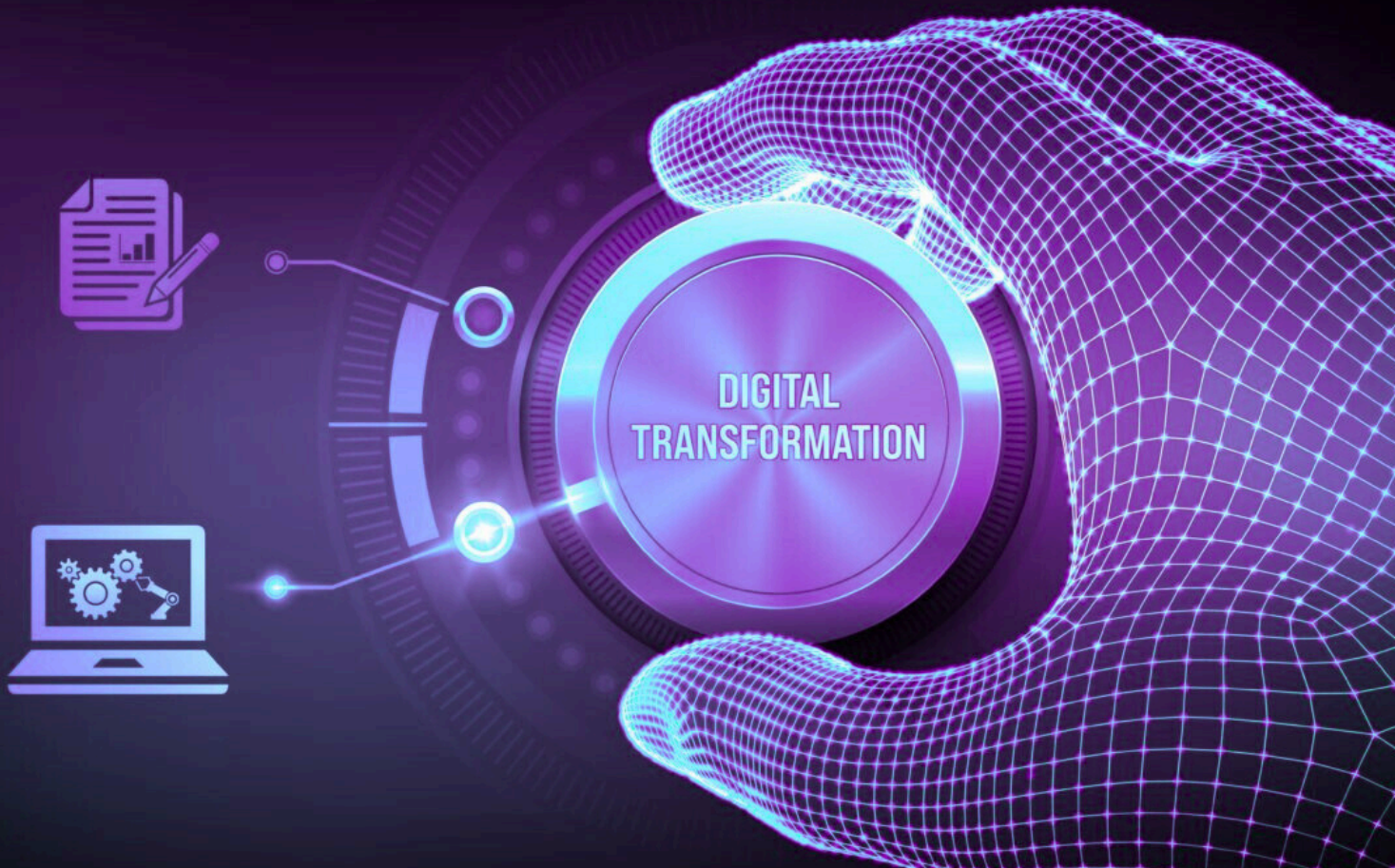




An ISO 9001:2015 Certified Company

X- Force Digitalization

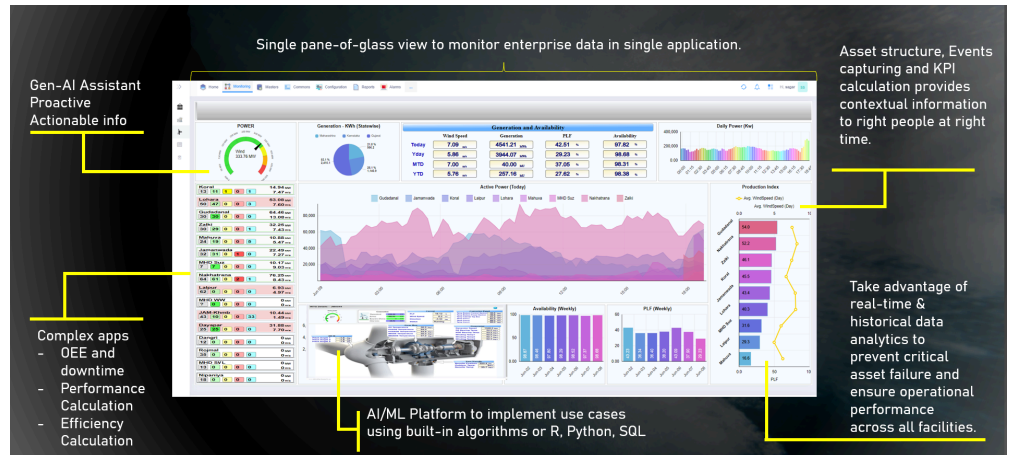
PLANT INFORMATION PLATFORM

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.



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

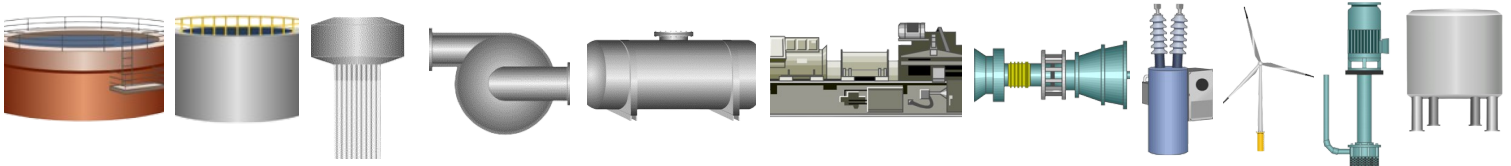
Define reports based on real-time or aggregated data. Scheduled, Ad-hoc & Customized reports. Intuitive & self-explanatory Dashboard with Runtime changes



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.

		Daily Generation Report for		Jamanwada	
		Wind Speed	PLF	Availability	Generation Today
1	WTG Actual Name				
2					
3	JMA038	4.28	6.56	99.93	3306.00
4	JMA041	4.40	9.38	99.86	4728.00
5	JMA042	4.65	9.73	99.93	4906.00
6	JMA044	5.42	14.80	99.86	7460.00
7	JMA052	5.44	15.99	99.93	8058.00
8	JMA053	5.36	11.64	99.17	5869.00
9	JMA054	5.40	11.19	99.72	5638.00
10	JMA055	6.71	18.50	99.72	9326.00
11	JMA056	6.24	15.13	89.58	7626.00
12	JMA057	6.24	16.21	99.86	8169.00
13	JMA100	4.89	11.68	99.86	5886.00
14	JMA102	5.14	12.00	98.82	6048.00
15	JMA103	4.64	7.87	99.86	3967.00
16	JMA104	4.85	9.72	99.93	4901.00
17	JMA106	4.27	7.83	99.86	3946.00
18	JMA108	4.48	6.41	98.89	3232.00
19	JMA113	5.48	15.33	99.93	7728.00
20	JMA128	4.56	7.75	99.93	3906.00
21	JMA131	4.37	9.15	99.93	4610.00
22	JMA134	4.59	10.19	98.96	5137.00
23	JMA162	5.86	16.35	99.86	8240.00
24	JMA168	5.43	15.70	99.86	7915.00
25	JMA182	4.66	8.33	99.93	4199.00
26	JMA183	4.92	9.05	99.10	4559.00
27	JMA197	5.18	13.69	99.93	6901.00
28	JMA199	5.15	15.03	99.86	7574.00
29	JMA200	5.91	18.69	99.86	9421.00
30	JMA203	5.53	16.95	99.93	8545.00

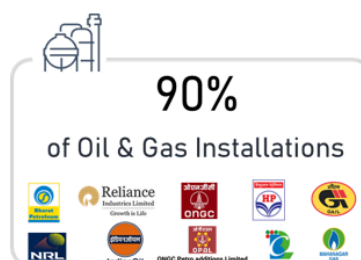
		Monthly WindSpeed									
Wtg Name	01-02-2023	02-02-2023	03-02-2023	04-02-2023	05-02-2023	06-02-2023	07-02-2023	08-02-2023	09-02-2023	10-02-2023	11-02-2023
GZA01	5.33	6.81	5.48	4.88	5.07	4.77	2.77	4.92	5.64	4.28	5.48
GZA02	5.39	6.81	5.41	4.89	5.01	4.77	2.82	5.19	5.4	4.88	5.48
GZA03	5.98	6.36	5.23	4.67	4.69	4.56	2.81	4.84	4.58	4.41	5.48
GZA04	6.44	6.57	5.12	4.59	5.12	4.8	2.87	5.46	4.85	4.58	5.48
GZA05	6.17	6.75	5.39	4.73	4.96	4.97	2.89	5.22	4.76	4.48	5.48
GZA06	5.87	6.51	5	4.26	4.59	4.64	2.86	4.67	4.67	4.03	5.48
GZA07	6.1	6.97	5.45	4.73	5.07	5.11	2.89	5.18	4.82	4.69	5.48
GZA08	6.1	6.92	5.5	4.73	5.28	5.25	2.89	4.74	4.89	4.76	5.48
GZA09	6.36	6.45	5.63	4.59	5.23	5.34	2.93	4.63	4.48	4.66	5.48
GZA10	6.11	6.4	5.32	4.74	4.7	4.8	2.55	5.3	4.6	4.29	5.48
GZA11	6.53	6.86	5.72	4.53	5.06	4.84	2.89	4.95	4.81	4.66	5.48
GZA12	6.25	6.92	5.48	4.5	5.05	4.78	2.75	5.03	4.66	4.58	5.48
GZA13	6.45	6.81	5.45	4.89	5	4.9	2.75	4.92	4.58	4.56	5.48
GZA14	6.62	7.5	6.13	4.85	5.5	5.24	2.75	5.42	5.1	4.89	5.48
GZA15	6.55	7.16	5.44	4.55	5.2	5.07	2.74	5.3	4.81	4.77	5.48
GZA16	5.95	6.46	5.39	4.77	4.87	4.57	2.58	5.05	4.8	4.72	5.48
GZA17	6.54	7.21	6.01	5	5.72	5.15	2.68	5.49	4.99	4.79	5.48
GZA18	4	4	4	4	4	4	4	4	4	4	5.48
GZA19	6.64	7.14	5.78	4.88	5.35	5.17	2.64	5.2	4.87	5.01	5.48
GZA20	6.86	7.56	6.17	5.39	5.5	5.15	2.74	5.47	5.35	5	5.48
GZA21	6.35	6.94	5.63	4.12	5.25	5.03	2.69	5.13	4.85	4.96	5.48
GZA22	6.77	6.71	5.69	4.38	5.38	5.1	2.5	5.14	4.84	4.59	5.48
GZA23	6.05	6.65	5.56	4.29	5.48	5.3	2.52	4.45	4.56	4.58	5.48
GZA24	6.38	7.32	5.91	4.51	5.68	5.24	2.61	4.51	4.92	4.91	5.48
GZA25	6.47	7.3	5.92	4.26	5.45	5.2	2.57	4.57	4.82	4.89	5.48
GZA26	6.18	6.68	5.39	4.66	4.98	4.73	2.64	4.75	4.48	4.67	5.48
GZA27	6.34	6.8	5.53	4.07	5.15	4.84	2.63	4.91	4.58	4.62	5.48
GZA28	6.48	7.01	5.91	5.69	5.61	5.48	2.64	5.45	5.27	5.14	5.48
GZA29	6.48	7.01	5.91	5.69	5.61	5.48	2.64	5.45	5.27	5.14	5.48

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.