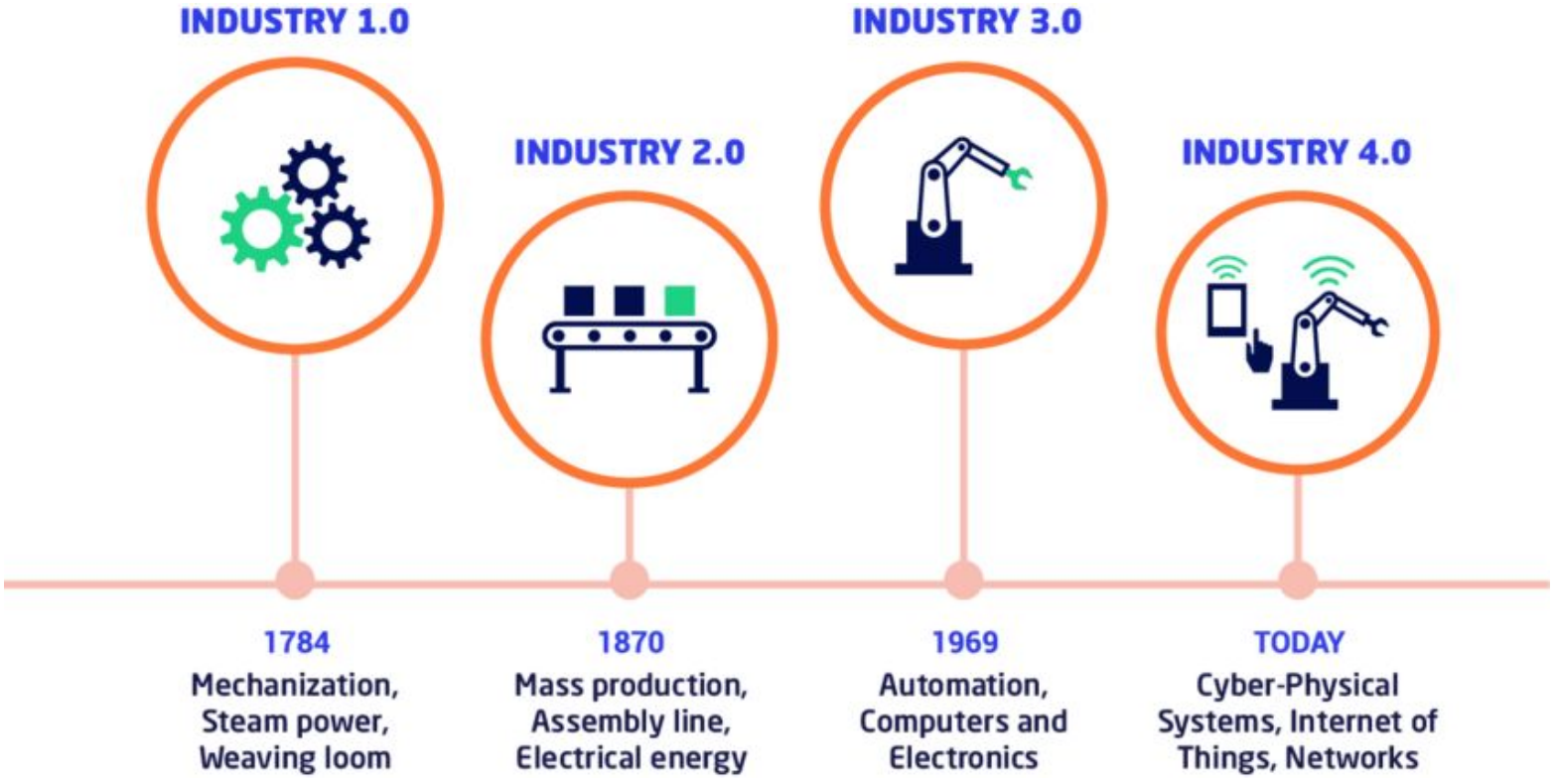
Hikar Industrial IoT

In Strategic Partnership with

https://hikartech.com/#contact-us

Advanced Automation | Smart Machine | Digital Factory

Industrial Revolution...



Our Area Of Focus...

$50 billion

lost in unplanned downtime around the world's industries affecting Safety & Productivity

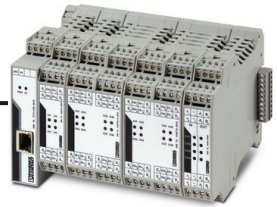
Source: 2020 Deloitte Report on Predictive Maintenance

AMS on Cloud - IIoT Based Field Instruments Asset Health Monitoring

Hikar IIoT Cloud Infra

HART-IP

Remote IOs

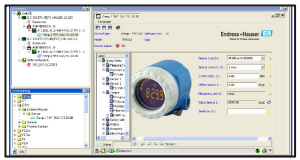


PHOENIX CONTACT

NOA
IIoT Server

PLC NEXT

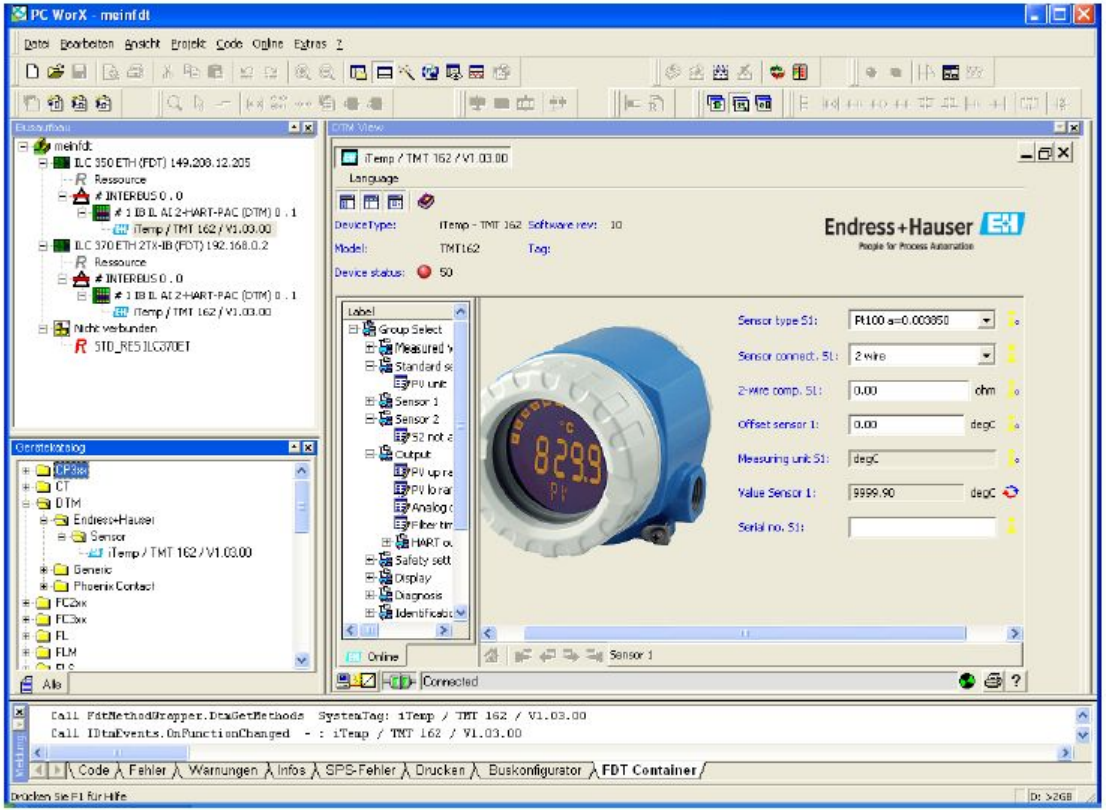
Field IOs



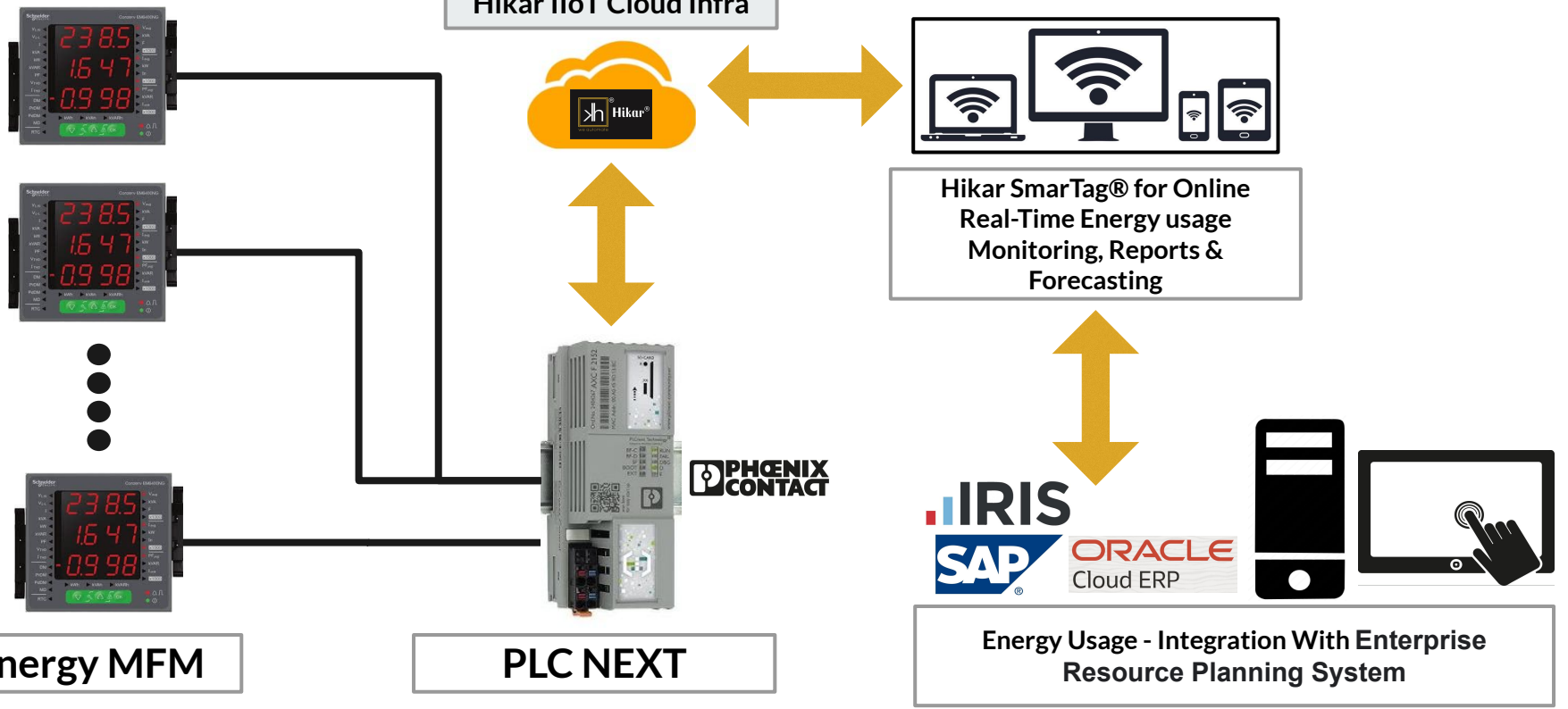
Hikar SmarTag® for Online Real-Time Monitoring, Control, AI / ML Analysis

Remote Calibration, Central Access & Prediction of Asset Health

We are the member of the FDT group

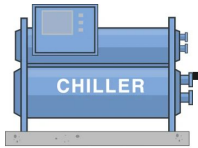


EMS on Cloud: Centralized IIoT based Energy Monitor, Management and Saving Modules



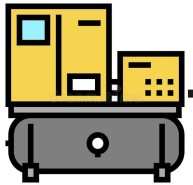
IIoT Based Centralised Utility Management with Cloud / Local SCADA

Hikar IIoT Cloud Infra



CHILLER

BOILER



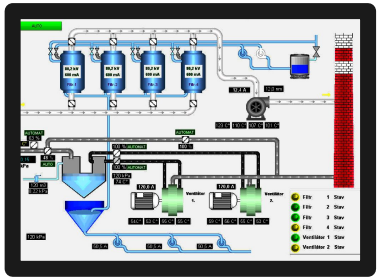
COMPRESSOR

N2 PLANT

DGs

Hikar SmarTag® for Online Real-Time Utility Equipment Monitoring, Control & Reports

PLC NEXT



LOCAL SCADA

DCS - IIoT Integration: Monitoring of DCS critical Parameters Remotely on Smart Devices

Hikar

PHOENIX CONTACT

Modbus MEMBER

Schneider Electric

Encompass Product Partner

ODVA

e-Factory Partner Product

SIEMENS

HITACHI Inspire the Next

OMRON

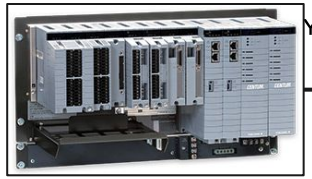
MITSUBISHI ELECTRIC FACTORY AUTOMATION

ABB

VIPA A YASKAWA COMPANY

ABB

ABB DCS



YOKOGAWA

YOKOGAWA DCS

EMERSON

EMERSON DCS

Critical Parameters

Hikar IIoT Cloud Infra

Hikar

OPC UA

PHOENIX CONTACT

PLC NEXT

Hikar SmarTag® for Online Real-Time Monitoring of DCS Critical Parameters Remotely

Alerts: SMS & EMail

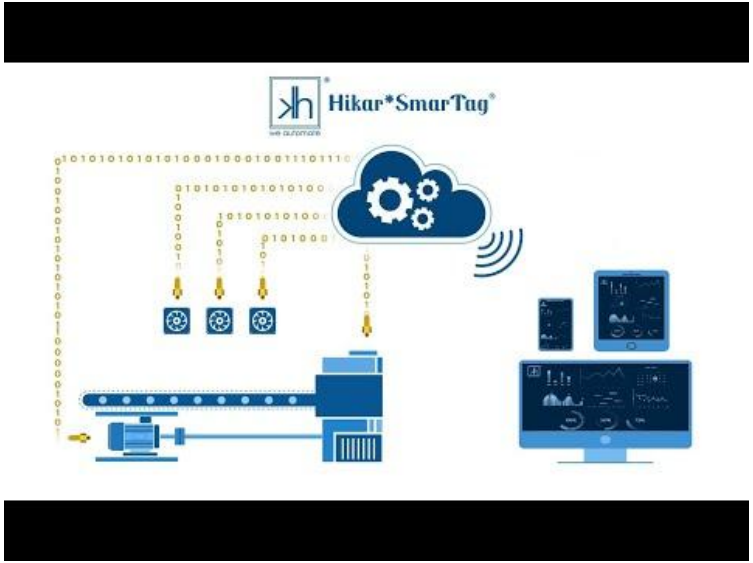
Real-Time Remote Monitoring & Control

Tag Data Collection

Advanced Data Analysis Tools

Data history & Trends

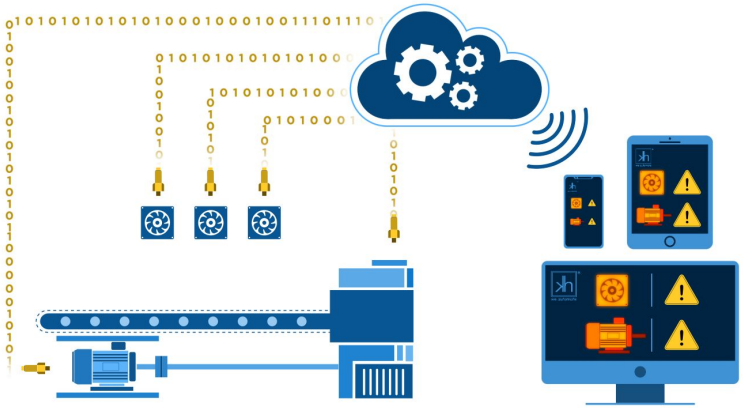
SmarTag® - Listen To The Heartbeat Of Your Machines...



Real-Time, Online Operations, Monitoring & Maintenance Of Machines & Plants From Anywhere In the World.

See Future Failures in Advance

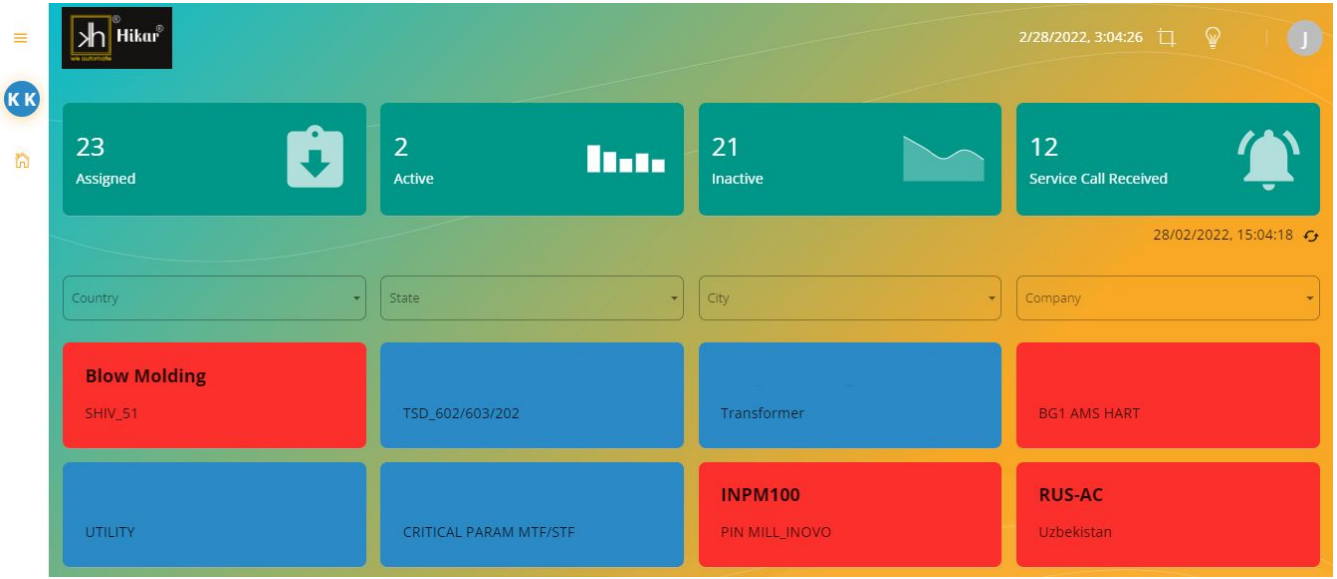
SmarTag® - Listen To The Heartbeat Of Your Machines...



- Smartag® is end-to-end AI/ ML based Industrial IoT solution bringing intelligence to the machines and Plant with **zero additional investment.**
- Providing predictive alerts on asset health to see the future failures of machine equipments in advance
- Benefits: increased productivity, decreased unplanned downtime, improved service quality & reduced manufacturing costs.

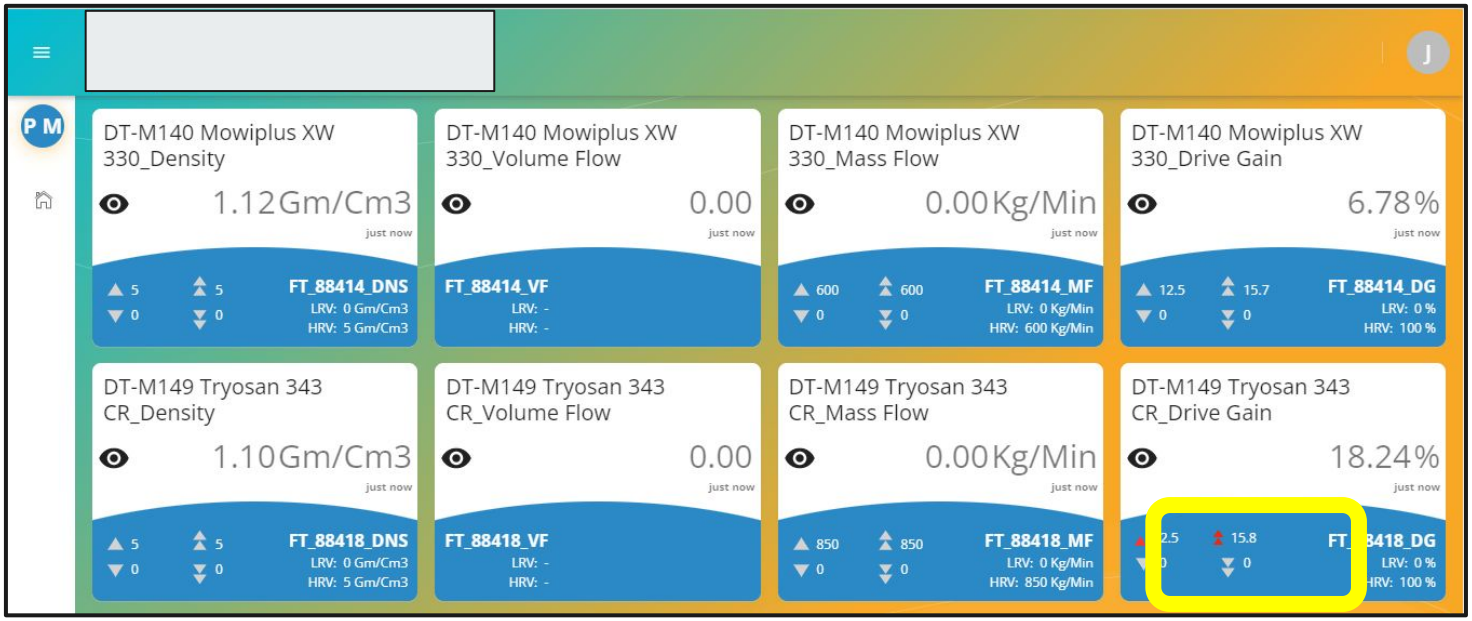
Hikar Provides Industrial IoT environment where your equipment monitors itself and lets you know when it needs maintenance before adversely impacting Safety, uptime & Productivity.

SmarTag® - CLOUD PLATFORM



Customized overview Dashboard for all the machines & plants, installed at different locations, to real-time online monitor from the single cloud platform.

Online Real-Time Parameter Monitoring

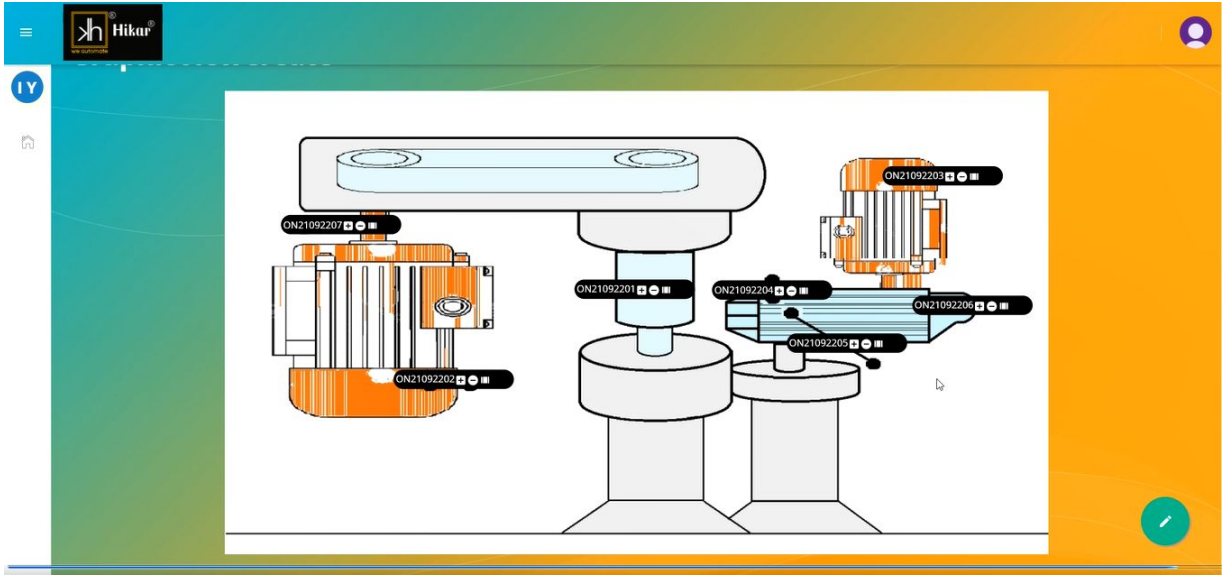


Real-time Online monitor & control of each machine / plant parameters from the dashboard.

Online Real-Time Parameter Monitoring

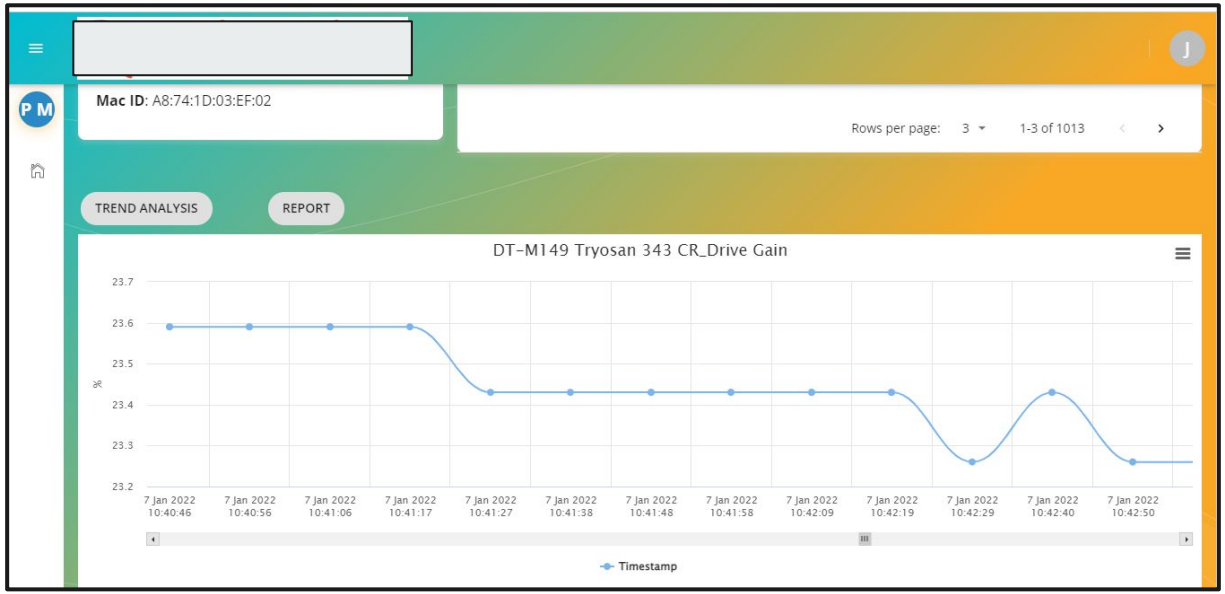
Real-time Online monitor & control of each machine / plant parameters from the dashboard - Table View.

Online Real-Time Parameter Monitoring



Real-time Online monitor & control of each machine / plant parameters from the dashboard - Graphic View.

History, Reports & Trends



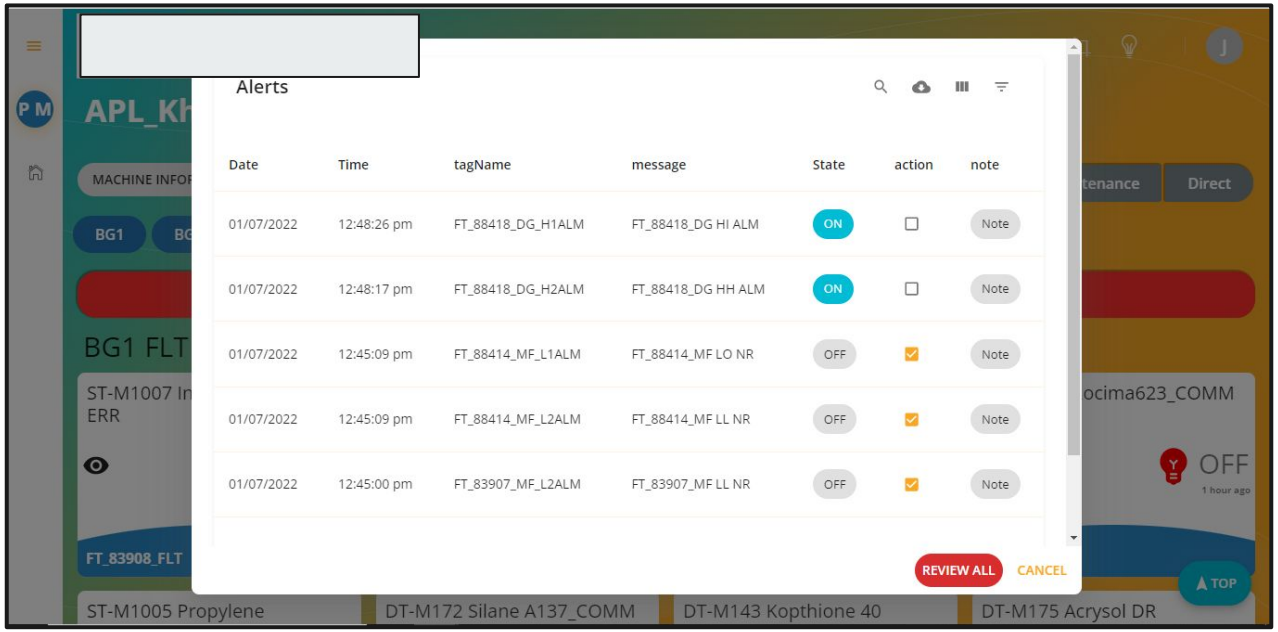
History & trends of each parameter of machine and plant for the detailed analysis, maintenance & troubleshooting

History, Reports & Trends

Tag No:	FT_83908_DG	
Value	Date	Time
9.64	02/28/2022	3:45:59 pm
9.68	02/28/2022	3:45:49 pm
9.68	02/28/2022	3:45:38 pm
9.66	02/28/2022	3:45:28 pm
9.69	02/28/2022	3:45:18 pm
9.69	02/28/2022	3:45:07 pm
9.69	02/28/2022	3:44:57 pm
9.68	02/28/2022	3:44:47 pm
9.68	02/28/2022	3:44:36 pm
9.66	02/28/2022	3:44:26 pm
9.69	02/28/2022	3:44:16 pm
9.69	02/28/2022	3:44:06 pm
9.66	02/28/2022	3:43:55 pm
9.68	02/28/2022	3:43:45 pm

History & trends of each parameter of machine and plant for the detailed analysis, maintenance & troubleshooting

Alerts On Dashboard



Alerts, Email & message on the occurrence of critical event with overview blinking of machine & plant for quick action.

Alerts On Email & SMS

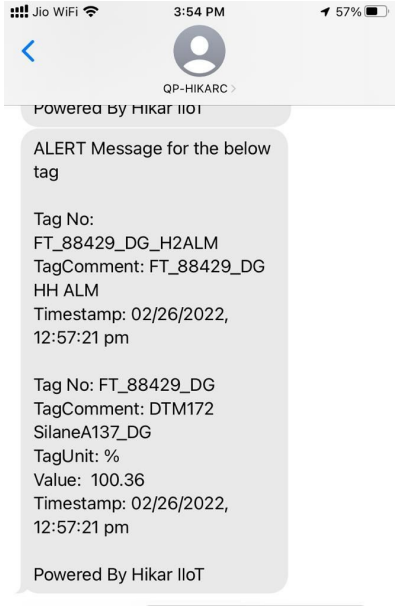
Alert - Hikar IIoT

Hikar IIoT <info@hikartech.in>
To and 9 others 2:51 PM

Reply Reply all Forward Delete

TagName	TagComment	Alert Message	Timestamp
FT_88427_DG_H1ALM	FT_88427_DG ALRM STS	FT_88427_DG HI ALM	02/28/2022, 2:51:54 pm

TagName	TagComment	Value	Unit	Timestamp
FT_88427_DG	DTM170 Ortn1288_DG	30.04	%	02/28/2022, 2:51:54 pm
FT_88427_DG_L1	FT_88427_DG SP LO	0	Kg/Min	02/21/2022, 6:14:14 pm
FT_88427_DG_L2	FT_88427_DG SP LL	0	Kg/Min	02/21/2022, 6:14:18 pm
FT_88427_DG_H1	FT_88427_DG SP HI	30	Kg/Min	02/23/2022, 3:43:17 pm
FT_88427_DG_H2	FT_88427_DG SP HH	50	Kg/Min	02/22/2022, 2:27:05 pm

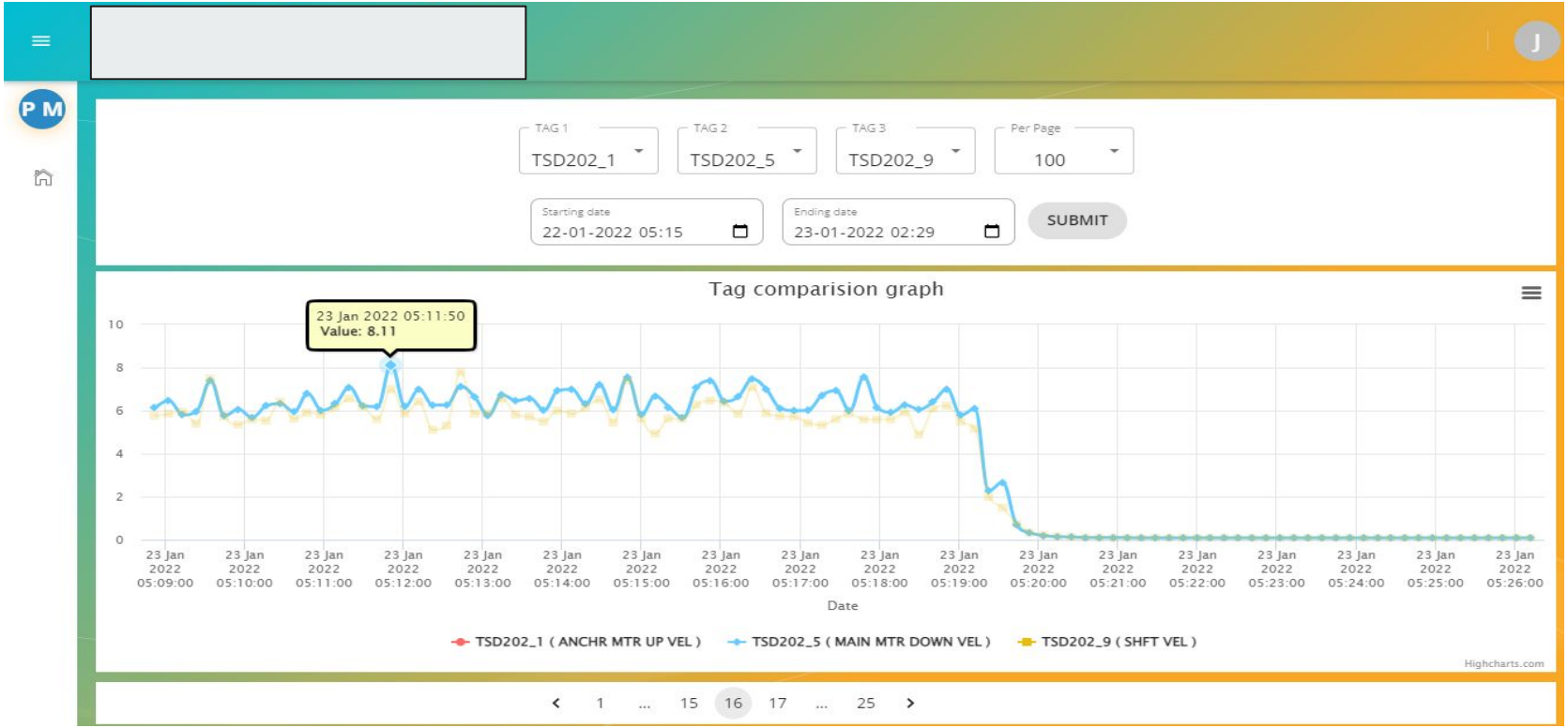


Alerts, Email & message on the occurrence of critical event with overview blinking of machine & plant for quick action.

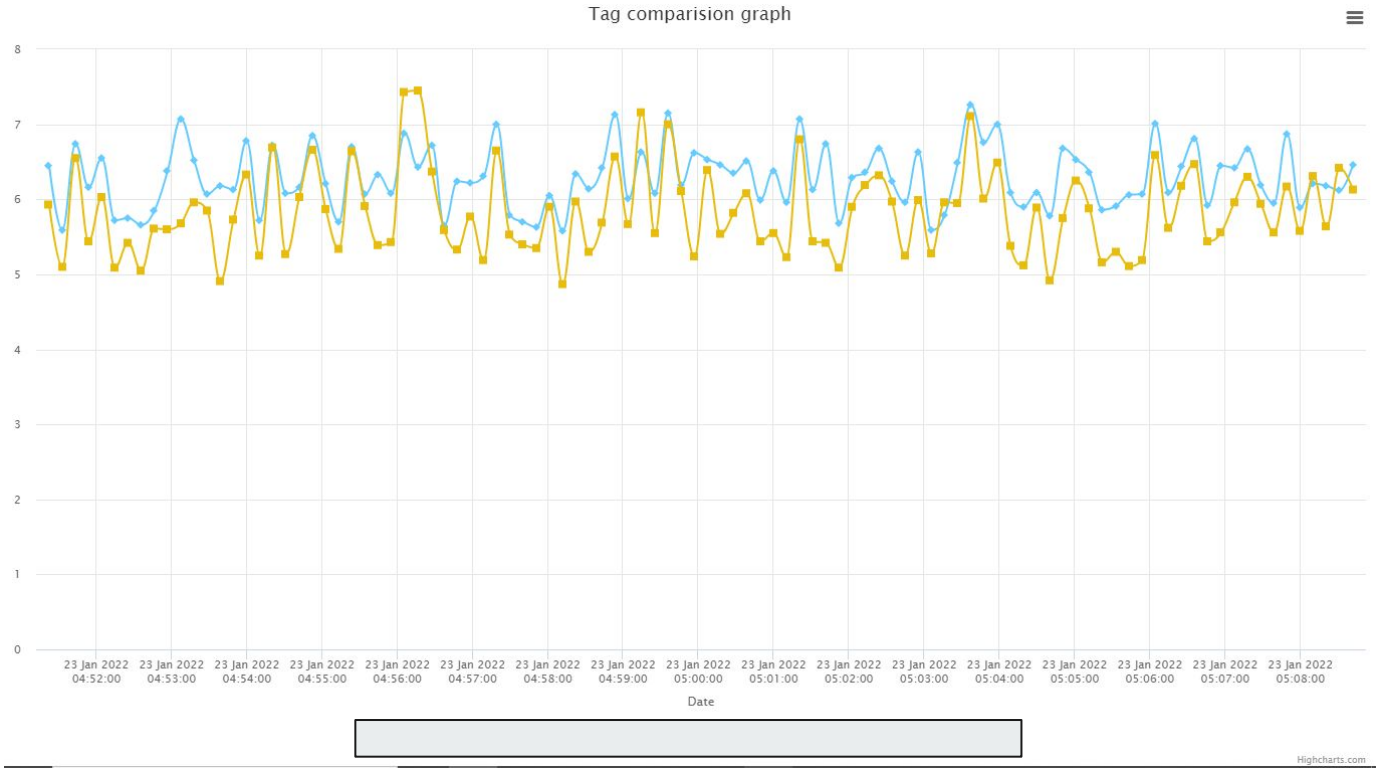
Advanced Analysis: Trend Comparison

Multiple Trend comparison of parameters for advanced insights & analysis for optimized quality control & troubleshooting.

Advanced Vibration Component Analysis



High Speed Vibration / FFT data components



PLC NEXT: A POWERFUL REMOTE ACCESS IoT GATEWAY

+

LOCAL DASHBOARD

+

REMOTE SCADA
CLOUD DASHBOARD
ADVANCED DATA ANALYSIS TOOLS

For **All Connected Devices (ILCs Too!)**

Hikar
we automate

PHOENIX CONTACT

Modbus MEMBER

Collaborative Automation by Schneider Electric

Encompass Product Partner

ODVA

e-F@ctory Partner Product

SIEMENS

HITACHI Inspire the Next

OMRON

MITSUBISHI ELECTRIC FACTORY AUTOMATION

ABB

VIPA A YASKAWA COMPANY

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Alerts: SMS & EMail

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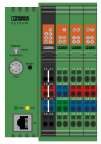
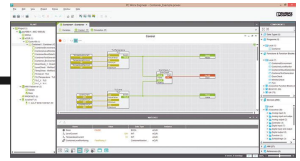
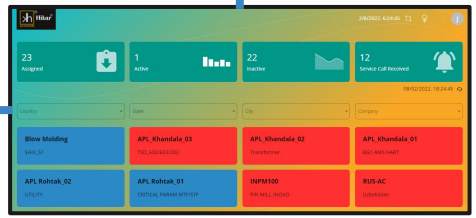


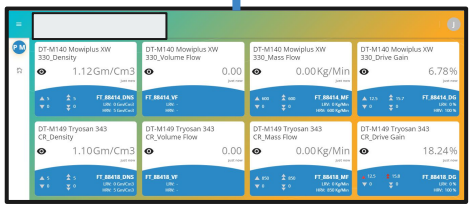
Remote Access:
All Networked Device

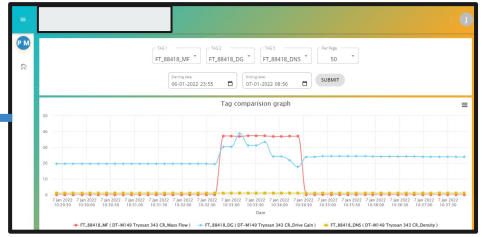


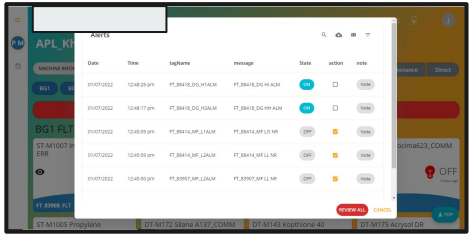
WEB HMI:
All Networked HMI

CLOUD SCADA/ HISTORY / TRENDS/ REPORTS









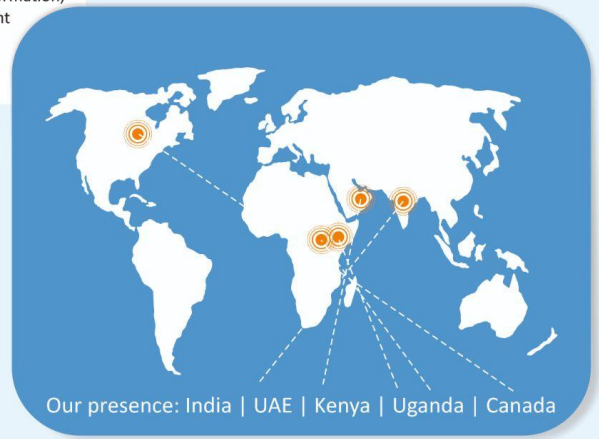
In Dialog With Customers And Partners Worldwide

Hikar is a globally present, India-Based technology company focused in the field of industrial IoT (IIoT) 4.0 and Smart Manufacturing Solutions with industrial Automation. A global Network across more than 4 countries, and 150 employees ensure a close proximity to our customers, which we believe is particularly important. With Our Innovative Products and solutions, we take responsibility to make our clients competitive in the world market and to make Manufacturing more profitable than ever before. Along with this, manufacturing innovation realizes digital transformation, Creating innovative solutions for specific industries and requirements with the right technology and that is what drives us. Now is the time to start ! To innovate and operate in a more flexible, cost effective and sustainable way Realize your digital transformation with Hikar Industrial IoT.

HIKAR In Strategic Partnership With PHOENIX CONTACT

PHOENIX CONTACT

Hikar



You will Find More Details at: www.hikartech.com

Hikar

Hikar® Technomation Pvt. Ltd.

Industrial Consultant - Project Designer

With Expertise in Predictive Maintenance and IoT based Smart Factory Solution

Web: www.hikartech.com | Email: info@hikartech.in | sales@hikartech.in

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