

IoT System

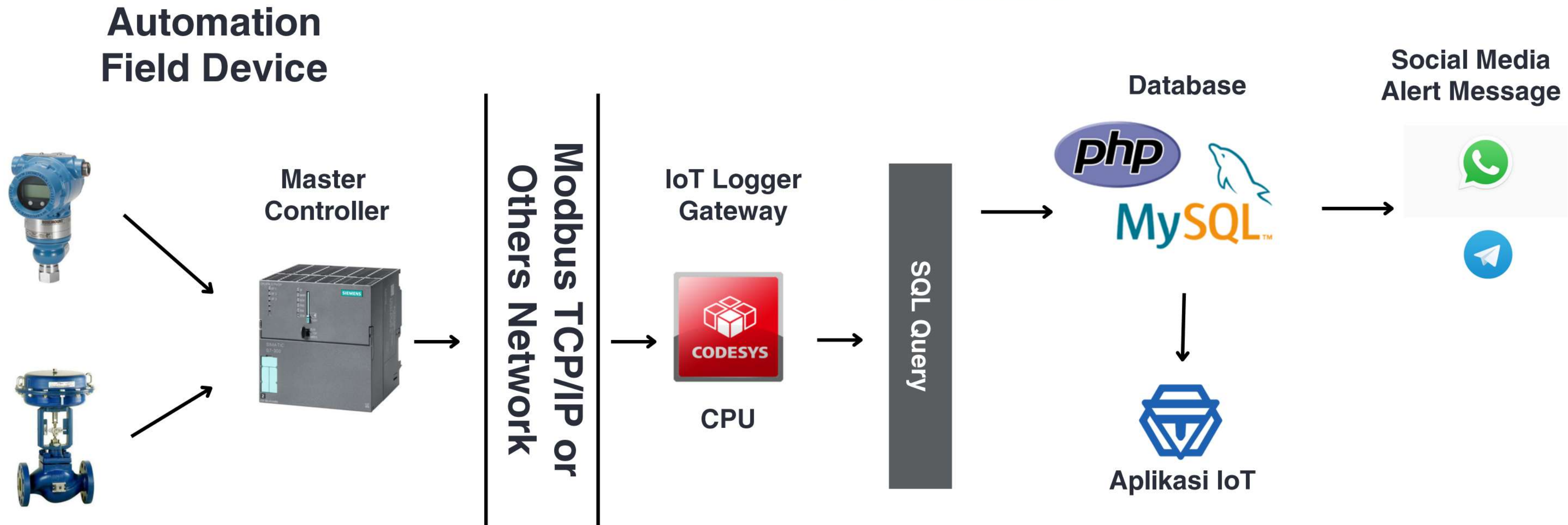
Industrial 4.0 Road to Digitalization



IoT System Architecture

Realtime monitoring, Quick Alert abnormality, Responsive

IoT Structure



IoT System Overview

Integrated Sensors Coverage

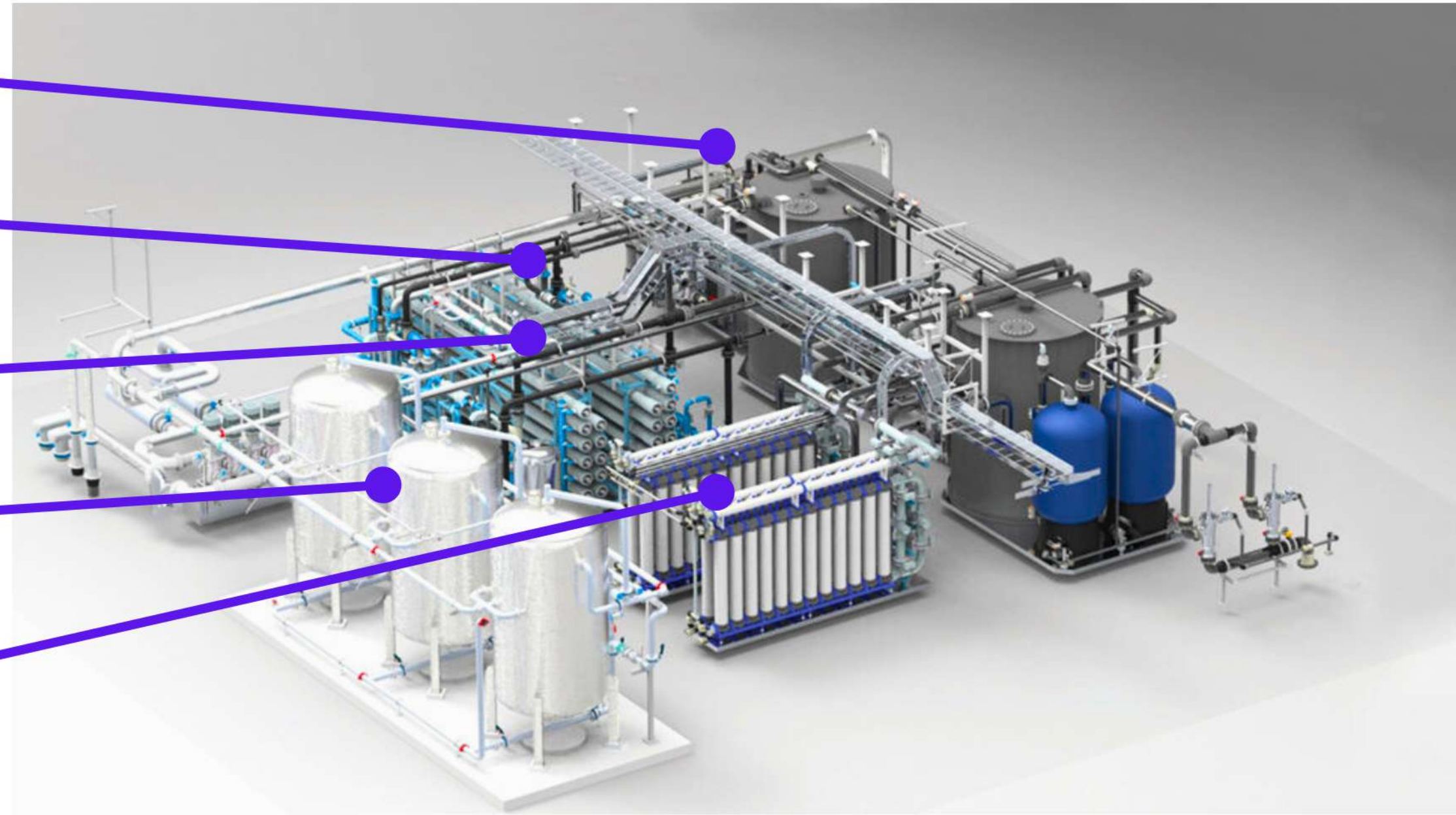
Real Time Power Monitor

Real Time Process Monitor

Flow Sensor

Pressure Sensor

Temperature Sensor



Connecting Your Sensing Device To User Friendly Interface



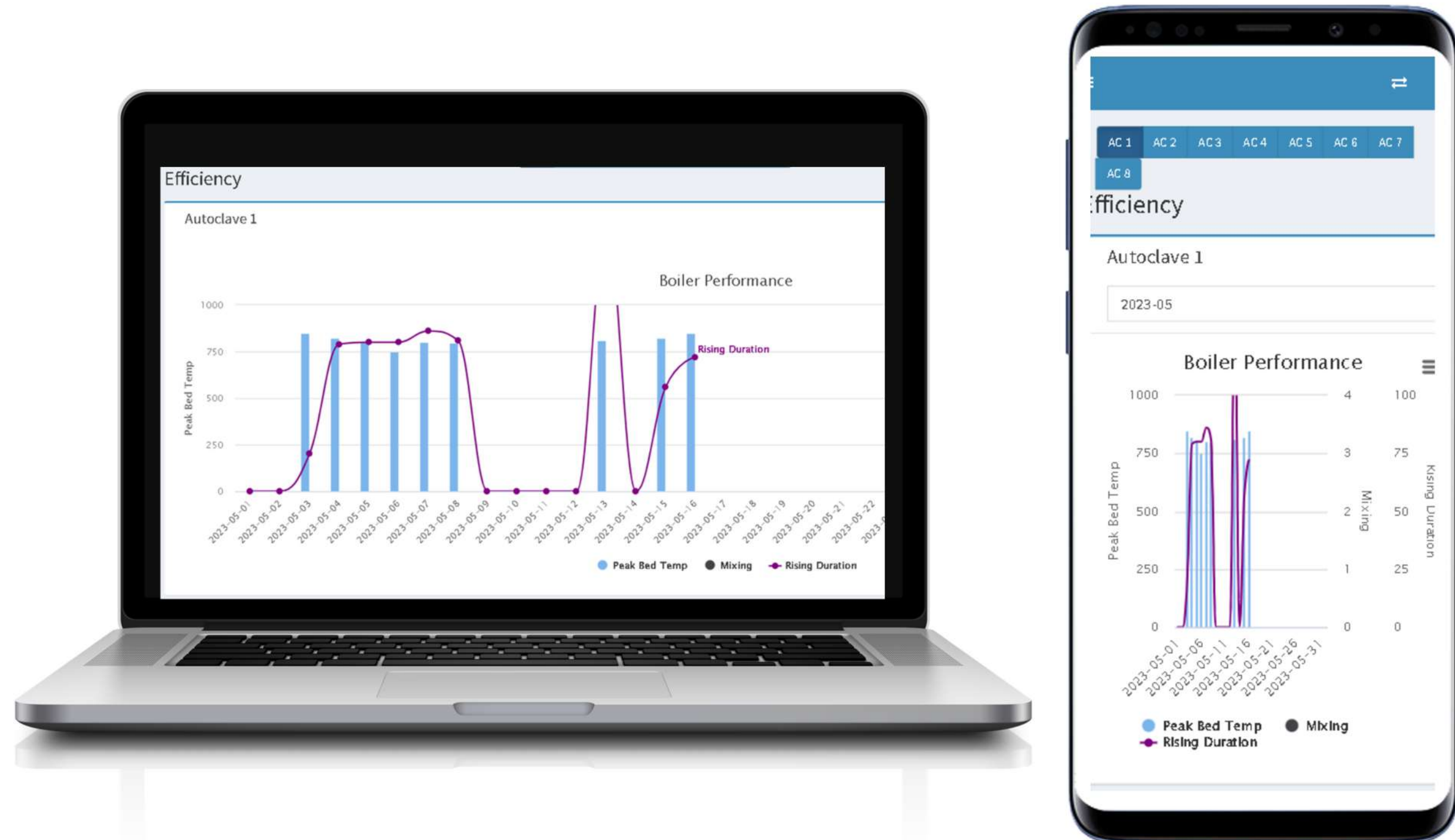
SMART ASSISTANT & APPLICATION



Realtime monitoring, Quick Alert
abnormality, Responsive

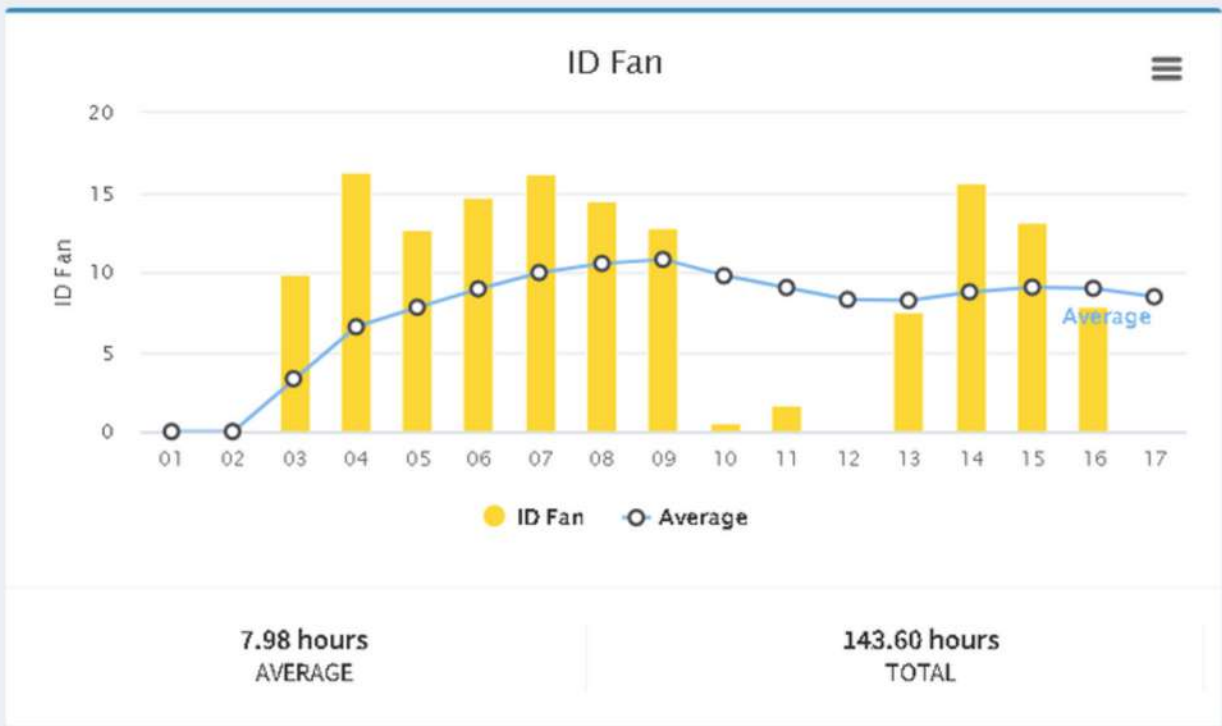
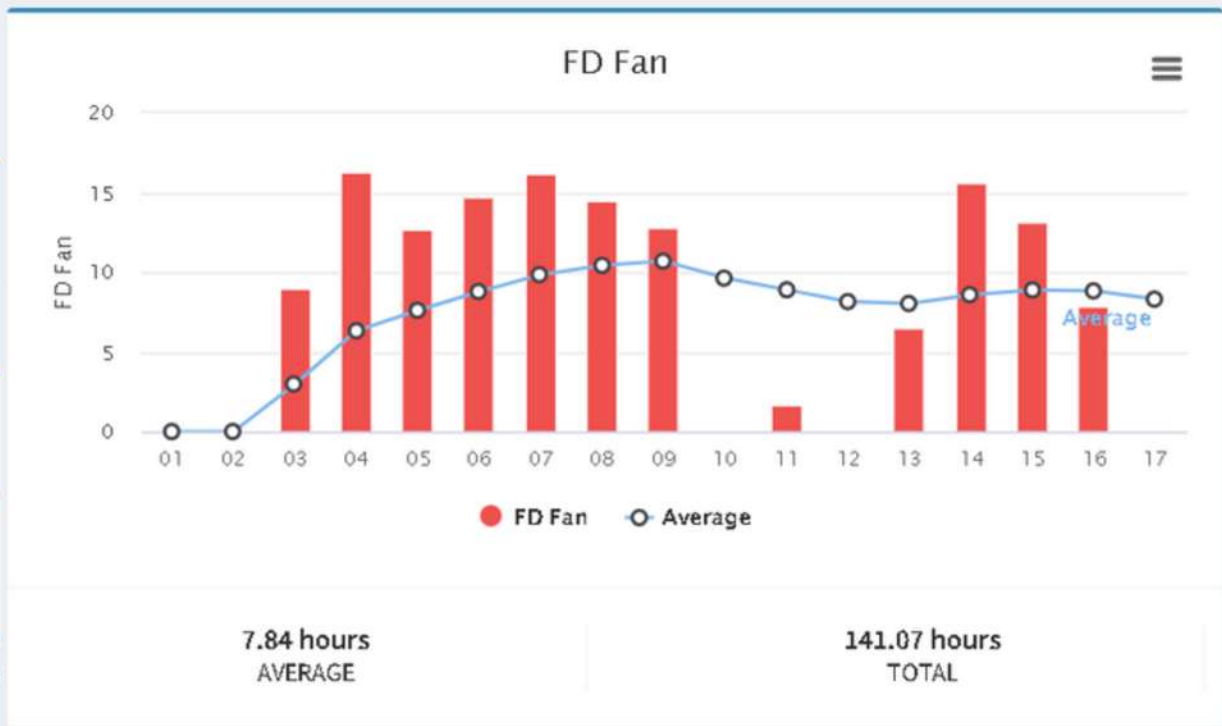
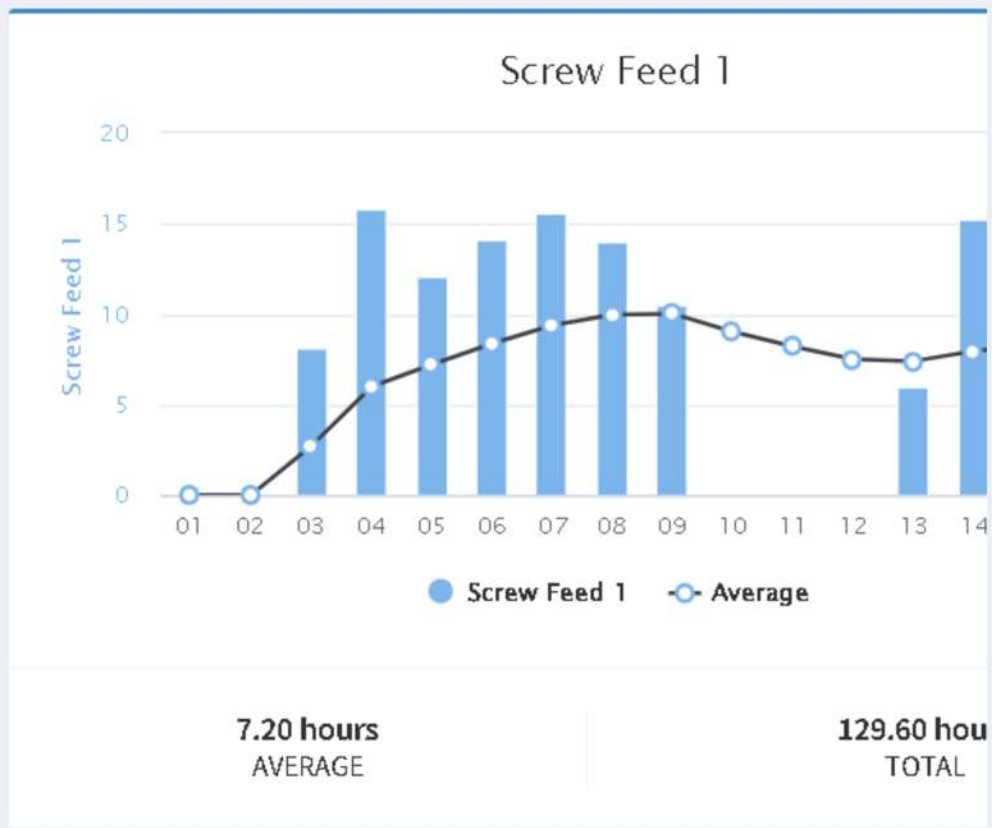
Realtime Sensor Monitoring

All parameters sensor of the machine is online can be access anywhere anytime



Data Running Hours

Boiler's Running Hour offline record

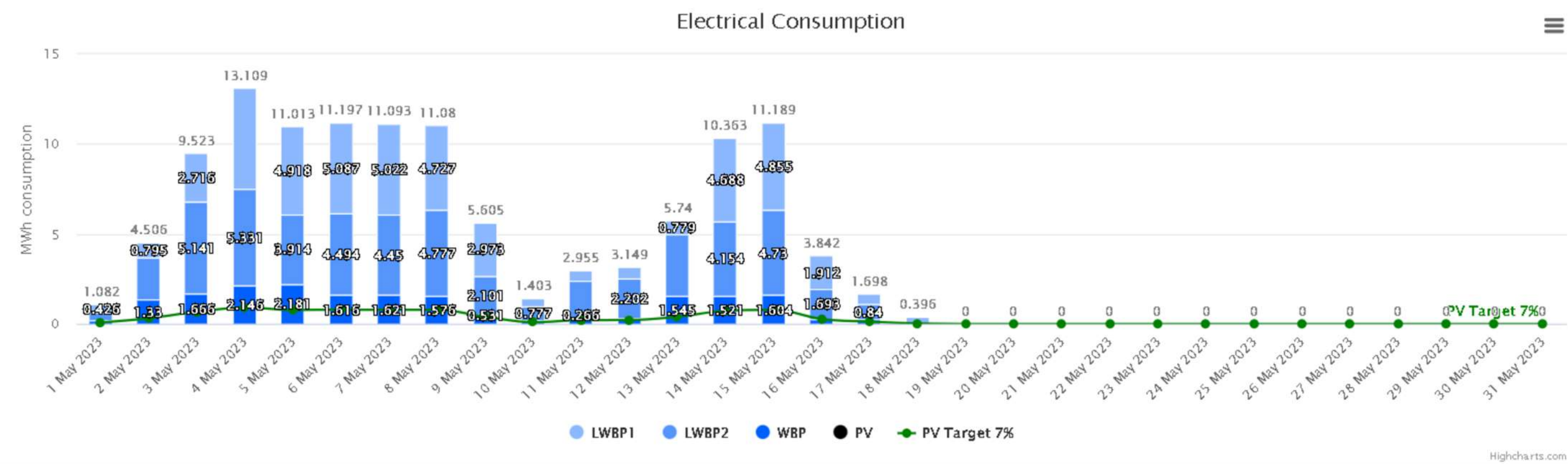


Power Monitoring Consumption

Monthly estimator, Session: May 2023, Price: 1300.600 IDR/kWh Update Price

2023-05-18

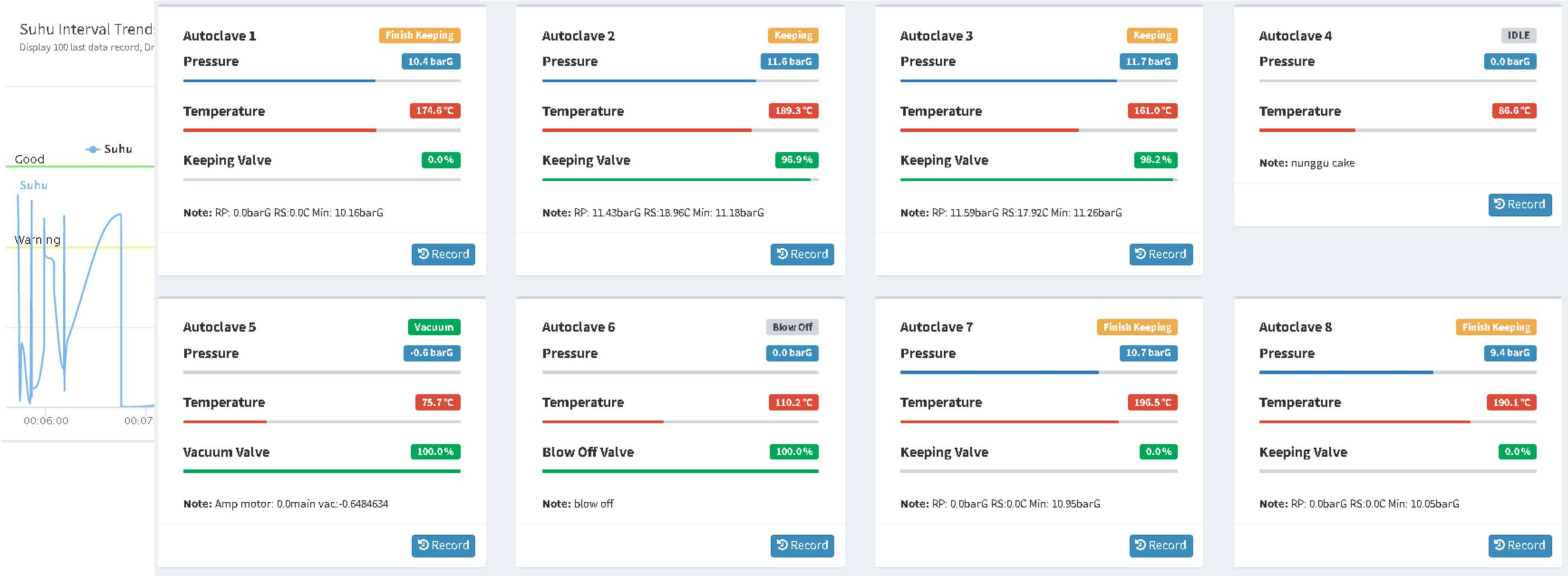
Search



LWBP-1 61.258.882 IDR 47.100 KWH Limit 186.816 kwh -0 IDR LWBP-1 DISC	LWBP-2 68.968.781 IDR 53.028 KWH ▲100% (include dis) 154.696.739 IDR TOTAL	WBP 24.469.076 IDR 18.814 KWH ▲0.00% 0 IDR PV SAVING	PV 0 IDR 0 KWH ▲100.00% 154.696.739 IDR PAY TO PLN
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Realtime monitoring, Quick Alert abnormality, Responsive

Realtime Sensor Monitoring



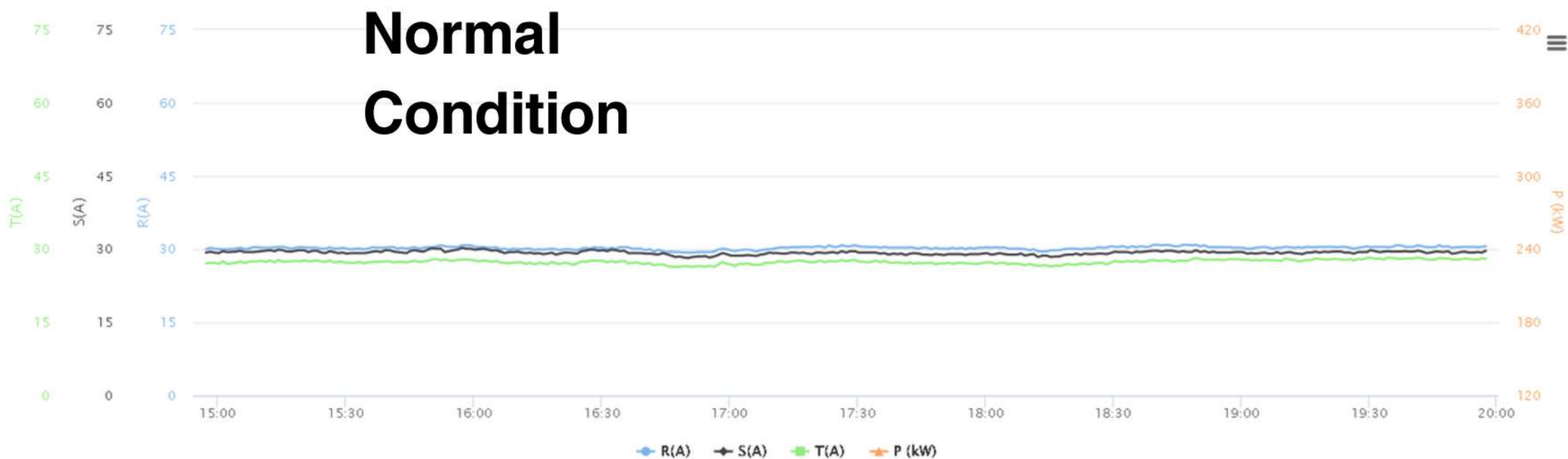
Realtime monitoring, Quick Alert abnormality, Responsive

Abnormality Alarm

SEPAM 6kV QMC-2

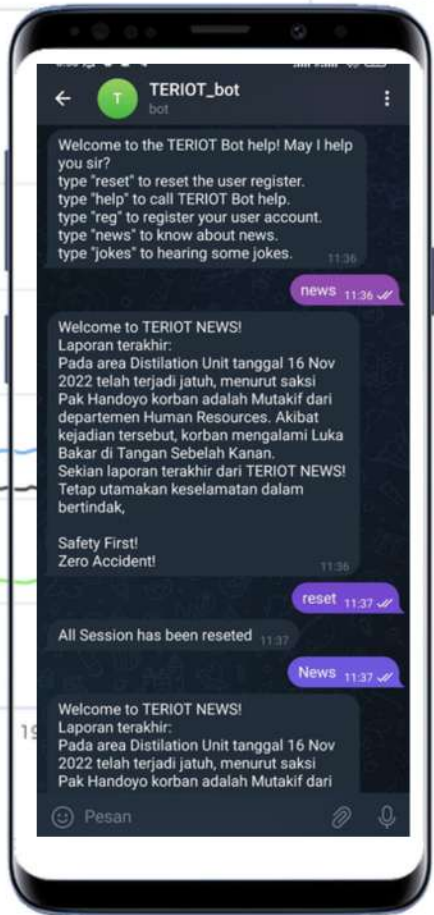
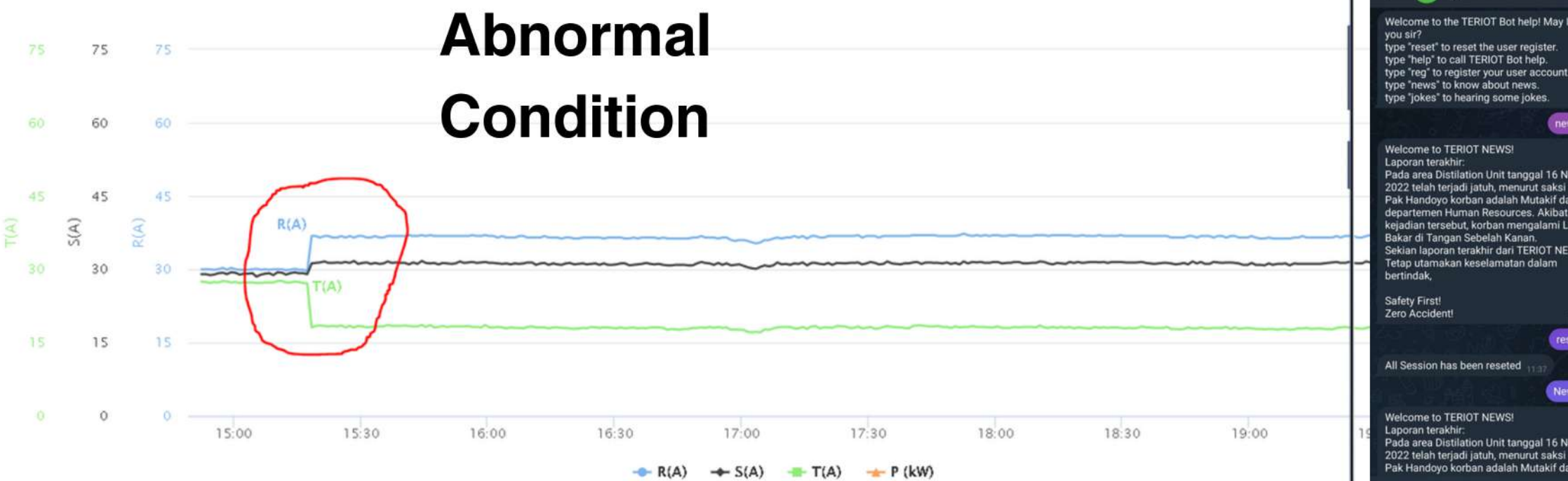
2022-05-29 00:00:00

Download Excel



SEPAM 6kV QMC-2

2022-05-30 00:00:00



IoT System

Benefits



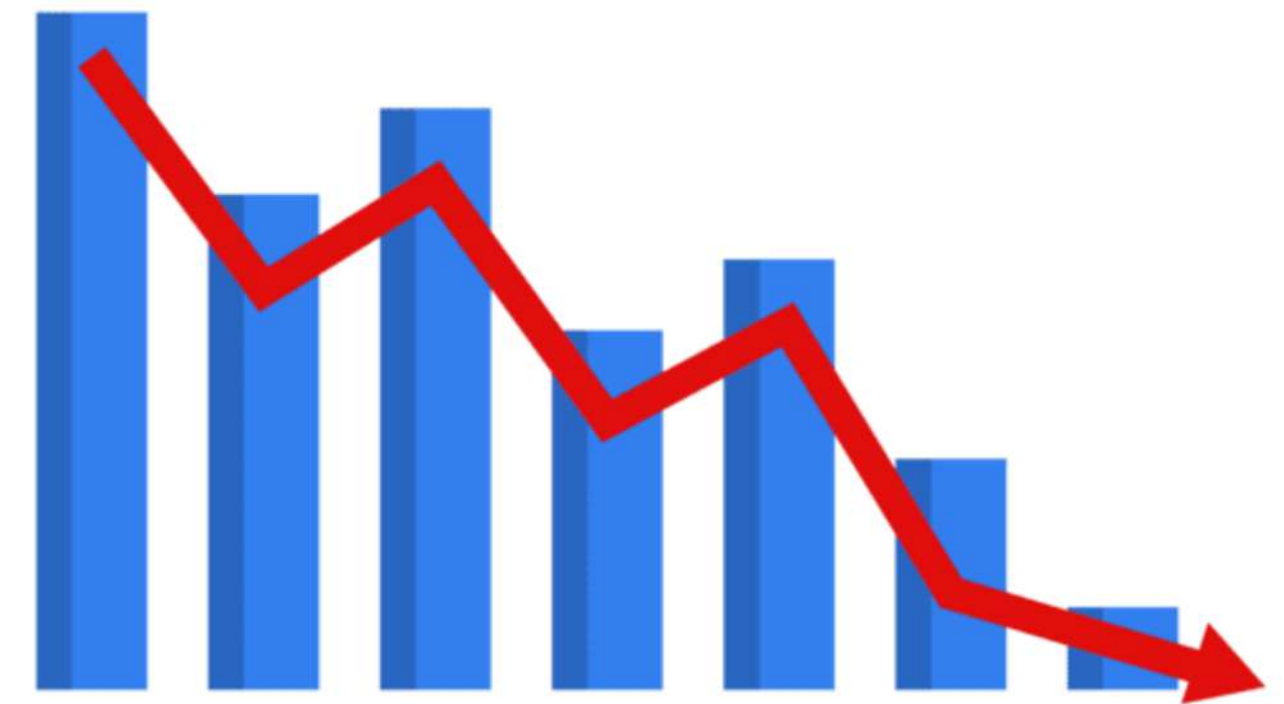
Quick decision for the best performance



Quick action response from the abnormal condition



Raise the effectivity and efficiency



GOOD CHOICE TO REDUCE
Unplanned Breakdown Cost

Hardwire Requirement IoT System

Server :

- CPU 16 Core Intel
- RAM 48-72 GB
- HDD 1x1 TB /SSD
- Brand : Lenovo IBM/ etc
- OS : Ubuntu Server 18.04
- RDB : MySQL
- Lang : Php 8.1+
- Framework : NginX, CI, NodeJs. Etc

PLC Controller:

- Network : Modbus TCP/IP, Profibus or etc
- Modul Logger : Teriot Logger Device
- Slave Controller : Beckoff, Siemens, Omron, Allen-Bradley, MasterOPC, WAGO

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Thank
You

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