

BearIoT

ESG IoT Platform

Surachai Pitakpongputorn

CEO & Co-Founder 110+





APICTA
THE ASIA PACIFIC ICT
ALLIANCE AWARDS
HONG KONG 2023



WINNER

BeaRiOt: Shopfloor IoT Solution
One Ten Plus Co., Ltd.
Thailand

in the category of

TECHNOLOGY -
Internet of Things of the Year

8 December 2023

Mrs Agnes Mak, MH, JP
Chief Judge
APICTA 2023

Mr Fulvio Inserra
Chairman
APICTA

Dr Rocky Cheng
President
Hong Kong Computer Society



APICTA

THE ASIA PACIFIC ICT ALLIANCE AWARDS

HONG KONG 2023
AWARDS PRESENTATION CEREMONY



APICTA
THE ASIA PACIFIC ICT
ALLIANCE AWARDS
HONG KONG 2023



MERIT

BeaRiOt: Shopfloor IoT Solution
One Ten Plus Co., Ltd.
Thailand

in the category of

INDUSTRIAL -
Resources, Energy & Utilities/Supply Chain
Logistics/Sustainability & Environment

8 December 2023

Mrs Agnes Mak, MH, JP
Chief Judge
APICTA 2023

Mr Fulvio Inserra
Chairman
APICTA

Dr Rocky Cheng
President
Hong Kong Computer Society



TICTA 2023

โครงการประกวดเทคโนโลยีดิจิทัลดีเด่นแห่งชาติ

Empowering Lives through Innovative Technology



FTI
DEEPTech STARTUP
CONNEXT
2023

เฟ้นหา DeepTech Startups ร่วมมือและขยายธุรกิจ
ร่วมกับ สภาอุตสาหกรรมแห่งประเทศไทย
Driving DeepTech Startups & Industry
Forward Together



ANGEL FUND
Thailand



DIPROM
กรมส่งเสริมอุตสาหกรรม
DEPARTMENT OF INDUSTRIAL PROMOTION

TECHBIZ STARTER 2023



**วช.
NRCT**

Winner Technology Award: Internet of Things

ASOCIO

Digital Summit

2024

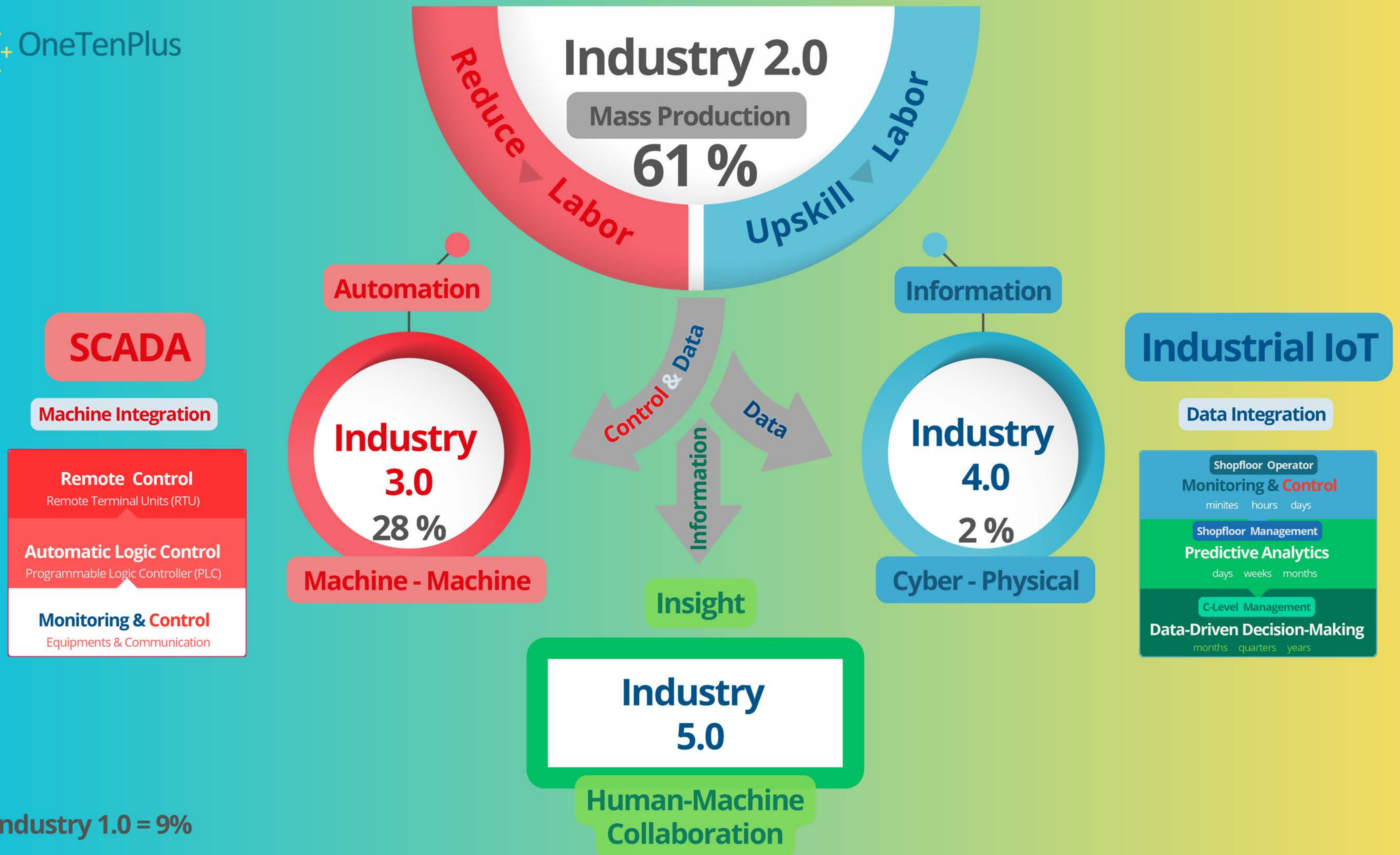
TOKYO

ESG Award in Private Sector

ASOCIO : Asian-Oceanian Computing Industry Organization



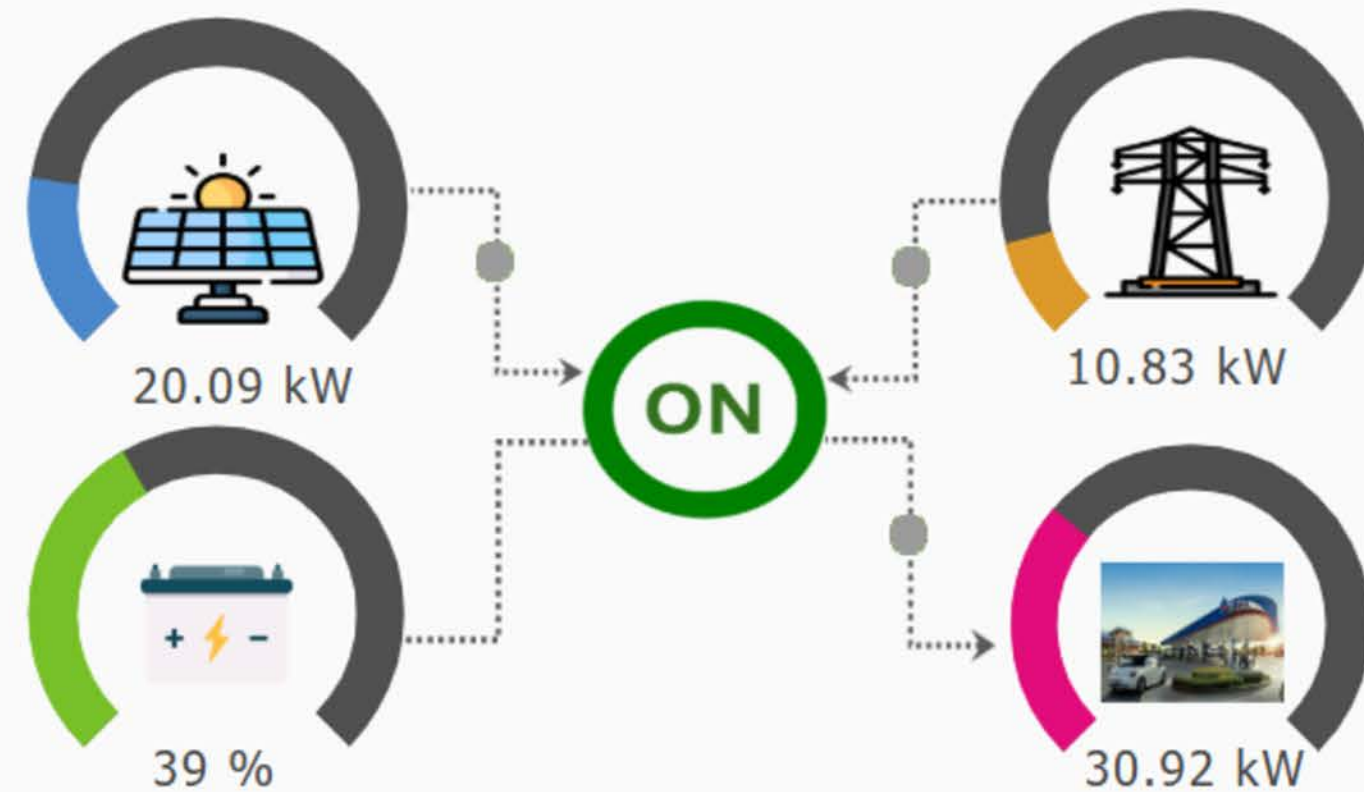
- Industry 1.0 = 9%



Date: 14/03/2025 Time - 14:02:15

Solar Cell System Monitoring

Battery Parameters			Inverter Parameters			Meter Parameters		
Capacity	600.0	kWh	Uab	396.2	V.	Va	228.8	V.
SOC	39.0	%	Ubc	393.2	V.	Vb	229.5	V.
Voltage	48.8	V.	Uca	391.3	V.	Vc	227.2	V.
Current	65,376.0	A.	CO2	7,347.9	kg	Power	11.1	kW
Temperature	38.00	C	Power Factor	0.999		Power Factor	0.753	



History

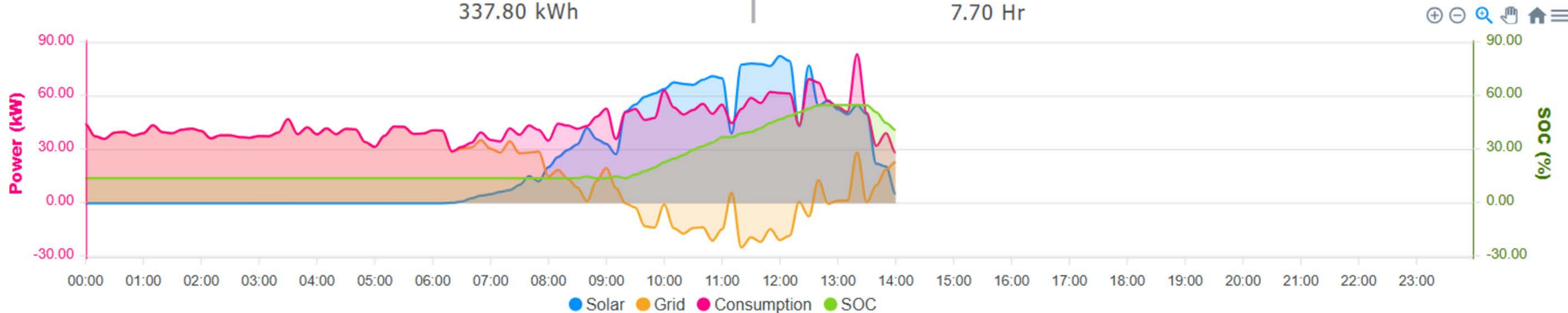
[Daily Report](#)[Monthly Report](#)[Yearly Report](#)

Daily Production

337.80 kWh

Daily Production Time

7.70 Hr



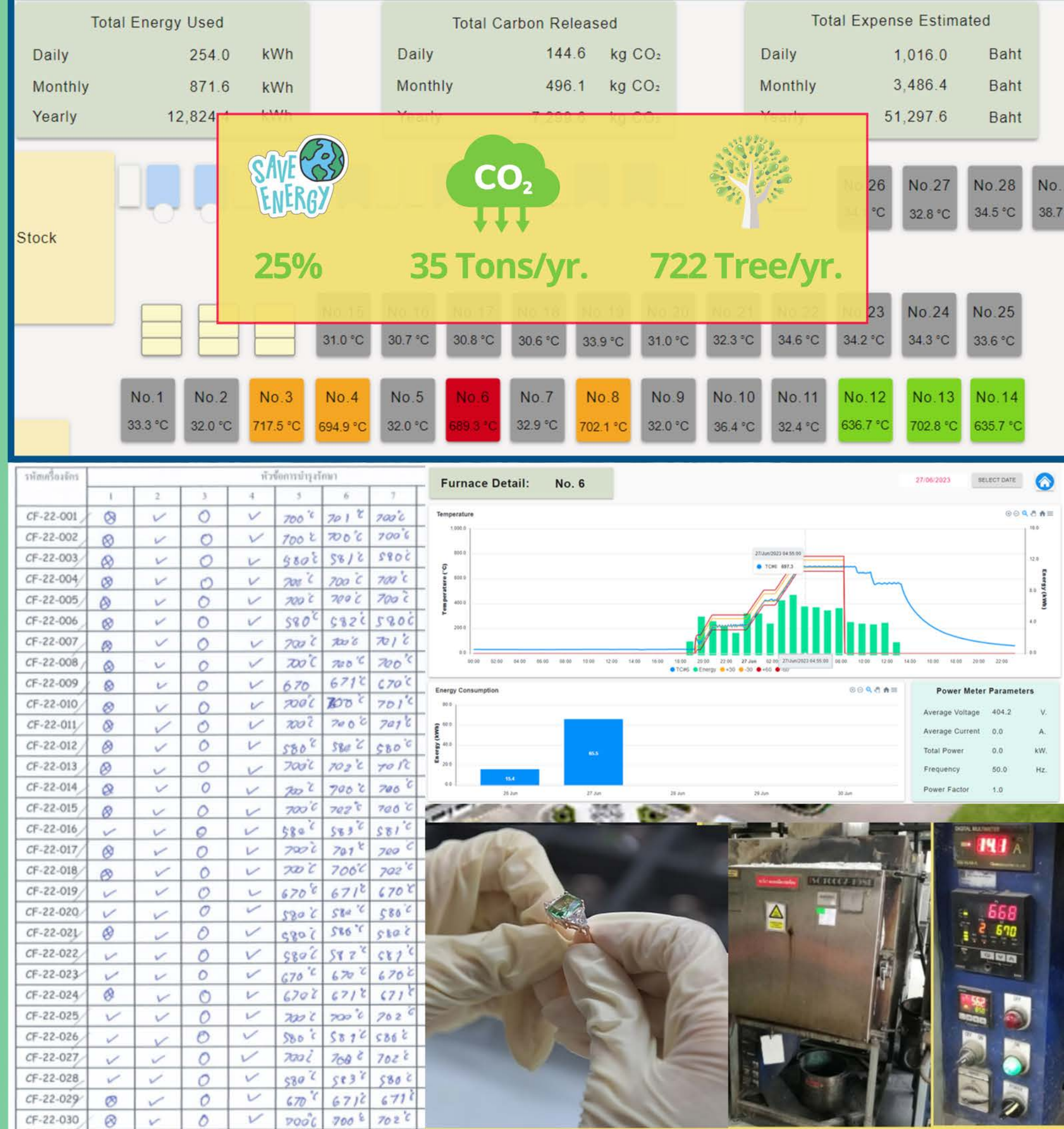
Project: Digitizing Furnace with IOT

Solution:

"Develop concepts and frameworks for a real-time monitoring management system to define conditions and various parameters in collaboration with the company for managing the Furnace system. The system should lead to the development of preventive maintenance planning approaches."

Benefits:

- Average energy savings 25%
- Reduction in problem-solving time: Up to 14 times faster
- Data-driven organization



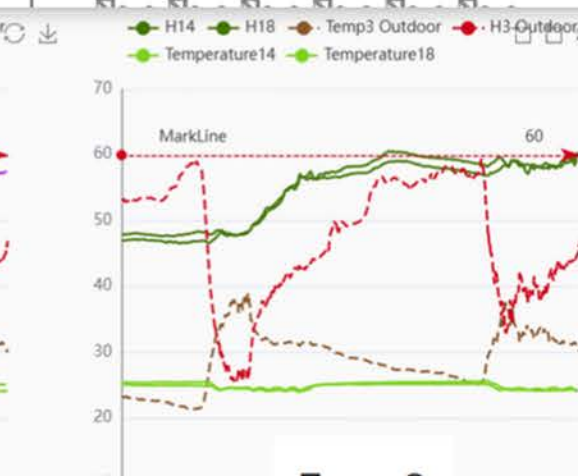
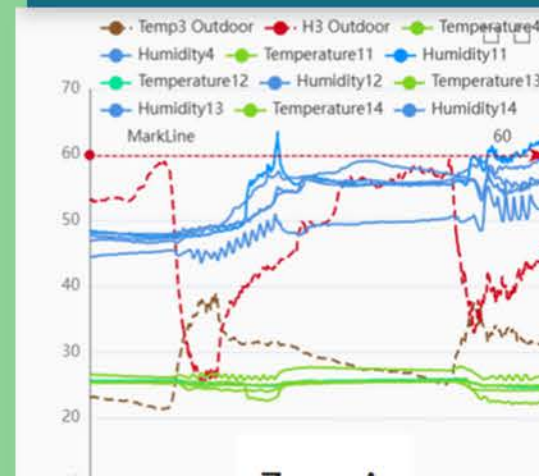
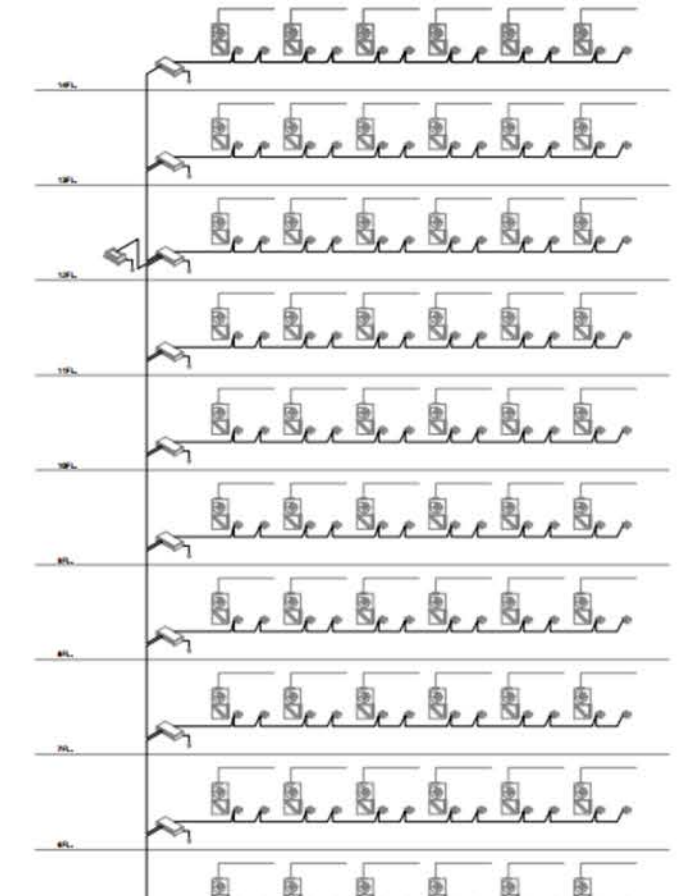
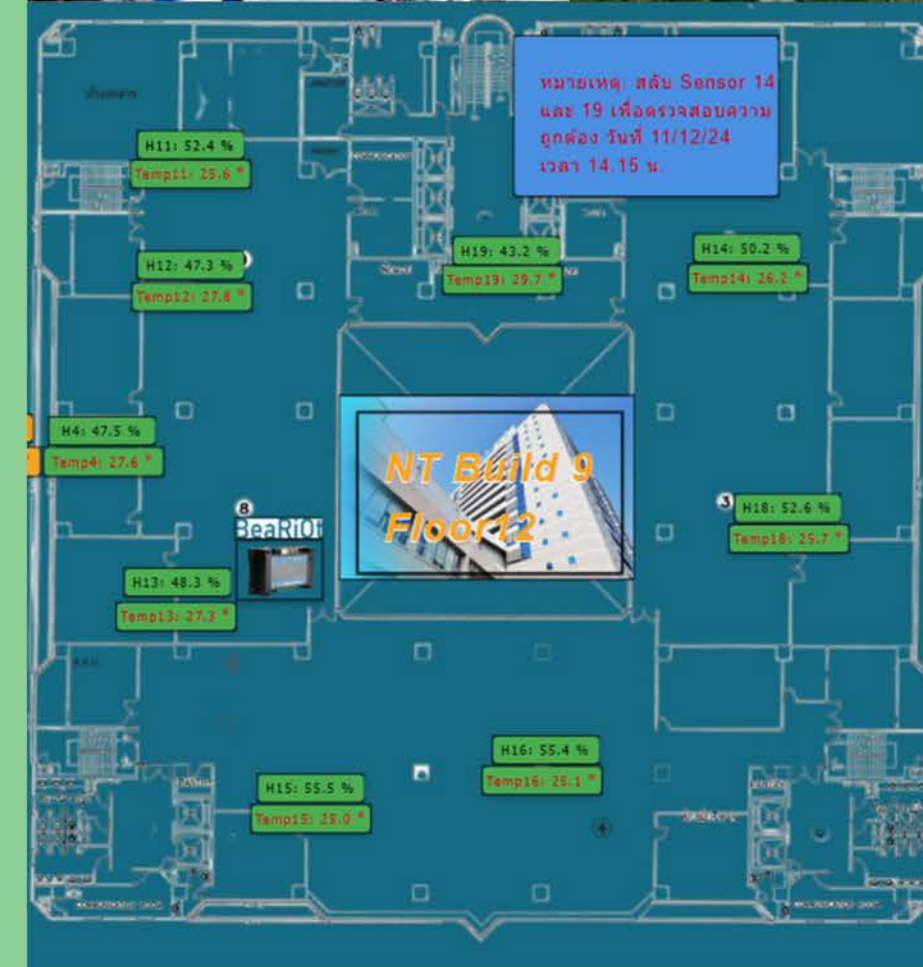
Project: Building Environment System

Solution:

Design a monitoring system and install humidity and temperature measurement devices within the building, along with a display system that segments data by different zones. This ensures an optimal environment to enhance employee productivity.

Benefits:

- Enhance employee productivity
- Protect equipment and assets
- Ensure employee health and safety
- Provide alerts for preventive maintenance



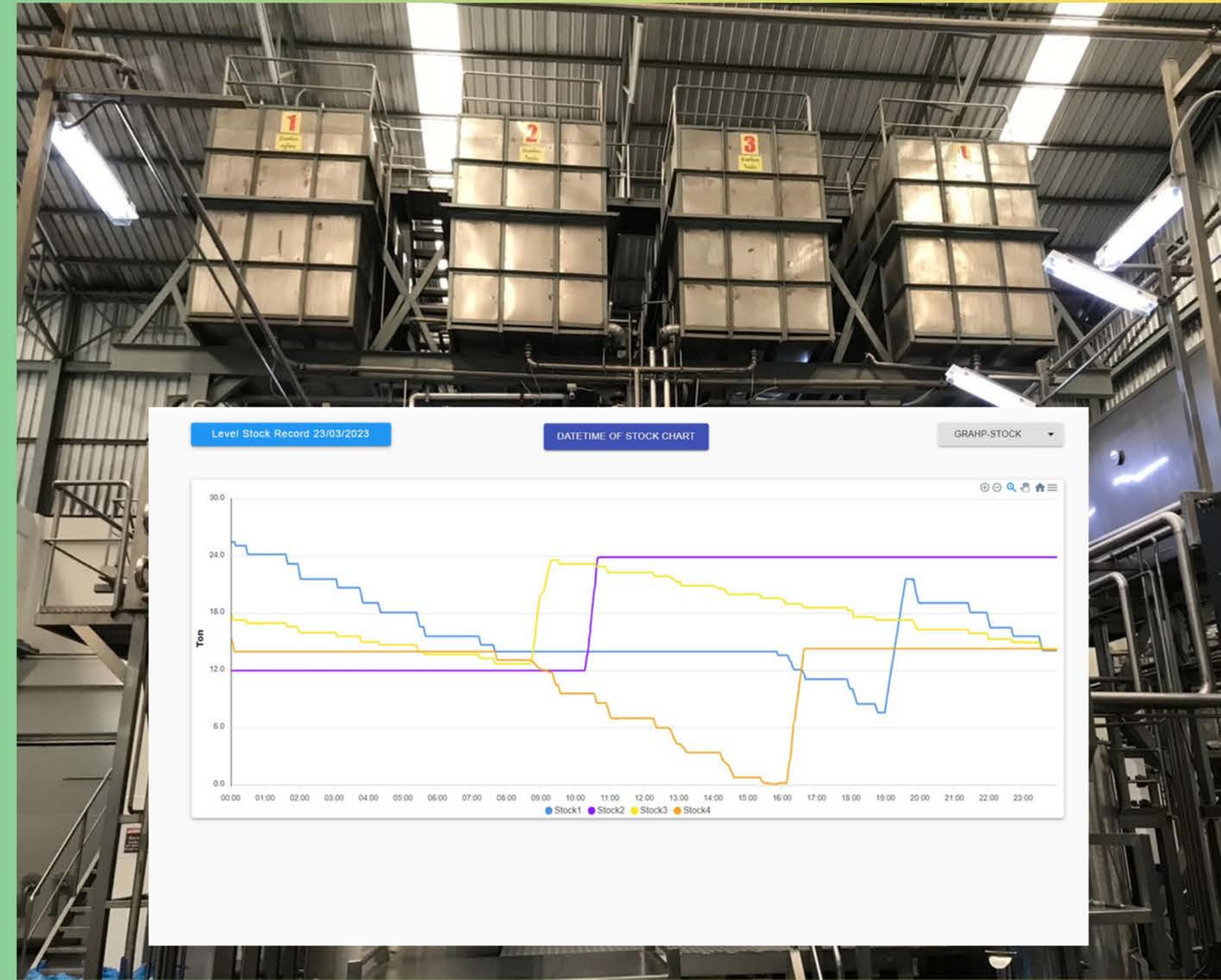
Project: Process Monitoring

Solution:

"Need a monitoring system to replace the expensive SCADA system, without the requirement for automation functionality."

Benefits:

- "The internal development team can create a Monitoring system that:
- Enables real-time tracking of raw materials
 - Replaces the need for employees to perform manual checks every morning
 - Reduces losses from raw material shortages during production"



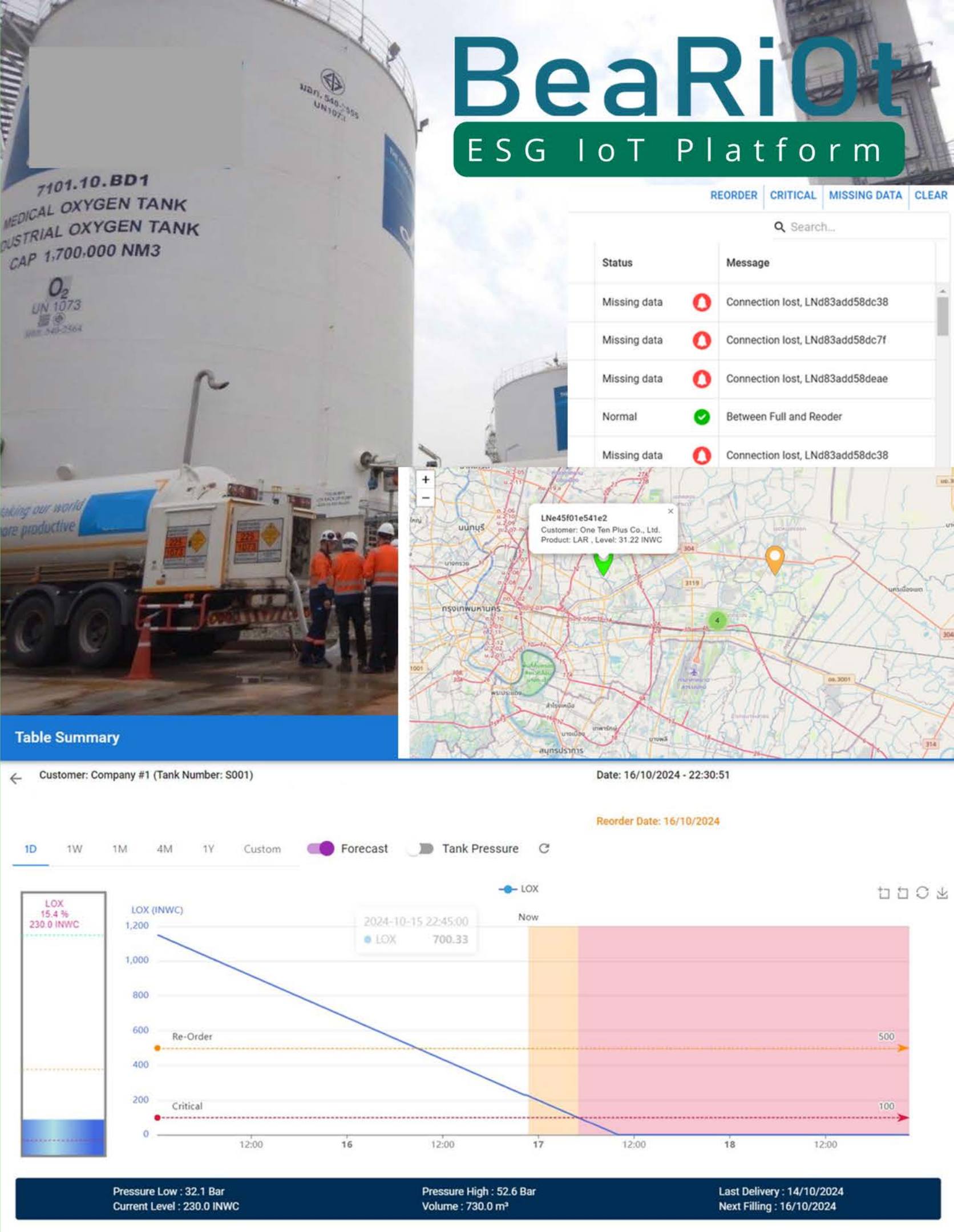
Project: IoT Telemetry System

Solution:

This project is intended to create a new telemetry system with more customizable visual and real time monitoring. The scope of the new telemetry will cover 3 applications

Benefits:

- Reduce time and steps required for installing equipment in each worksite.
- Lower long-term operational costs due to new technology with flexibility for development and maintenance.
- Replace outdated closed systems that cannot be expanded for data analytics.



BeaRiOtEdge

Intranet of Things

Technology Awards



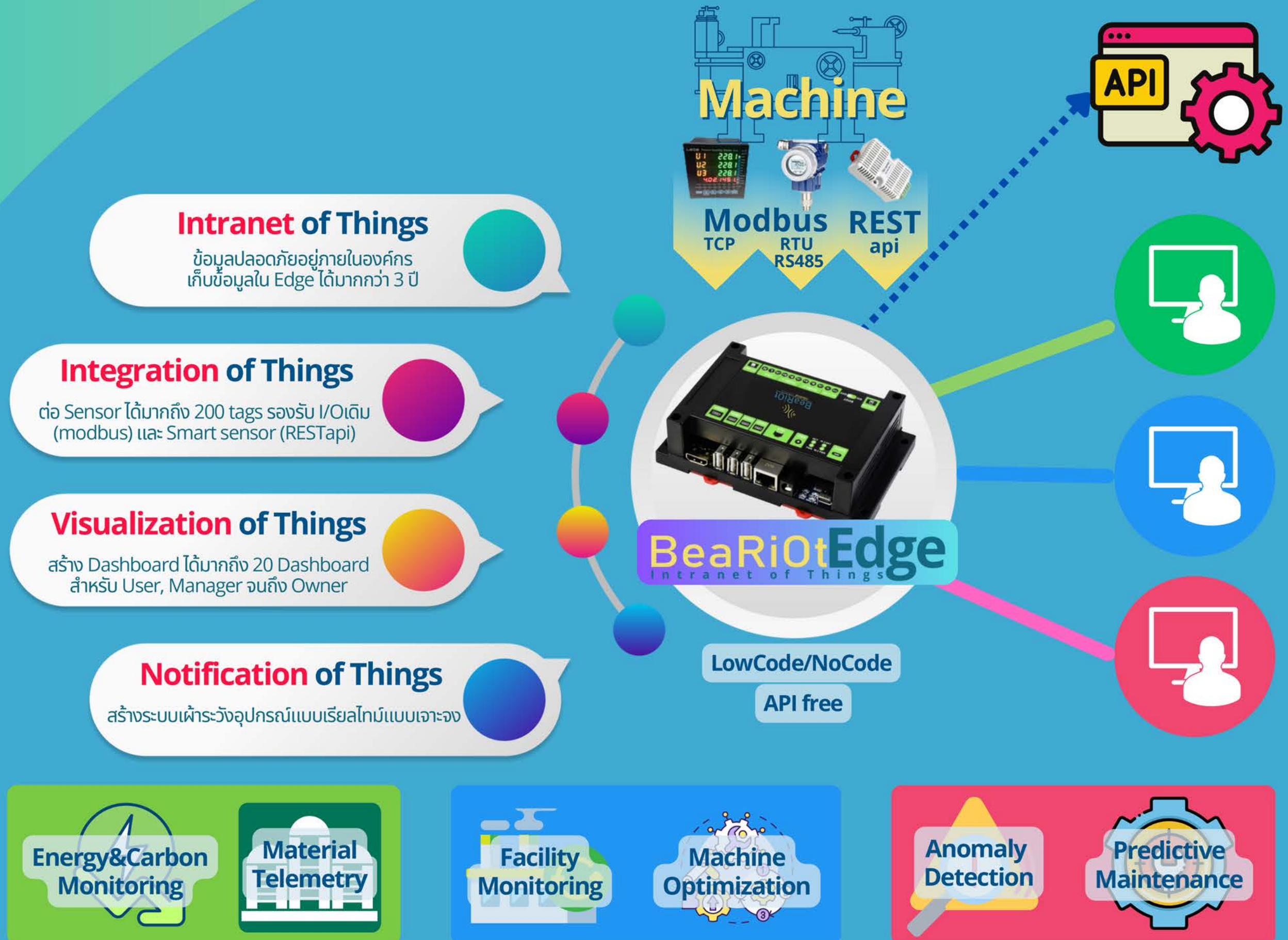
APICTA AWARDS 2023 HONG KONG
Winner: Technology- Internet of Things of the Year
Merit: Industrial - Resources, Energy & Utilities/
Supply Chain Logistic/Sustainability & Environment

ESG Award



ESG Award
in Private Sector

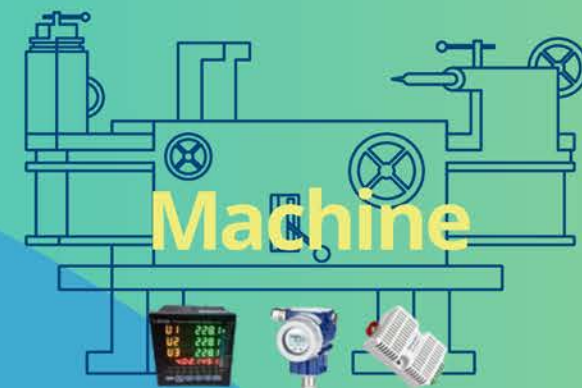
Factory/Site



BeaRiOt

ESG IoT Platform

Factory/Site



Machine

Modbus
485 RTU/TCP
200 Sensors (tags)



BeaRiOtEdge
Intranet of Things

Steaming



BeaRiOtCloud



Group/Site
Monitoring

Realtime
Management
Report

Cloud
Application



One Ten Plus
110+