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- Solutions and services
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About us...

Novas Tech Co.,Ltd

Established: 2005

Novas specializes in providing automation services, digital transformation solutions and smart management for industrial factories based on digital technology platforms: Cloud, IIoT, Mobility, Big Data,...

We have 15 years of experience implementing projects for domestic and foreign customers. We confidently implement solutions for customers that ensure efficiency, operating cost savings and reliability of the system.

HQ:

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ABOUT US

Solutions & Services



1. Automation services

- PLC, DCS, SCADA systems
- IT system, software, communication network...



2. Power & Energy management solutions

- Power management
- Power quality management



3. Water & Wastewater treatment

- SCADA systems
- Smart management system for water and sewage treatment plants



4. M&E

- Design and Build M&E systems
- Industrial electrical systems

NOVAS' technical capabilities & Partnership

No.	Ability to use software & hard ware from different brands	Good	Expert
1	Schneider-electric <ul style="list-style-type: none"> Wonderware – Intouch; Vijeo Citect PLCs, VSDs, Sensors... 		✓
2	Rockwell Automation <ul style="list-style-type: none"> Factory TalkView, RSView/ PLC, network, VSDs, ... 		✓
3	Siemens <ul style="list-style-type: none"> WinCC / PLC s7-1200,1500, VSDs, Profibus, ... 		✓
4	Inductive Automation <ul style="list-style-type: none"> Ignition (SCADA Web based) 	✓	
5	Novas <ul style="list-style-type: none"> SCADA web (developed by Novas) 		✓
6	IT system <ul style="list-style-type: none"> Networking, Server, Storage, Security, Cloud Computing, ... 	✓	
7	Design software <ul style="list-style-type: none"> AutoCad (design) Eplan (electrical design) Sketup, Revit (3D design) 	✓	
8	Management software <ul style="list-style-type: none"> 1Office (Web based) Microsoft project 	✓	

Rockwell Automation

10-year SI for Rockwell Automation



SIEMENS

Schneider Electric

15-year SI for Schneider



Ignition!
by inductive automation

<https://inductiveautomation.com/integrators/results/account/58290>

Novas has experience in implementing more than 30 projects on Electrical, automation and software solutions for factories. Among them, more than 15 projects are foreign customers.

Projects implemented	Clients
<p>30 + Electrical, SCADA</p>	   
<p>10 + Energy Management</p>	   
<p>03 + Overseas projects in Japan & Philippines</p>	   
<p>10 + M&E projects</p>	   
	    

SOLUTIONS & SERVICES

1 AUTOMATION SERVICE

Solutions & Services:

- Upgrade/ build up automation systems including PLC, DCS. Upgrade IT, Server, SCADA systems that have been obsoleted.
- Provide, Install, Program and Hand over electrical and automation, SCADA systems for newly built factories.
- Programming service as requested by clients
- Engineering: Design, program PLC, HMI, DCS, SCADA, Commission, Training, Handover

Appropriate for:

- Manufacturing facilities
- Water industry, Buildings, resorts

Benefits:

- Skilled and experienced engineer team who have implemented a lot of projects in different industries
- Optimal solutions with reasonable cost



1. POWER MANAGEMENT & OPTIMAL CONTROL

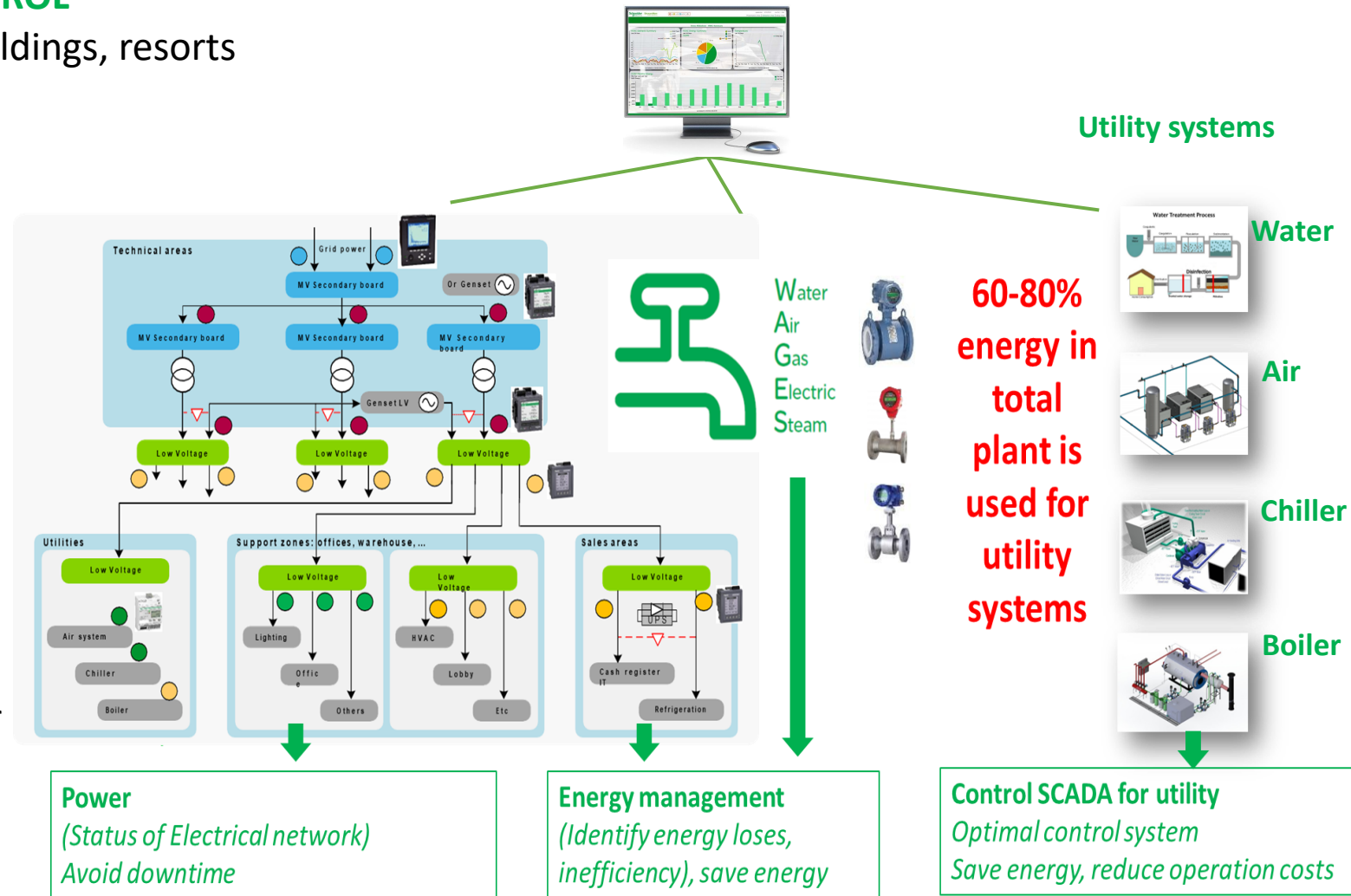
Appropriate for: manufacturing facilities, Buildings, resorts

Utility system includes:



Solution:

- **Hardware** : Install devices to measure and analyze power and energy sources
- **Software**: PME by Schneider is used (Power Management Expert)
- **Solution**: **Measure – Analyze – Control** to optimize efficiency of utilities including: Air compressed, Steam, Water, Chiller...systems



Ecostruxure™

Power Monitoring Expert

1. POWER MANAGEMENT & OPTIMAL CONTROL

Centralized operation & management function

1. Power monitoring

- ✓ Power quality monitoring
- ✓ Online incident monitoring
- ✓ Load, PF monitoring

2. Energy measure & analyze

- ✓ Measure energy consumption values
- ✓ Analyze energy usage based on KPIs set
- ✓ Analyze KPIs of operating systems

3. Optimal monitoring and control for utility systems

- ✓ Automatically adjust SCADA
- ✓ Optimally change the parameters
- ✓ Semi- automatic / manual adjust...

Benefits:

- ✓ Reduce downtime
- ✓ Power efficiency → Cost reduction
- ✓ Centralized management, reduce operating cost
- ✓ Reduce CO2



Monitoring + Analysis → Optimize Control



2. HARMONICS FILTERING

Appropriate for:

- Factories with harmonics THDi and THDu exceeding the allowed regulations according to Circular No. 30/2019/TT-BCT
- Factories have high harmonics that damage electronic equipment and capacitors...

Solution:

- Harmonics filtering solutions by Schneider
 - ✓ Active filter AccuSine+ 60 A, 120 A, 200 A, 300 A - 380 V AC to 480 V AC)
 - ✓ Low harmonics Inverter ATV680

Benefits:

- Meets standards for harmonics according to Circular No. 30/2019/TT-BCT on distribution power systems.
- Stable voltage and current, reduces damage to electronic devices, capacitors and transformer.
- Easily expandable

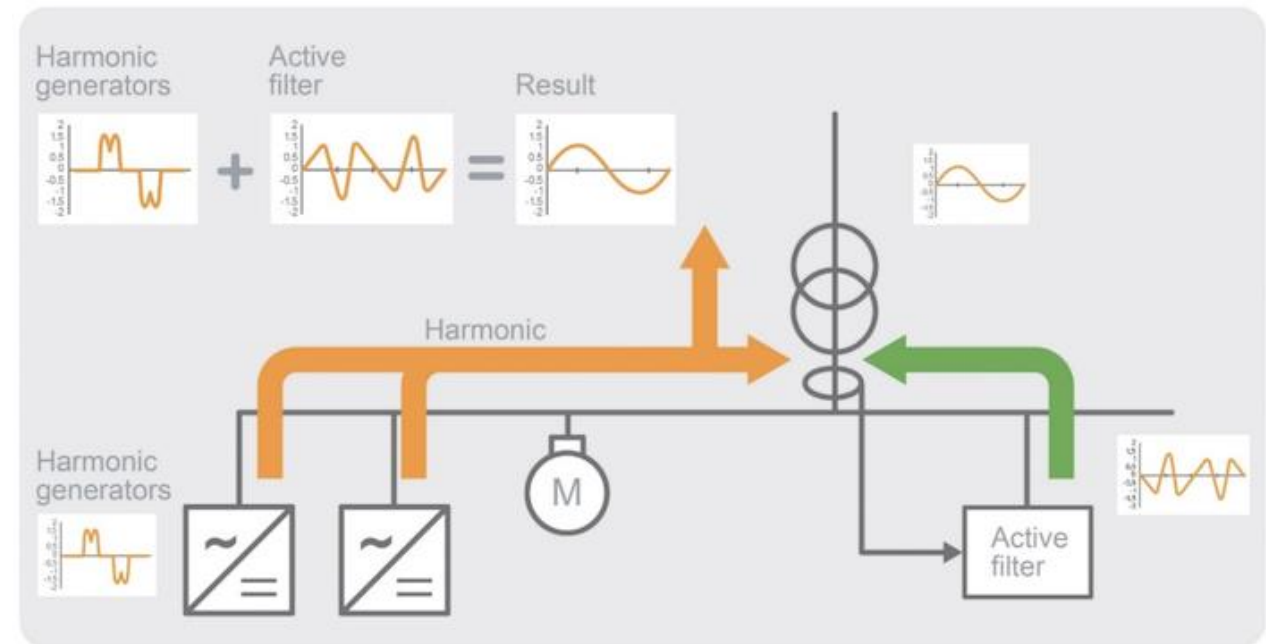
Clients:

- Dawaco, Hòa Thọ Textile...



Life Is On

Schneider
Electric



3. MORNITORING POWER CABINET & TRANSFORMER

Appropriate for:

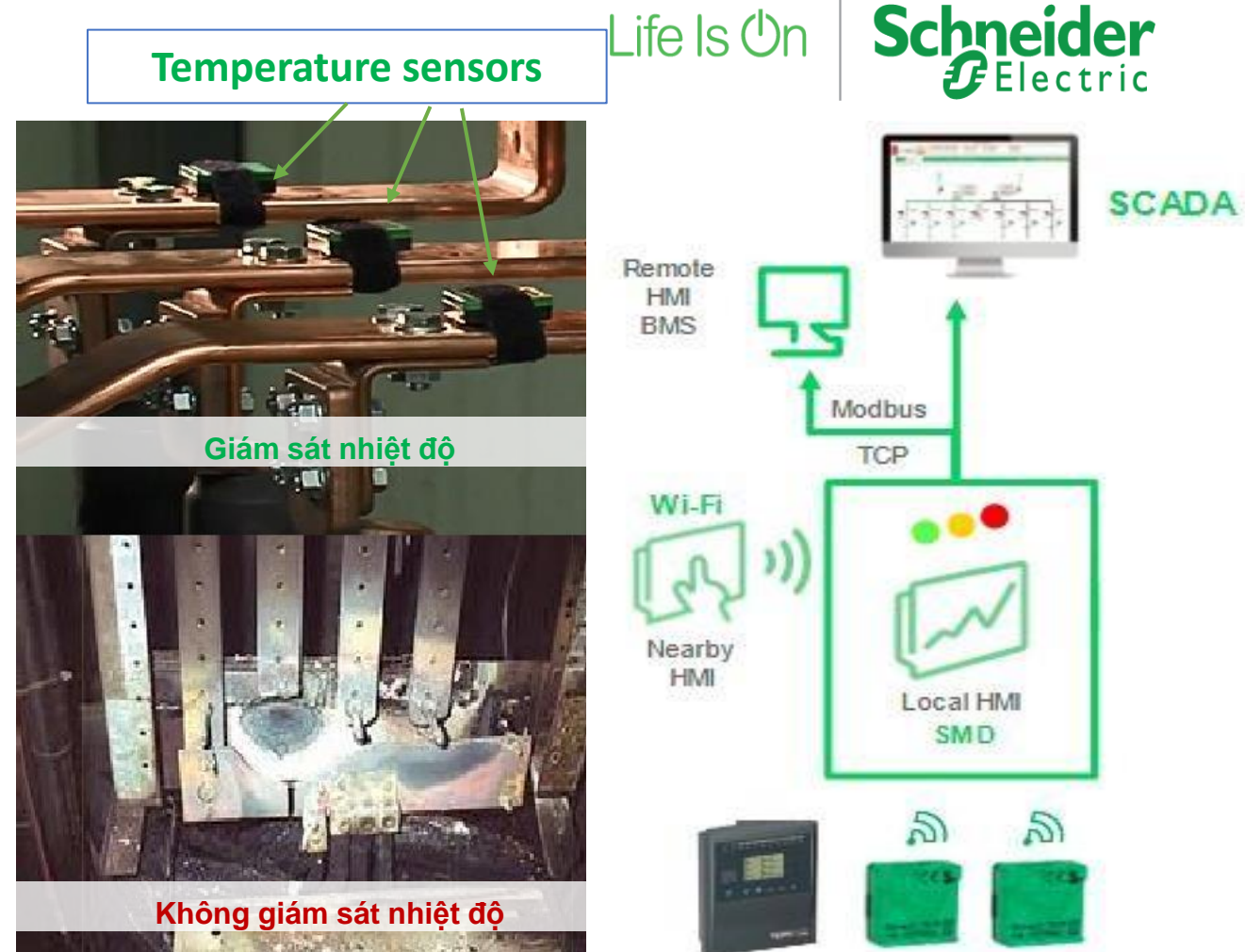
- Monitor temperature in locations at risk of generating heat causing fire and explosion for power supply cabinets and transformer stations in the factories.

Solution by Schneider:

- ✓ Wireless temperature sensors are installed at locations that need monitoring .
- ✓ Signals transferred to centralized monitoring unit and computer connection via WIFI and PME software

Benefits:

- Avoid the risk of fire and explosion in the electrical systems
- Reduce downtime
- Safe operation



4. TEMPERATURE, HUMIDITY, CO2 MONITORING

Appropriate for:

- Factories need to monitor temperature, humidity, CO2... in production areas to improve product quality and ensure a safe working environment.

Solution:

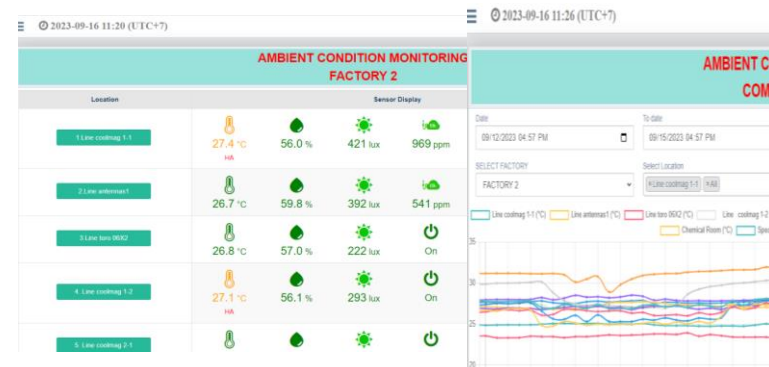
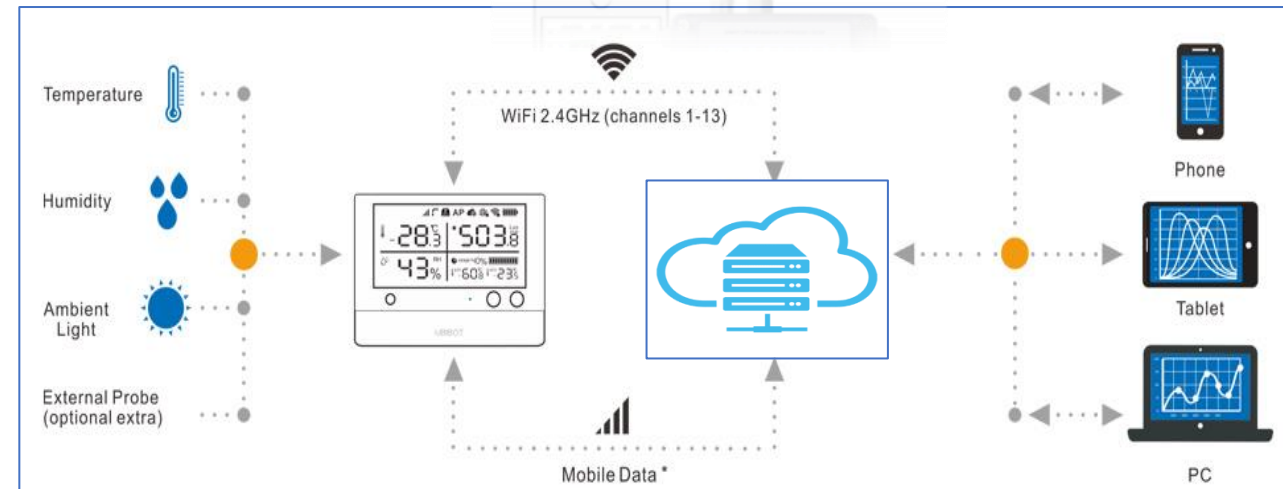
- Provide measuring equipment and monitoring software packages according to customer installation requirements.
- Alerts via email, Telegram network platform.

Benefits:

- Ensuring production environment & worker health.
- Save energy through optimal operation.

Clients:

- Premo Vietnam
- Premo Wuhu (China)
- Premo Tanger (Marocco)
- Prime Đại Lộc, AquaOne



SCADA & CENTRALIZED MANAGEMENT SOLUTIONS FOR WATER AND SEWAGE PLANTS

Appropriate for:

- Water & sewage treatment plants
- Water and wastewater treatment plants in industrial zones.

Solutions:

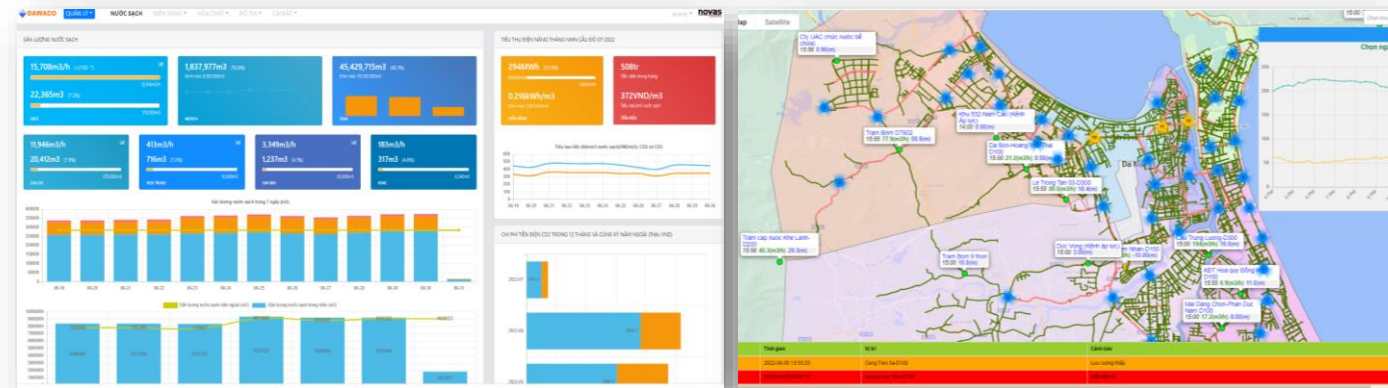
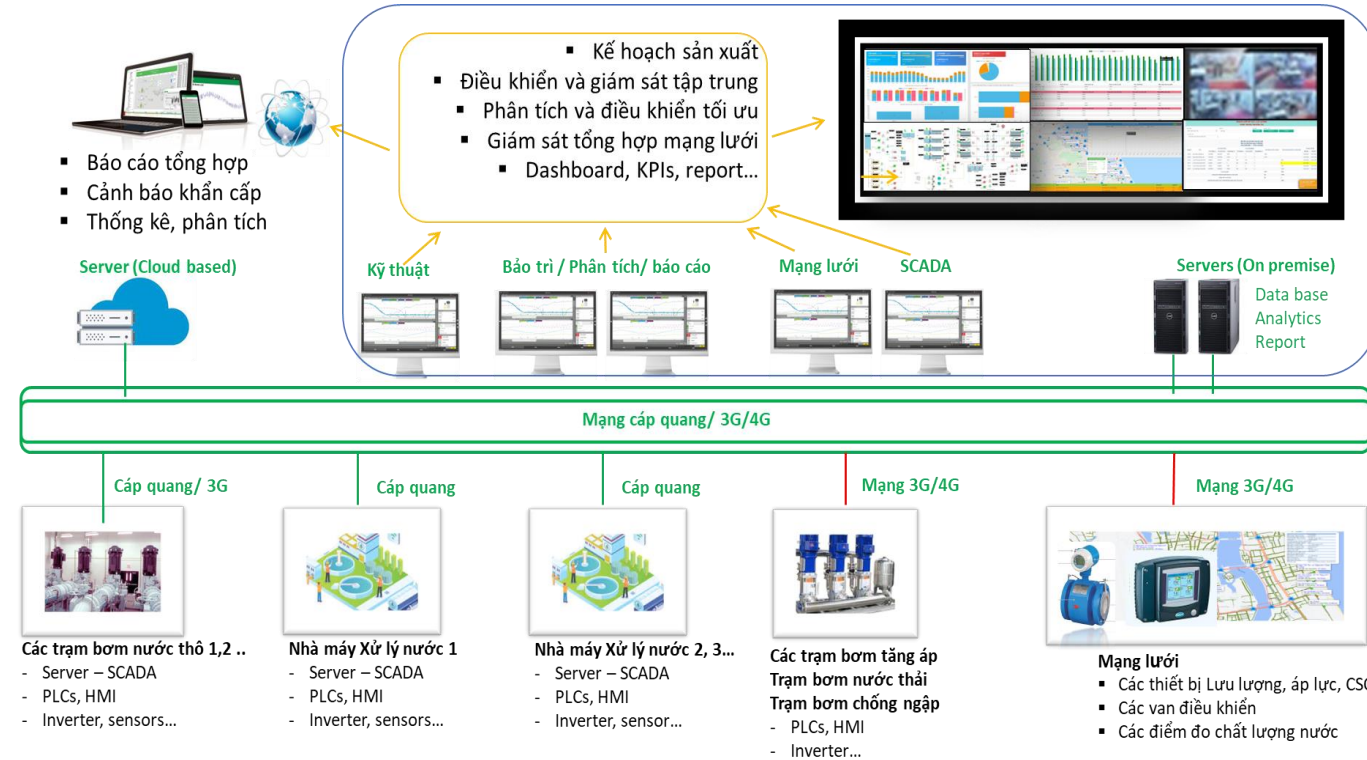
- Automatic SCADA for plants
- Centralized operation & management of the whole systems including water treatment plants, pumping stations, distribution network .
- Monitoring flow, pressure of the network and water quality.

Benefits:

- Cost reduction → save labor, energy, chemical cost and non revenue water
- Regulate the operation of the network and improve the stability and reliability.

Projects done:

- Novas have done more than 20 similar projects for the customers as below :



1. DESIGN & BUILD MEP SYETMS FOR THE NEW FACTORIES

Solutions:

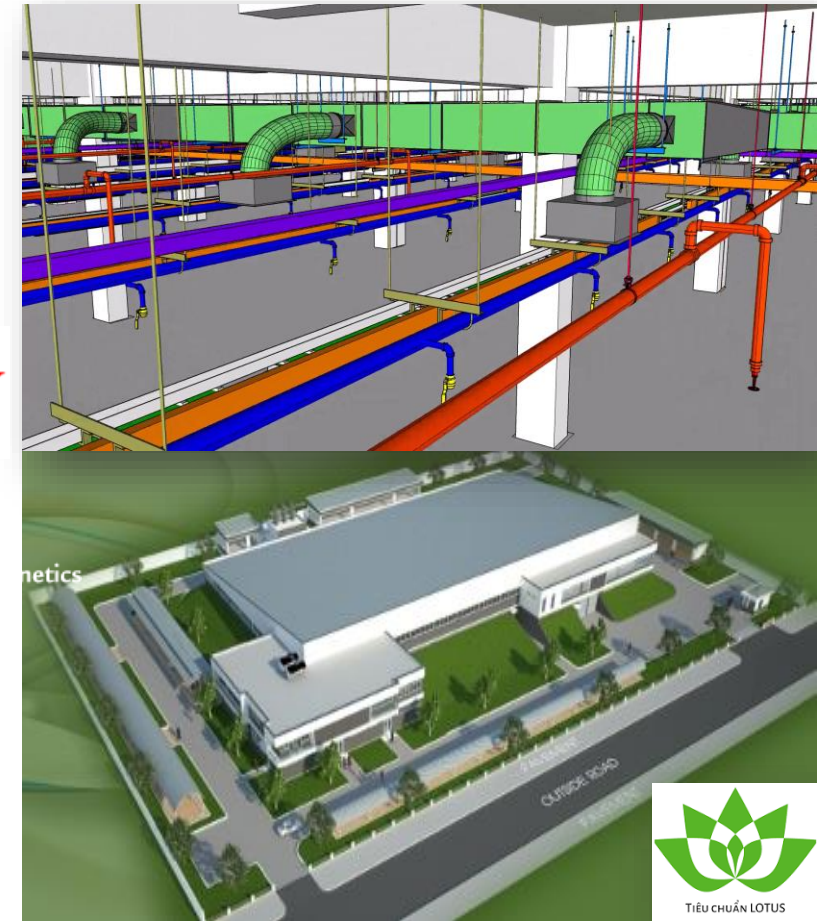
- Design and build MEP systems for the new factories as turn key projects

Design criteria:

- Design M&E systems according to VN LOTUS standards.
- Integrate energy management systems based on ISO 50001
- Meet green construction standards of Việt nam
- Monitor energy consumption that helps to propose the best practice for a sustainable development program.

Clients:

- Premo Vietnam, CCIPY, Hydra Vietnam, Strabag, Relats Vietnam...



Chữa cháy

Khí nén

HVAC

Đường ống

Chiếu sáng

Cấp nguồn



1. M&E SERVICES

Services:

- Novas provides M&E design and installation services for factories according to customer requirements, systems such as :
 - ✓ Power supplies : MSB cabinets, DP, Busway, ladders, lightings
 - ✓ Design and build HVAC, compressed air, plumbing, firefighting systems.
 - ✓ Design and build clean rooms for electronics factories.
 - ✓ Production equipment installation

Benefits:

- Experienced engineer team.
- MEP integrated with automation functions.

Clients:

- Premo Vietnam, CCIPY, Bekeart, Millennium, Relats Vietnam...



Firefighting



Compressed air



HVAC



Piping



Lighting



Power supplies



TYPICAL PROJECTS

Oil, Dioxin treatment, Kuwana/ Japan

Project 1: Treatment of soil contaminated with oil.

Client: **Terratherm Asia**

Design, provide and install the electrical and centralized control of PLC, SCADA.

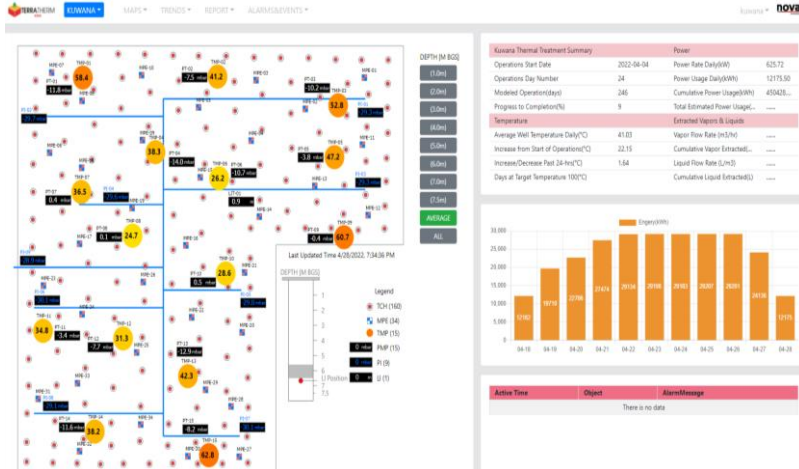
Time: 2022; **Location:** Kuwana, Japan

Project 2: Dioxin treatment at Danang airport.

Client: **Veolia**

Scope of work: provide, program and install the electrical and centralized control of SCADA

Time: 2014; **Location:** Đà Nẵng



Water & Wastewater treatment plants

Project 1: WTP of Calawis

Project 2: WWTP of Aglipay

Project 3: WTP of Hà Giang

Client: **Suez International, Philippine.**

Scope of work: Provide programming of PLC, SCADA, T&C services

Time: 2022-2023

Location: Philippine, Hà Giang



Suntory PepsiCo Vietnam

Provide automation services including

Design, install, program, T&C of the whole system.

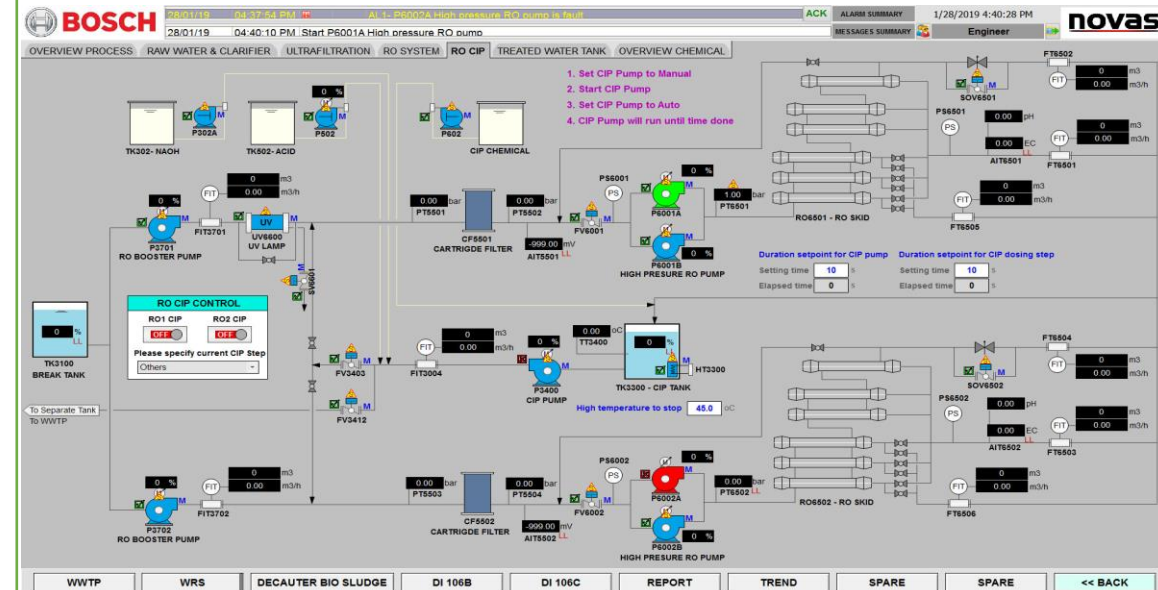
1. Power supply for UPS
2. Power supply for battery charger
3. Upgrade PLC & HMI system
4. Production safety monitoring system
5. Monitoring software for pumping well
6. Power monitoring system.



BOSCH Powerchain

Provide automation services including
Design, install, program, T&C of the whole system.

1. Upgrade SCADA system for a WTP.
2. Upgrade Thickener system
3. Upgrade the chemical dosing pump system.
4. Upgrade the air blower system
5. Maintenance works...



Binh Son Refinery (BSR)

Client: BSR., Co

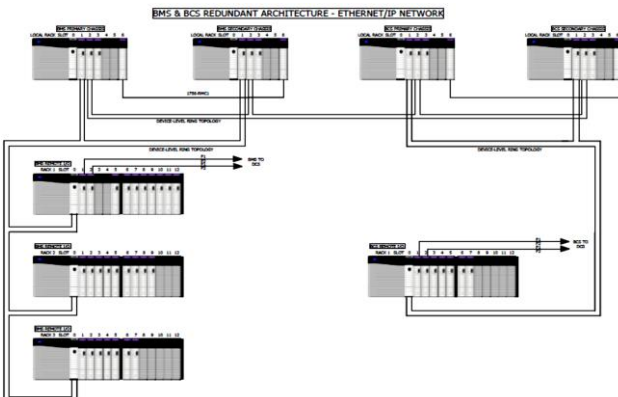
Project: Upgrade the boiler control system of COB 1503 (Single to redundancy system)

Scope of work: Design, provide, program, install and T&C of the control system.

-PLC Rockwell Automation
-Ethernet network

Time: 2014 (phase1)
2023 (phase 2)

Location: Quảng Ngãi, Vietnam



PRIME ĐẠI LỘC

Client: Prime Đại Lộc

Scope of work: Design, provide, program, install and T&C of the systems

1. 08 tile buffer systems
2. Material dosing feeder
3. Temperature monitoring system
4. ...

Location: Quảng Nam



Bông Miêu, Phước Sơn Gold mining plant

Project 1: Bông Miêu Gold mining

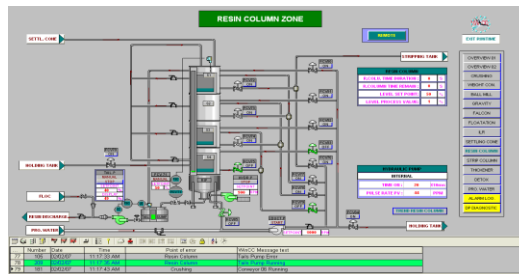
Project 2: Phước Sơn Gold mining

Scope of work: Design, provide, program, install and T&C of the systems :

- ✓ **SCADA** : Control cabinet , hardware, software, IT, network, programming
- ✓ **Electrical** : MSB, synchronizer, distribution network, lighting, cable ladder, lightening.
- ✓ **Security**: Camera, Access control

Location: Quảng Nam

BESRA



Bekeart, Millennium

Bekeart Vietnam (Belgium)

1. Production equipment installation 10KT
2. IT system

Millennium Furniture (US)

1. Power supplies
2. Lighting system

Location: VSIP Quảng Ngãi

Bekaert

Millennium
FURNITURE COMPANY LIMITED



Lean factories

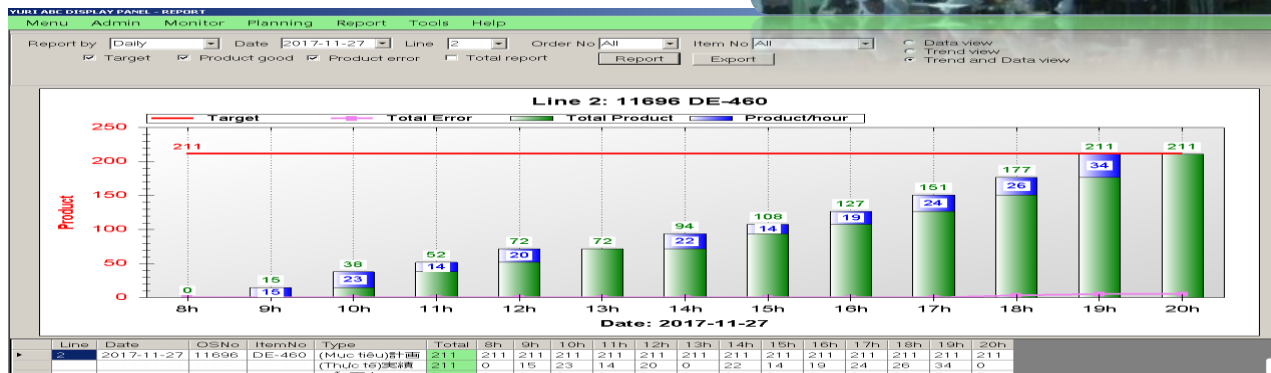
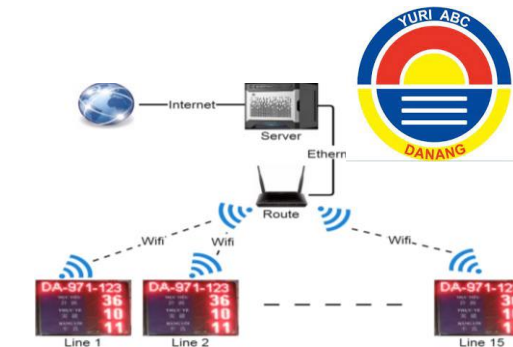
1. Yuri Vietnam - Japan
2. Mabuchi Motor – Japan

Scope of work: provide hardware and software

- ✓ Product counting in real time
- ✓ Production information display
- ✓ Management software: production planning, reports, production efficiency analyzing by shift, day, week, month...

Benefits:

- ✓ Increase productivity
- ✓ Management cost reduction
- ✓ Access from anywhere at anytime



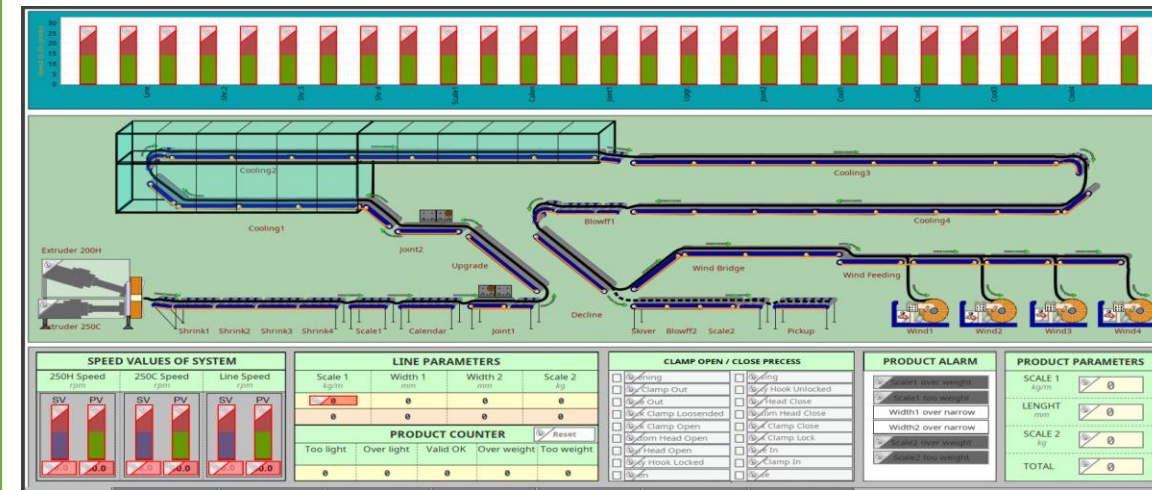
DRC

Services:

1. Upgrade SCADA system for the extrusion line
2. Upgrade control software of endurance tester
3. Upgrade control system for static balance machine.
4. Upgrade the temperature monitoring system.



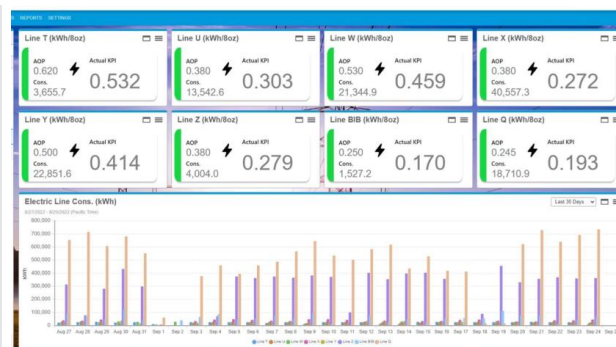
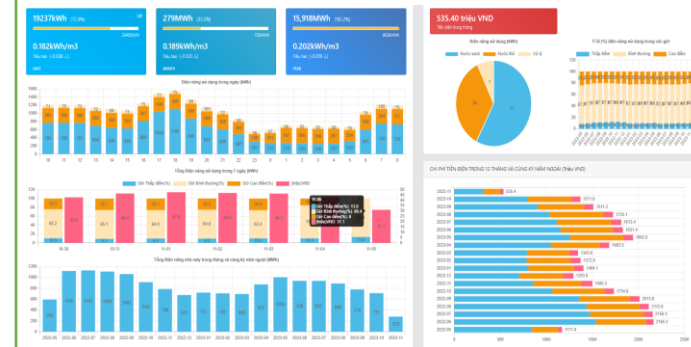
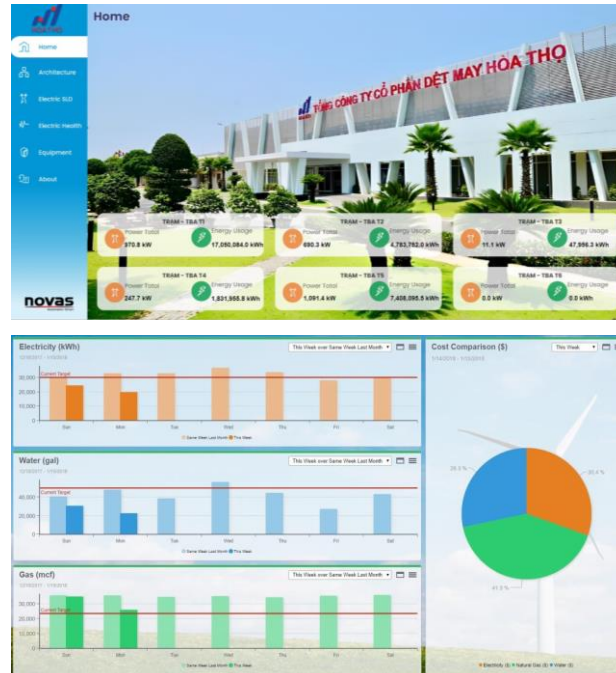
Location: DRC Đà Nẵng



Energy management

Provide and install power monitoring systems for:

1. Danang water company (Dawaco)
2. Hòa Thọ Textile
3. Premo Vietnam
4. FGL Group's companies
5. SuntoryPepsiCo
6. CCIPY



Harmonics filtering

Provide and install harmonics filtering systems for:

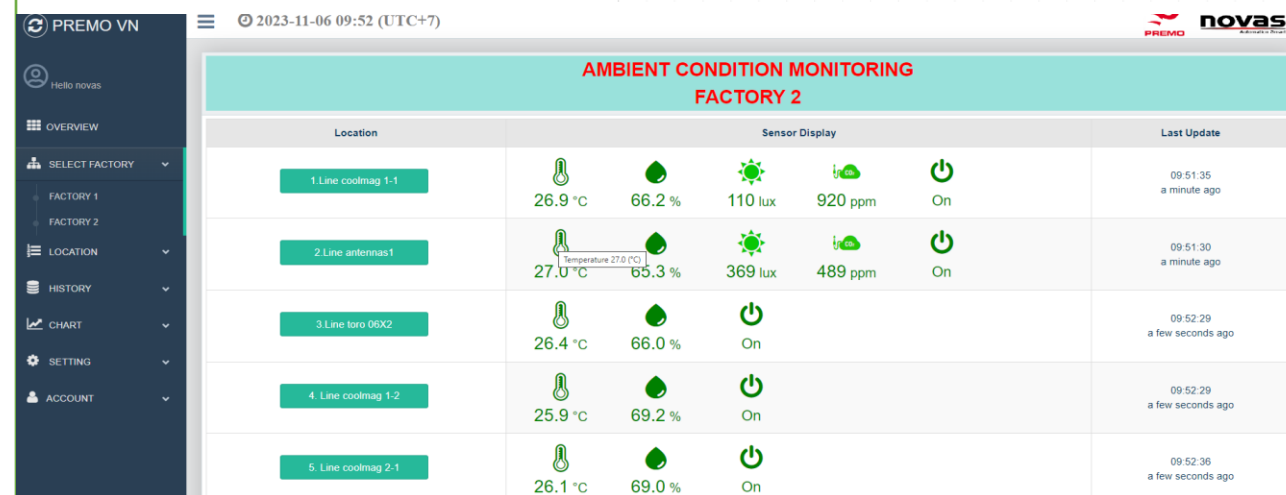
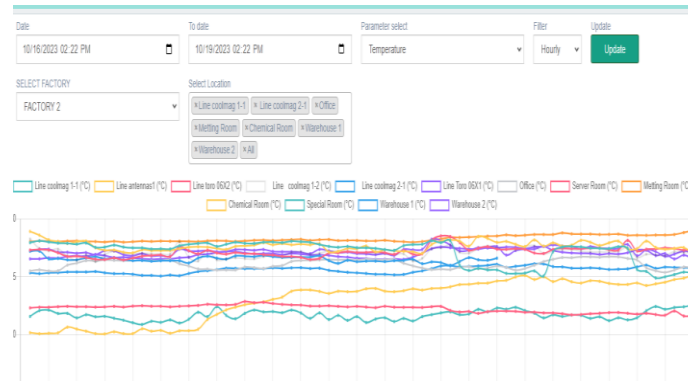
1. Cầu Đỏ Water treatment plant
2. Aquaone Hậu Giang Water treatment plant
3. Hòa Thọ Textile



Monitoring: Temperature, CO2, humidity

Provide and install temperature, humidity and CO2 monitoring systems for:

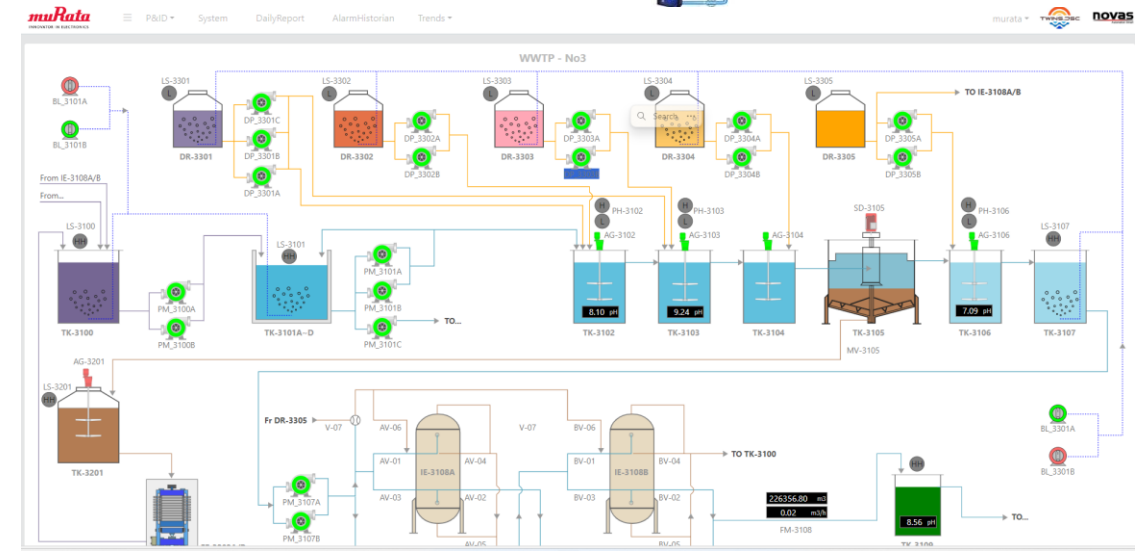
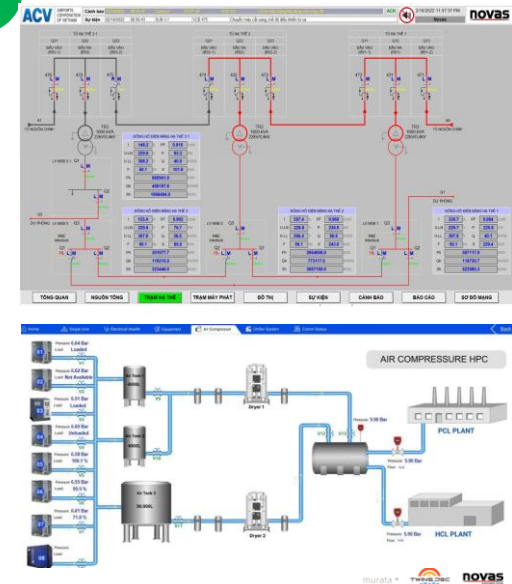
1. Premo Vietnam
2. Premo Tanger (Marocco)
3. Premo Wuhu (China)
4. Prime Đại Lộc
5. Hydra Vietnam



Scada for Utility

Monitoring and Control of Utility systems for:

1. muRata – WWTP (Danang)
2. Danang Airport
3. SuntoryPepsico
4. Bosch Vietnam



Water treatment plants (WTP)

Provide, install, program, T&C of electrical and automation systems for

Projects:

1. Sông Đuống WTP 300,000m³ –Strabag
2. Hòa Liên WTP 120,000m³ – SC5
3. Hậu Giang WTP 100,000m³ – Veolia
4. Calawis WTP(Philippines) 80,000M³ - Suez
5. Triệu Sơn WTP 20,000m³ – AEC
6. Sân Bay WTP 30,000m³- Dawaco
7. Cầu Đỏ WTP 120,000m³- Dawaco...



Wastewater treatment plant(WWTP)

Provide, install, program, T&C of electric and automation systems for:



Projects

1. Aglipay WWTP – Suez – Philippine
2. Ban mê Thuật WWTP 12,00m³ – Veolia
3. Hà Giang WWTP- Suez
4. BOSCH Vietnam WWTP
5. UAC Vietnam WWTP
6. Phong Phú textile WWTP 5,000m³
7. VinaCapital WWTP – Veolia
8. Danang wastewater pumping station system
9. Hanacan WWTP - Kobelco



Central SCADA & pumping stations

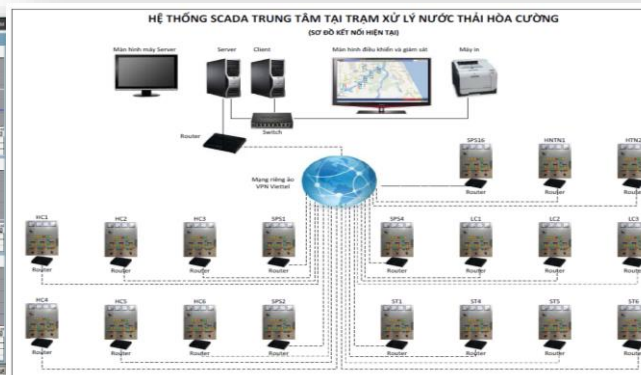
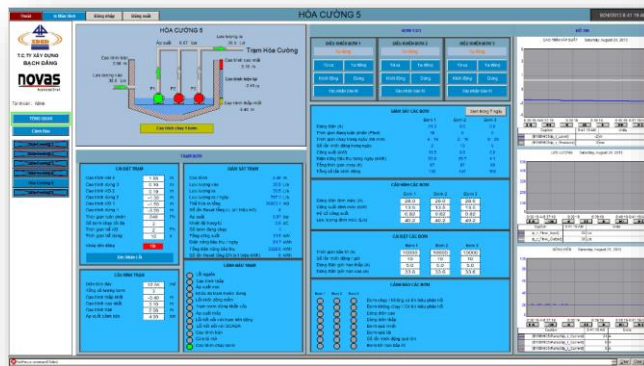
Client: Đà Nẵng Government

Project: Construction of wastewater collecting system for Danang city.

Scope of work: Build up a SCADA system for more than 30 wastewater pumping stations in Danang city.

Connection to the control room: optic fiber, 3G; Monitoring software via Internet

Location: Đà Nẵng city



Anti-flood pumping stations

Client: Đà Nẵng Government

1. Thuận Phước station
2. Á Châu station
3. Ông Ích Khiêm station
4. Trương chí Cường station

Scope of work: Provide hardware and software, program, install, T&C the monitoring system

Location: Đà Nẵng city



Provide hardware and software to build up a centralized operation center for water treatment companies.

1. Centralized operation center for DAWACO covering

03 water treatment plants, 15 booster pump stations, 280 points of flow and pressure measurement

2. Centralized operation center for HUEWACO covering

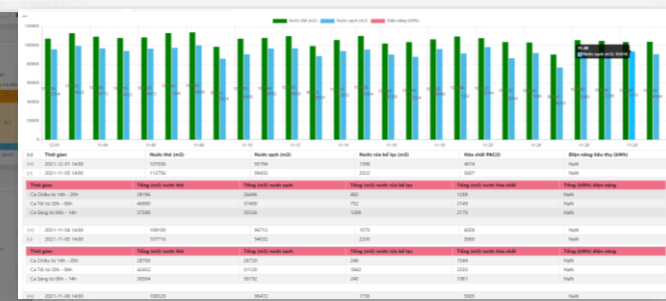
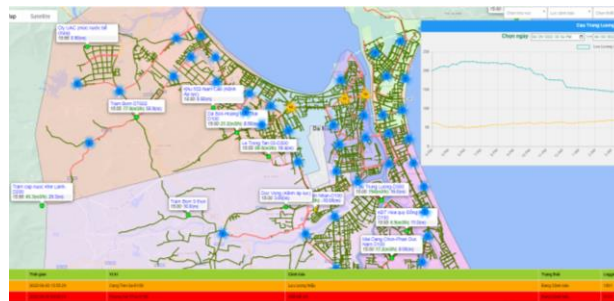
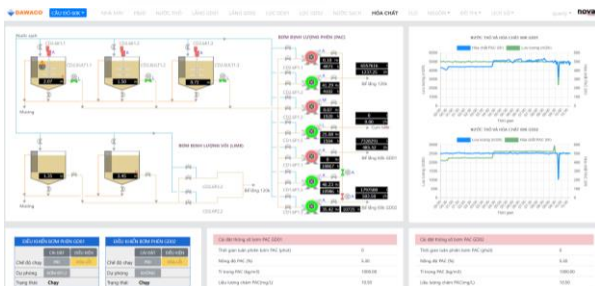
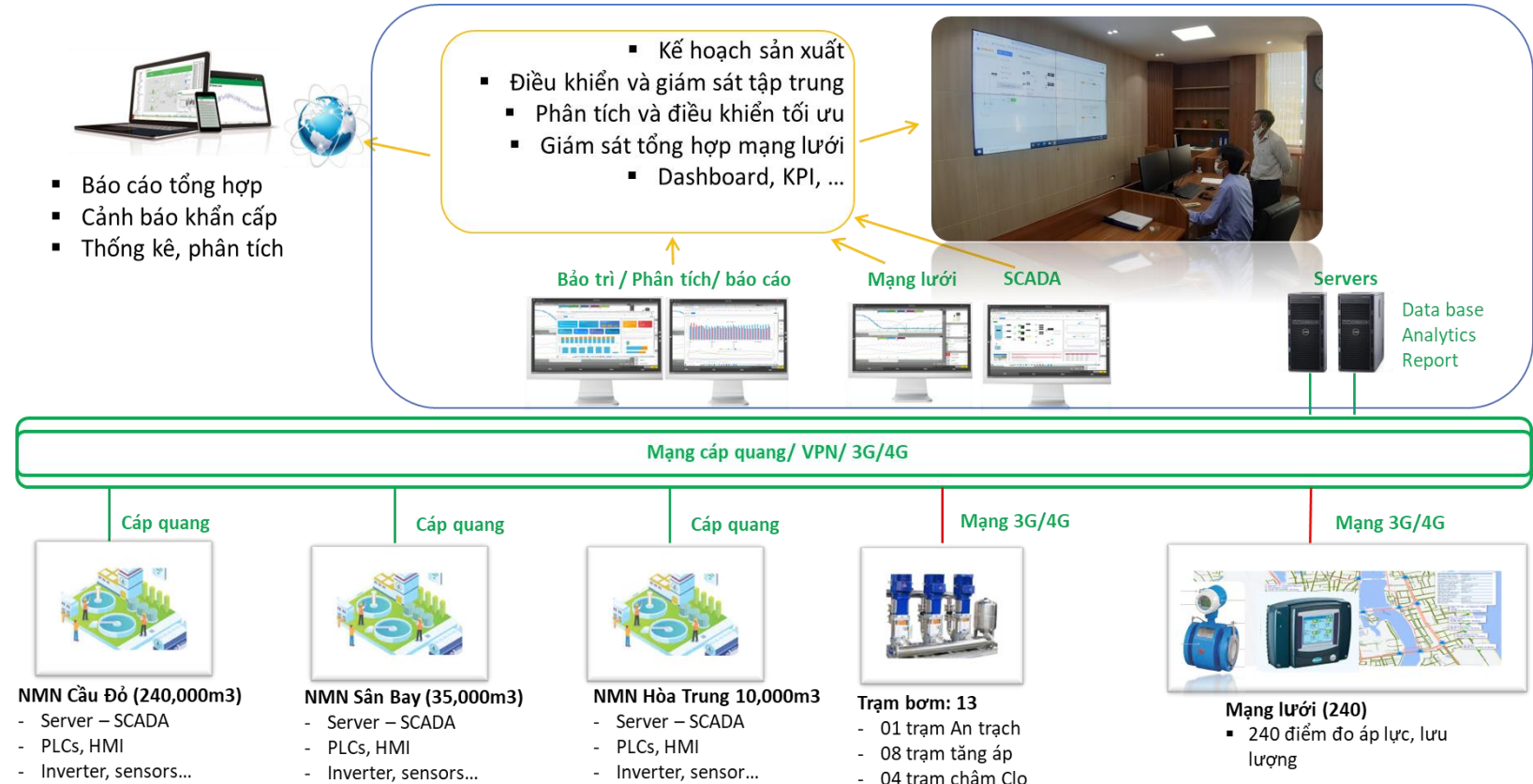
03 water treatment plants, 06 booster pump stations, 300 points of flow and pressure measurement and 10 points of water quality check



HueWACO



CENTRALIZED OPERATION CENTER OF DAWACO



HYDRA VIETNAM

Client: HYDRA VIETNAM, (CZECH REPUBLIC)

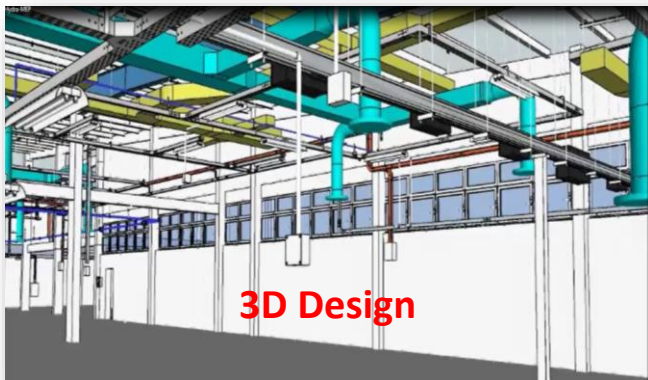
Project: Hydra Việt Nam production plant

Scope of work: Design, provide and install the MEP systems for the plant.

Total area: 5,000m²

Time : 2015

Location: Quảng Nam



RELATS VIETNAM

Client: RELATS VIETNAM

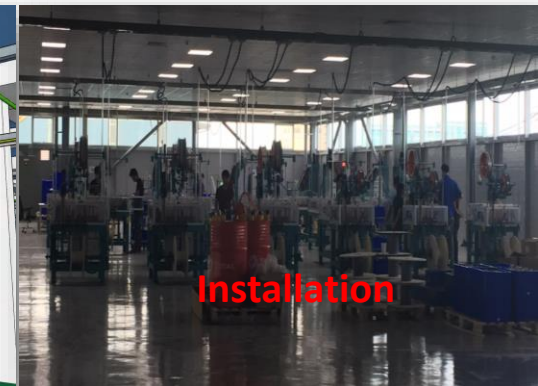
Project: RELATS Việt Nam production plant

Scope of work: Design, provide and install the MEP systems for the plant

Total area: 4,000m²

Time : 2016

Location: Quảng Nam



PREMO VIETNAM

Client: PREMO VIETNAM

Project1: Premo production plant 1

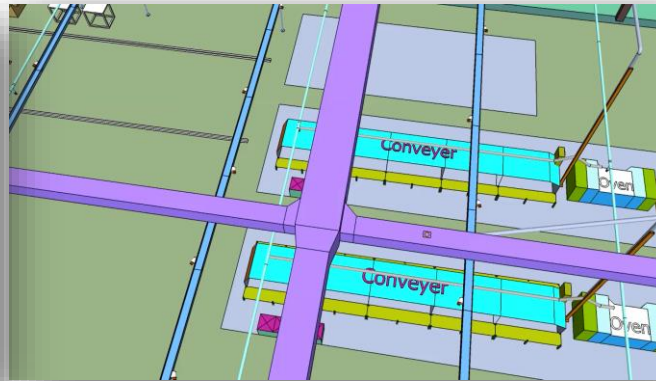
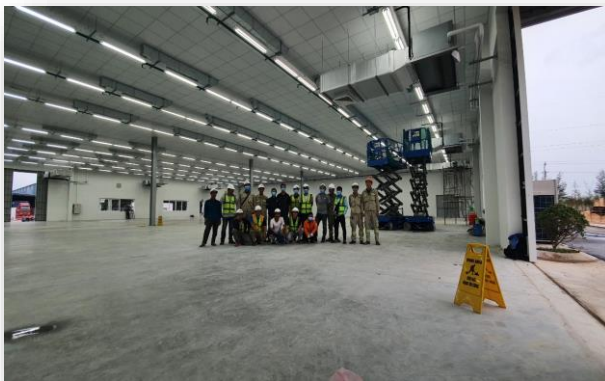
Project 2: Premo production plant 2

Scope of work: Design, provide and install the MEP systems for the plant

Total area: 3,000m² + 3000m²

Time: 2015&2021

Location: Quảng Nam



CCIPY

Client: CCIPY, (Coilcraft, USA)

Project 1: CCIPY production plant

Scope of work: Design, provide and install the MEP systems for the plant

Total area: 6,400m²

Project 2: CCIPY warehouse & molding house

Location: Phú Yên





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