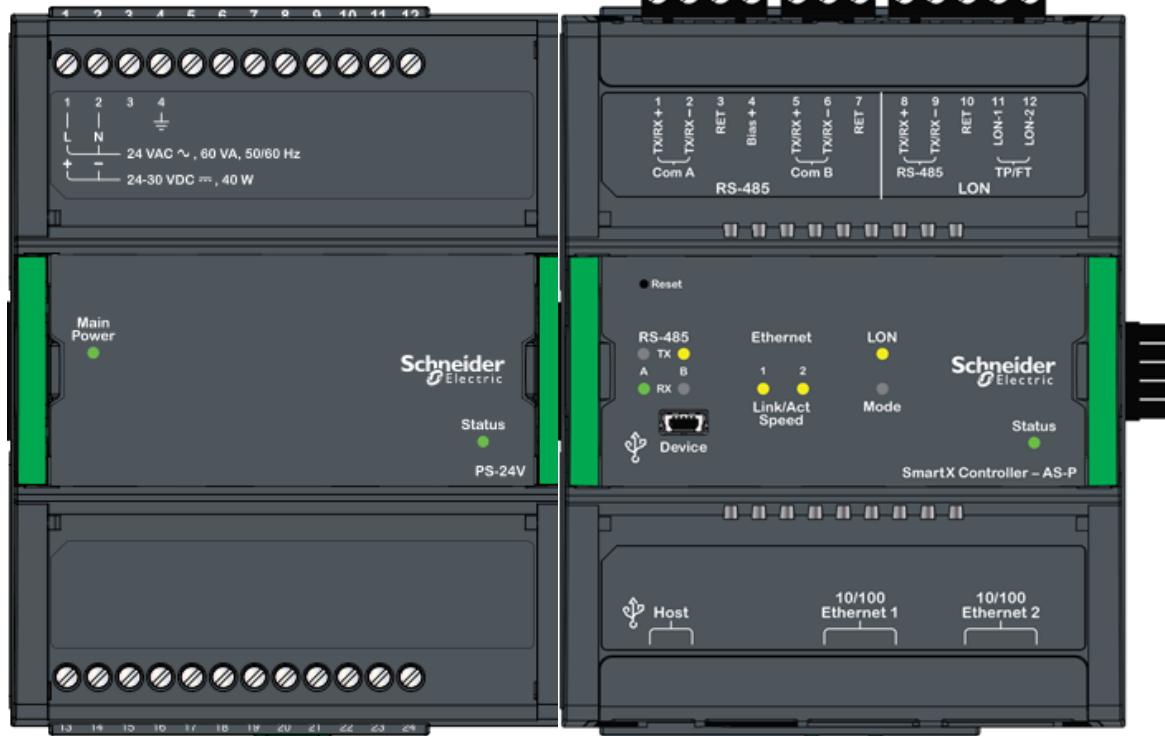


Presentation for Junior Engineer

Kanyawee Sadubjit

INC Technology Co.,Ltd

Work Experience



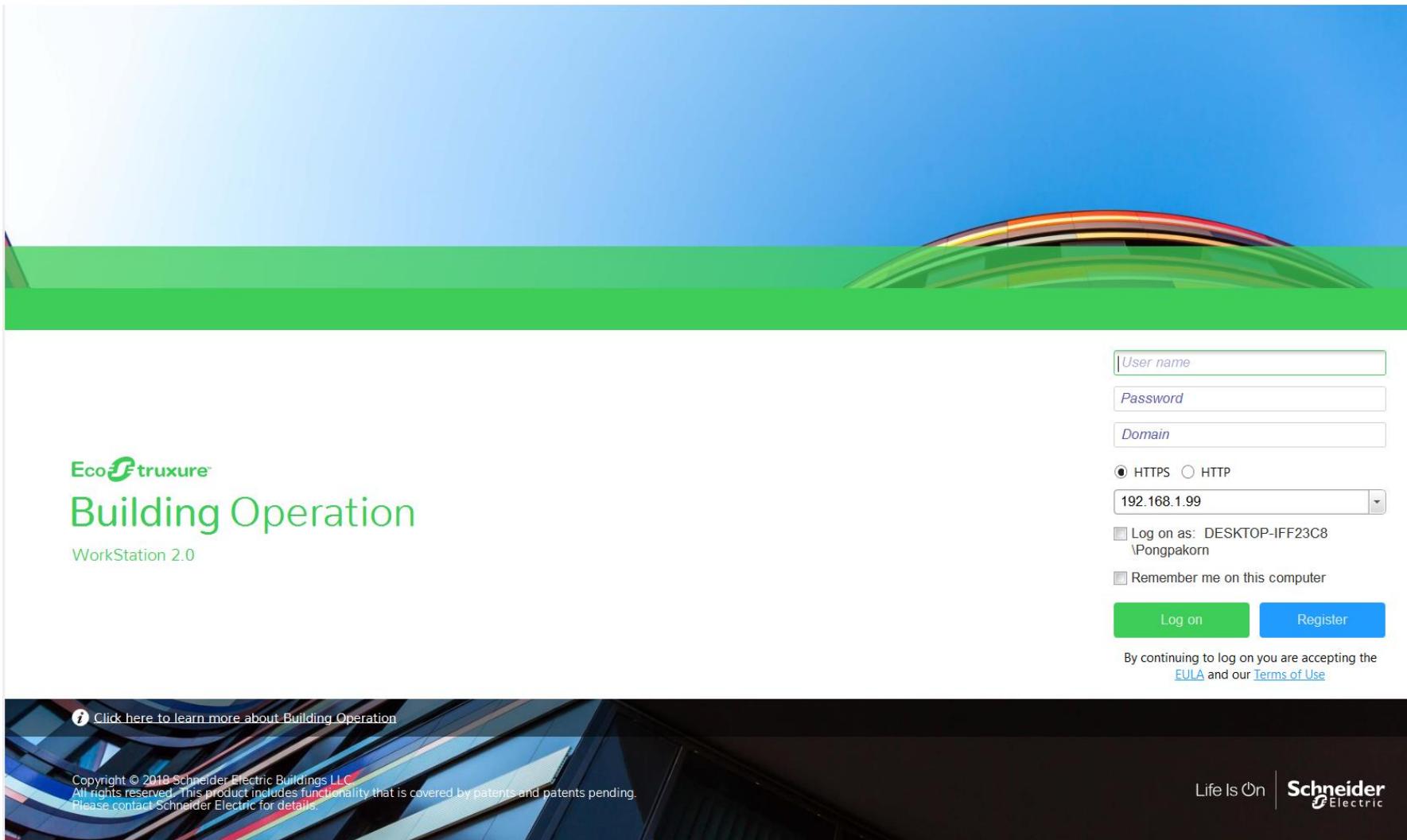
Power Supply PS-
24V

Controller: AS-P



Meter: PM2200

Control by the user: WorkStation Building Operation Program

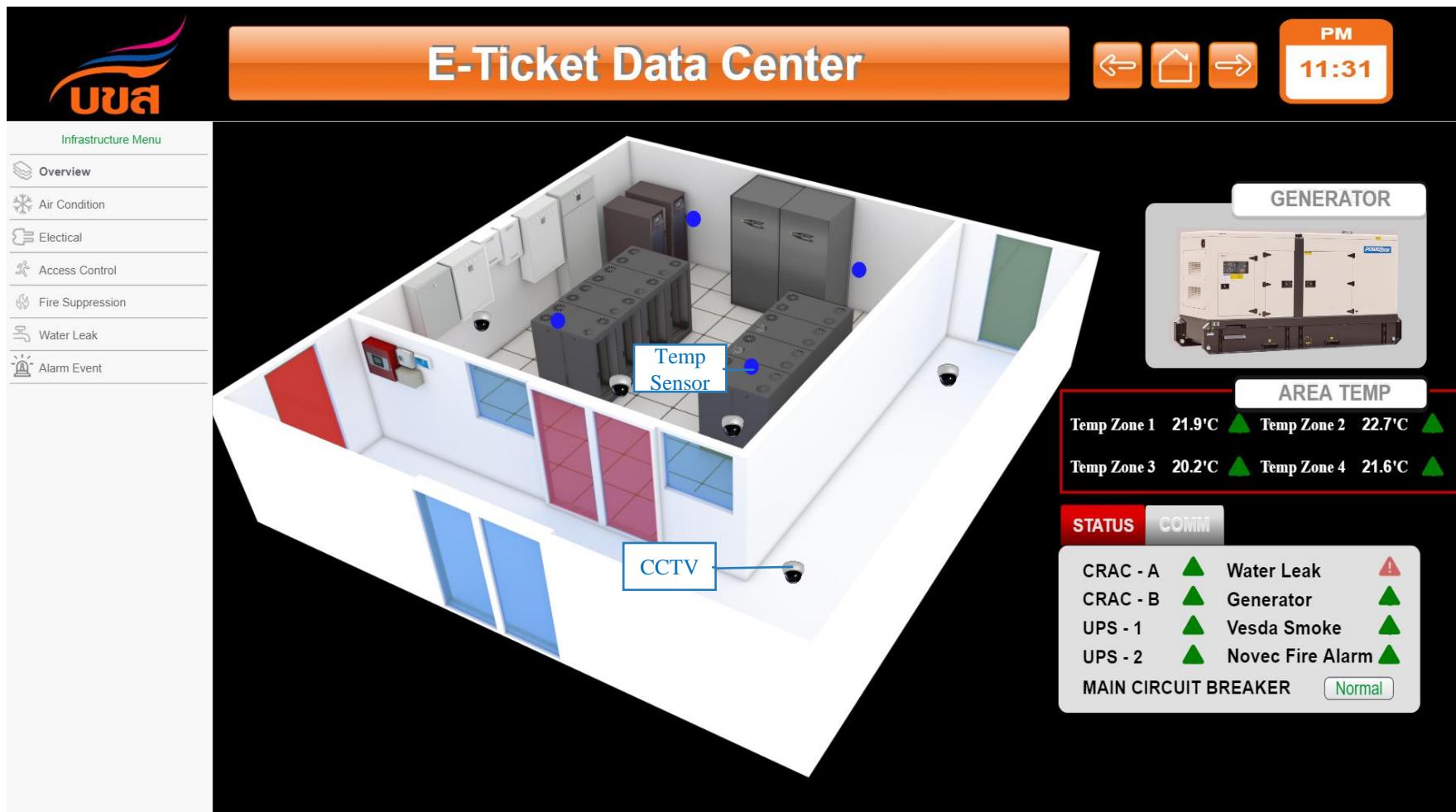


DATA CENTER



Schneider
Electric

Menu-Overview



Infrastructure Menu : Air Condition

- Overview Temperature & Humidity: 4 areas in data center room



Infrastructure Menu : Air Condition

- CRAC Monitor

The screenshot shows the E-Ticket Data Center interface. At the top, there's a logo for 'UVA' and a navigation bar with 'Infrastructure Menu', 'Overview', 'Air Condition', 'Temperature & Humidity', 'CRAC', 'Electrical', 'Access Control', 'Fire Suppression', 'Water Leak', and 'Alarm Event'. Below the navigation bar, the title 'E-Ticket Data Center' is displayed along with system status icons for 'COMM: Modbus' and 'CRAC - A' (status: Normal). The main area features a large image of a CRAC unit with the 'CITIC' logo. To the right, there are two tables: one for 'Status' and one for 'Parameter'.

STATUS	PARAMETER
FAN UNIT ON OFF	OFF
ALARM	Normal
FILTER BLOCK ALARM	Normal
COMP 1 HIGH PRESSURE	Normal
COMP 2 HIGH PRESSURE	Normal
COMP 1 LOW PRESSURE	Normal
COMP 2 LOW PRESSURE	Normal

STATUS	PARAMETER
RETURN AIR HUMIDITY	0.00 %RH
RETURN AIR TEMPERATURE	0.00 °C
COMPRESSOR 01 RUN TIME	0.00 hr
COMPRESSOR 02 RUN TIME	0.00 hr
COMPRESSOR 03 RUN TIME	0.00 hr

Aircondition CRAC-A

STATUS	PARAMETER
FAN UNIT ON OFF	OFF
ALARM	Normal
FILTER BLOCK ALARM	Normal
COMP 1 HIGH PRESSURE	Normal
COMP 2 HIGH PRESSURE	Normal
COMP 1 LOW PRESSURE	Normal
COMP 2 LOW PRESSURE	Normal

STATUS	PARAMETER
RETURN AIR HUMIDITY	0.00 %RH
RETURN AIR TEMPERATURE	0.00 °C
COMPRESSOR 01 RUN TIME	0.00 hr
COMPRESSOR 02 RUN TIME	0.00 hr
COMPRESSOR 03 RUN TIME	0.00 hr

Infrastructure Menu : Air Condition

- UPS Monitor

Panel_shortcut x

E-Ticket Data Center

AM 10:34

COMM: Modbus
UPS - 01 Fault

UPS Overview Air Condition Electrical UPS DB Generator Meter Access Control Fire Suppression Water Leak Alarm Event

Uninterruptible Power Supply - 1

Next

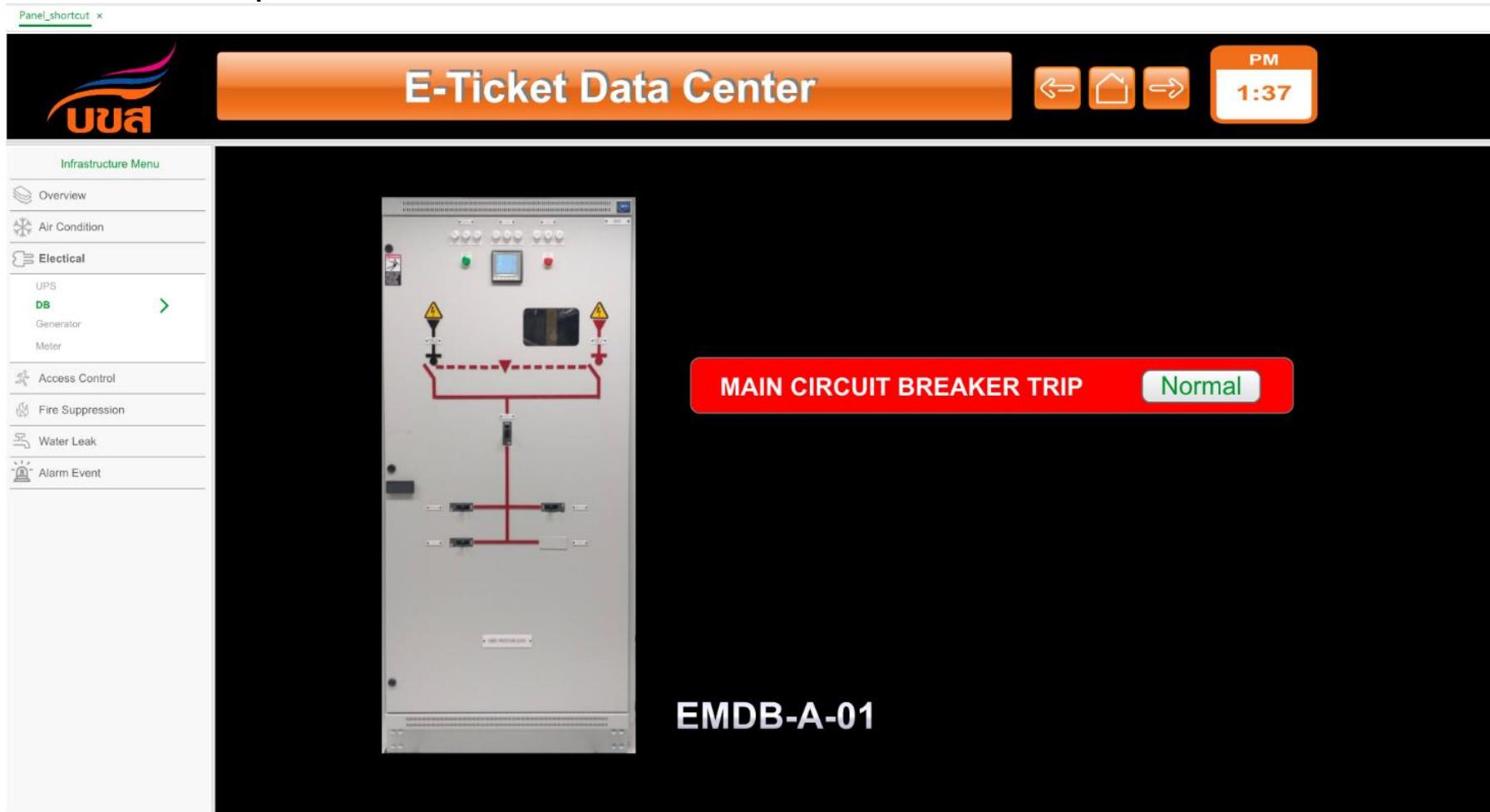
	ALARM	PARAMETER
GENERAL ALARM	Normal	
INVERTER GENERAL ALARM	Normal	
MAINS GENERAL ALARM	Normal	
DISCHARGER GENERAL ALARM	Normal	
CHARGER GENERAL ALARM	Normal	
BYPASS GENERAL ALARM	Normal	

	ALARM	PARAMETER	
GENERAL ALARM		Normal	
INVERTER GENERAL ALARM		Normal	
MAINS GENERAL ALARM		Normal	
DISCHARGER GENERAL ALARM		Normal	
CHARGER GENERAL ALARM		Normal	
BYPASS GENERAL ALARM		Normal	

	ALARM	PARAMETER	INPUT	OUTPUT
UPS CURRENT A		0.00	0.00	Amps
UPS CURRENT B		0.00	0.00	Amps
UPS CURRENT C		0.00	0.00	Amps
UPS VOLTAGE A-N		0.00	0.00	Volts
UPS VOLTAGE B-N		0.00	0.00	Volts
UPS VOLTAGE C-N		0.00	0.00	Volts
UPS VOLTAGE A-B		0.00	0.00	Volts
UPS VOLTAGE B-C		0.00	0.00	Volts
UPS VOLTAGE C-A		0.00	0.00	Volts
UPS FREQUENCY		0.00	0.00	Hz

Infrastructure Menu : Air Condition

- Main Circuit Breaker Trip



Infrastructure Menu : Air Condition

- Generator

Panel_shortcut x

E-Ticket Data Center

COMM: Modbus
GENERATOR Fault

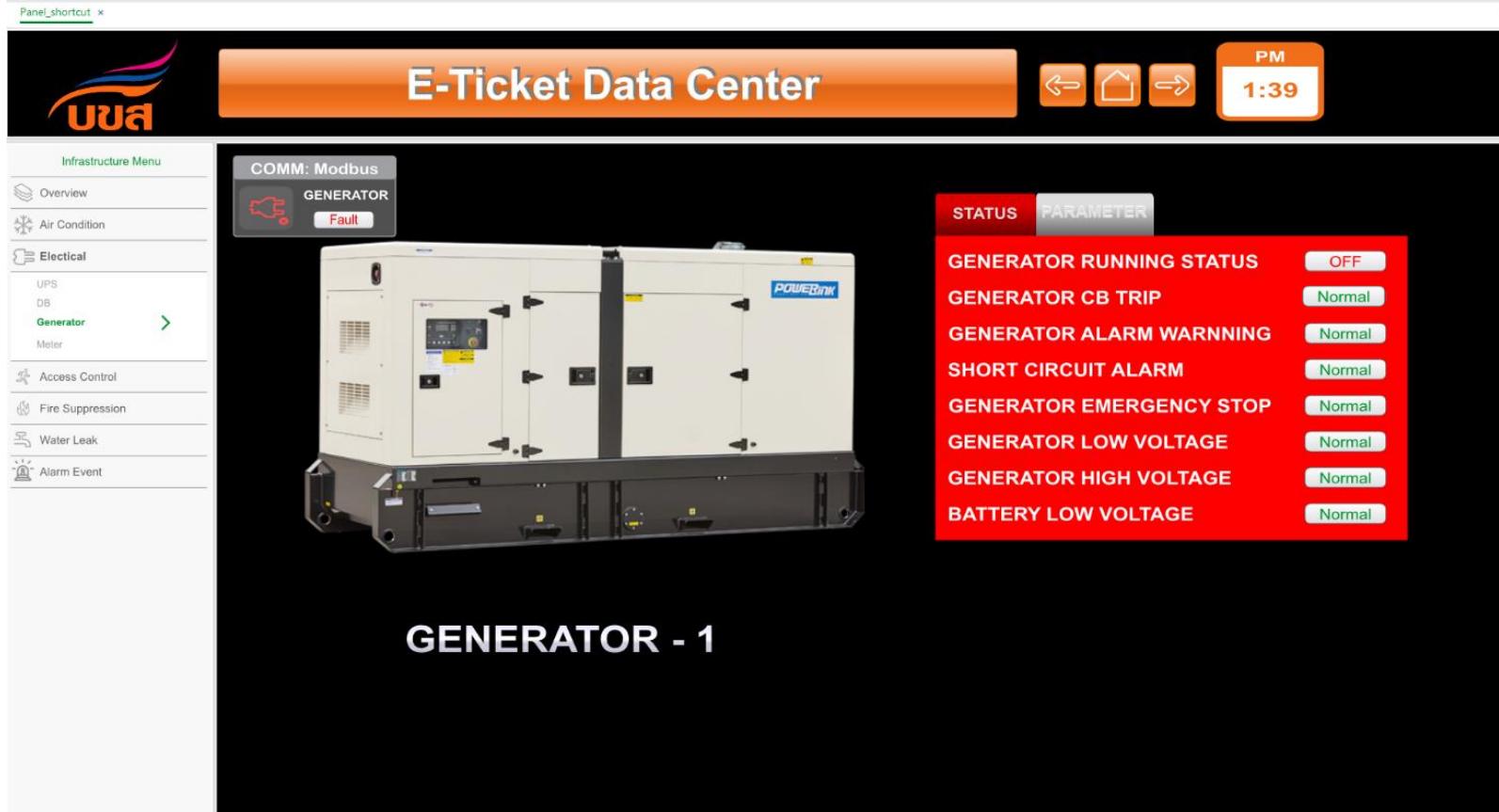
POWERMAX

Generator - 1

STATUS PARAMETER

GENERATOR RUNNING STATUS	OFF
GENERATOR CB TRIP	Normal
GENERATOR ALARM WARNING	Normal
SHORT CIRCUIT ALARM	Normal
GENERATOR EMERGENCY STOP	Normal
GENERATOR LOW VOLTAGE	Normal
GENERATOR HIGH VOLTAGE	Normal
BATTERY LOW VOLTAGE	Normal

PM 1:39



STATUS	PARAMETER
GENERATOR RUNNING STATUS	OFF
GENERATOR CB TRIP	Normal
GENERATOR ALARM WARNING	Normal
SHORT CIRCUIT ALARM	Normal
GENERATOR EMERGENCY STOP	Normal
GENERATOR LOW VOLTAGE	Normal
GENERATOR HIGH VOLTAGE	Normal
BATTERY LOW VOLTAGE	Normal

STATUS	PARAMETER
GENERATOR CURRENT A	0.00 Amps
GENERATOR CURRENT B	0.00 Amps
GENERATOR CURRENT C	0.00 Amps
GENERATOR VOLTAGE A-N	0.00 Volts
GENERATOR VOLTAGE B-N	0.00 Volts
GENERATOR VOLTAGE C-N	0.00 Volts
GENERATOR VOLTAGE A-B	0.00 Volts
GENERATOR VOLTAGE B-C	0.00 Volts
GENERATOR VOLTAGE C-A	0.00 Volts
GENERATOR POWER	0.00 kW
GENERATOR FREQUENCY	0.00 Hz
GENERATOR REAL ENERGY	0.00 kWh
ENGINE SPEED	0.00 RPM
ENGINE RUN TIME	0.00 Time(hr)

Infrastructure Menu : Air Condition

- Meter

Panel_shortcut x

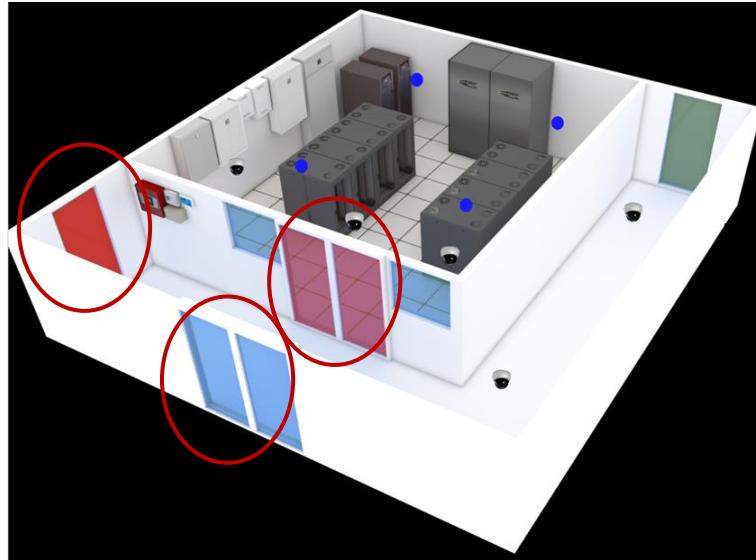
The screenshot shows the E-Ticket Data Center interface. At the top, there is a navigation bar with the UET logo, the title "E-Ticket Data Center", and a timestamp "PM 1:15". Below the navigation bar is a sidebar titled "Infrastructure Menu" with various system icons and names: Overview, Air Condition, Electrical, UPS, DB, Generator, Meter, Access Control, Fire Suppression, Water Leak, and Alarm Event. The "Meter" item is currently selected. The main content area displays a digital meter from Schneider Electric's PowerLogic PM2230 series. The meter screen shows "SUMMARY 3 - PHASE" for a 3-P system with readings of 0 V, 0 A, 0 kWTOT, and 0 kWh. Below the meter are four circular control buttons labeled AMPS, VOLTS, PWR, and a right-pointing arrow. A red-bordered box highlights the "MDB-1" section on the right, which lists 16 electrical parameters with their current values and units. At the bottom of the screen, a red-bordered box contains the text "ELECTRIC (Digital Meter to MDB-1)". In the bottom right corner, there is a "Next" button with a right-pointing arrow.

MDB-1	
Voltage A-N	0.00 Volts
Voltage B-N	0.00 Volts
Voltage C-N	0.00 Volts
Voltage A-B	0.00 Volts
Voltage B-C	0.00 Volts
Voltage C-A	0.00 Volts
Current Phase A	0.00 Amps
Current Phase B	0.00 Amps
Current Phase C	0.00 Amps
Frequency	0.00 Hz
Apparent Power Total	0.00 kVA
Reactive Power Total	0.00 kVAr
Power Factor Total	0.00 PF
Active Power Total	0.00 kW
Active Energy	0.00 kWh

ELECTRIC (Digital Meter to MDB-1)

Next

Infrastructure Menu : Access Control



Panel_shortcut x

E-Ticket Data Center

PM
1:29

Infrastructure Menu

- Overview
- Air Condition
- Electrical
- Access Control**
- Access Control >
- CCTV
- Fire Suppression
- Water Leak
- Alarm Event

14 47

ZKTeco

Server Room Transport Door OFF

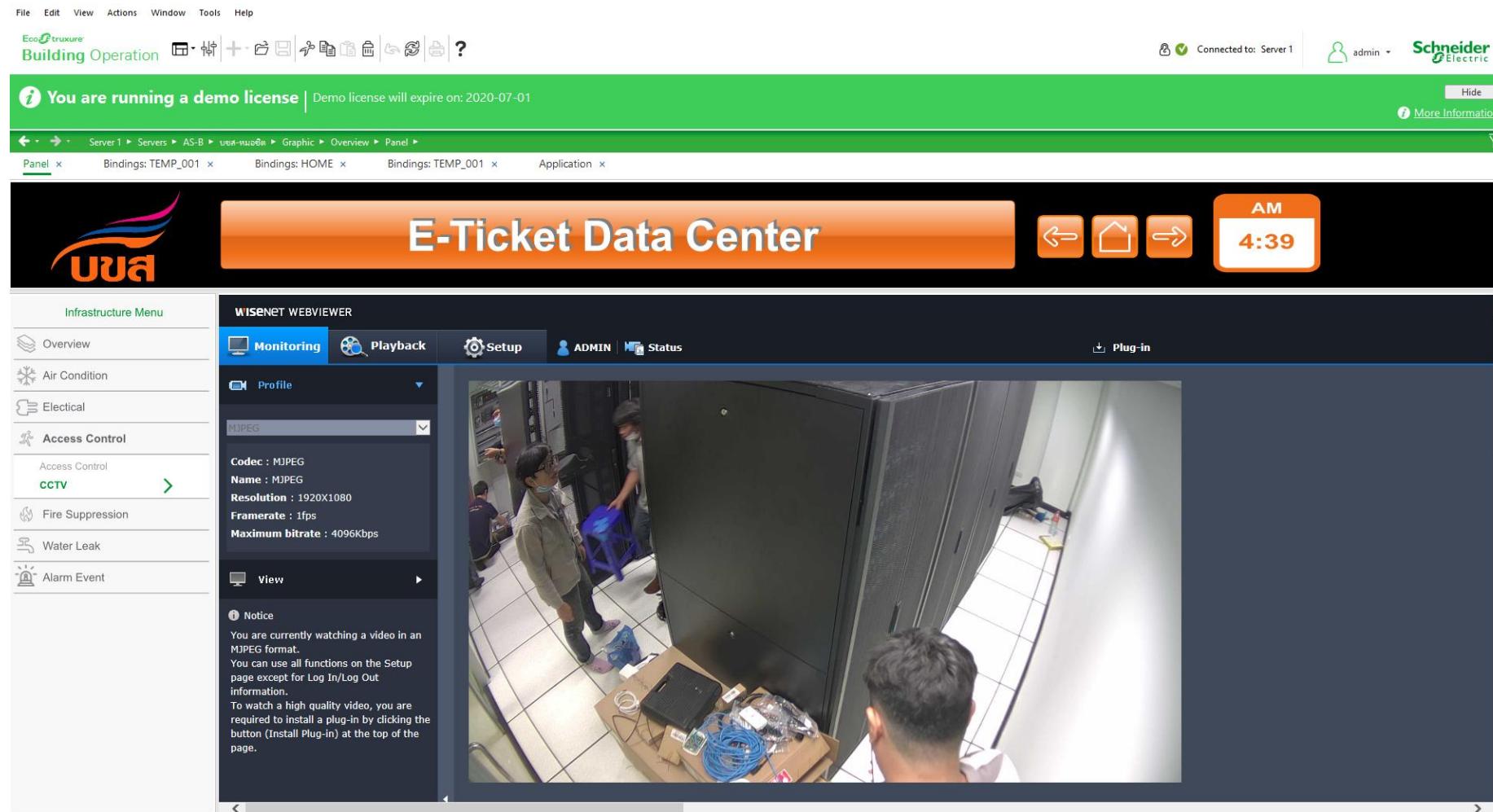
NOC Room Door OFF

ACCESS CONTROL SYSTEM

The screenshot shows a software interface titled "E-Ticket Data Center". The top bar includes navigation icons and a timestamp of "PM 1:29". On the left, there's a sidebar with a logo and a list of infrastructure menu items, with "Access Control" currently selected. The main area features a large image of a ZKTeco access control device. Below it, two doors are listed with their status as "OFF". The bottom of the screen has a prominent "ACCESS CONTROL SYSTEM" heading.

Infrastructure Menu : Access Control

- CCTV



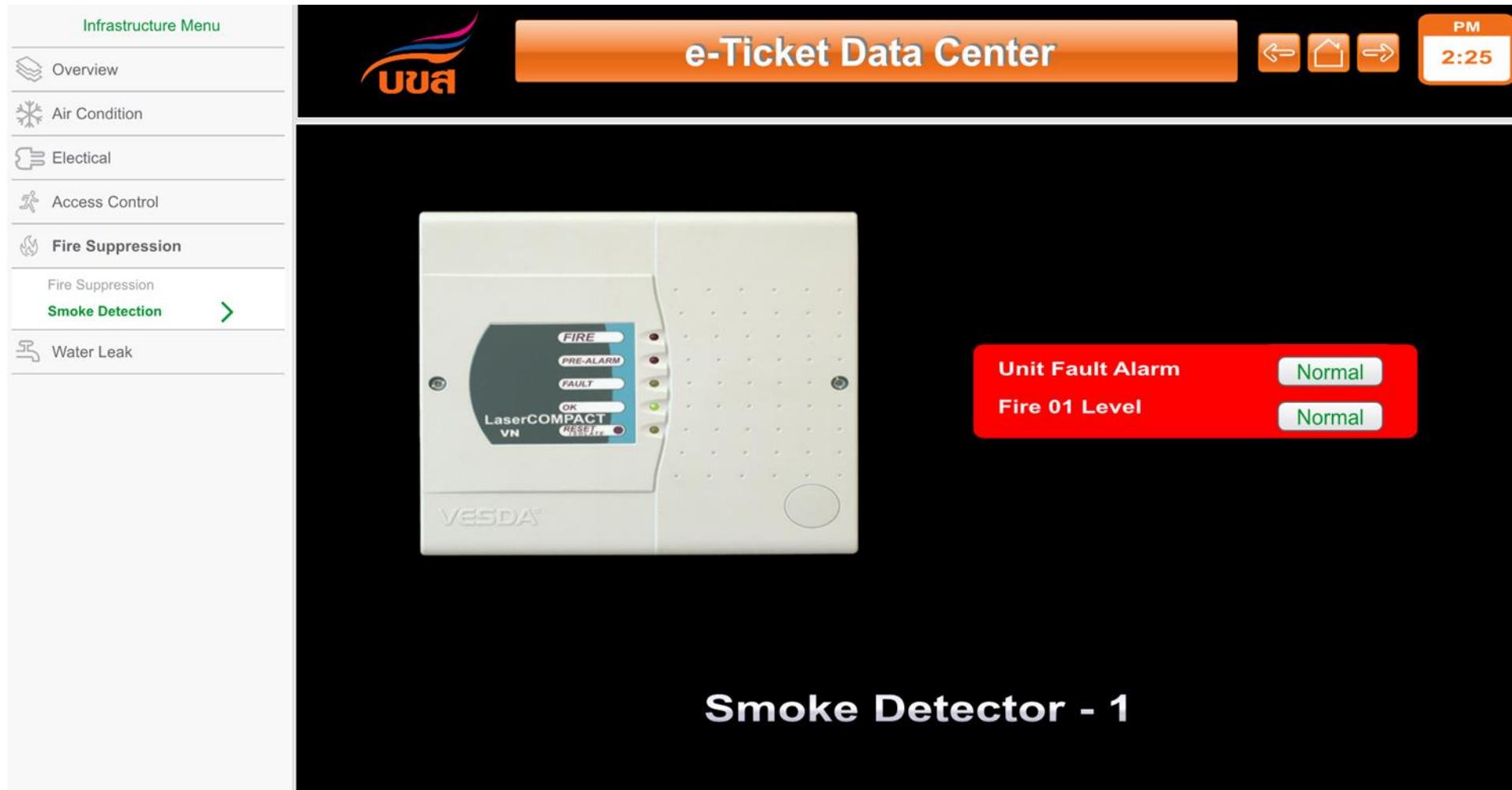
Infrastructure Menu : Fire Suppression System

- Fire Suppression



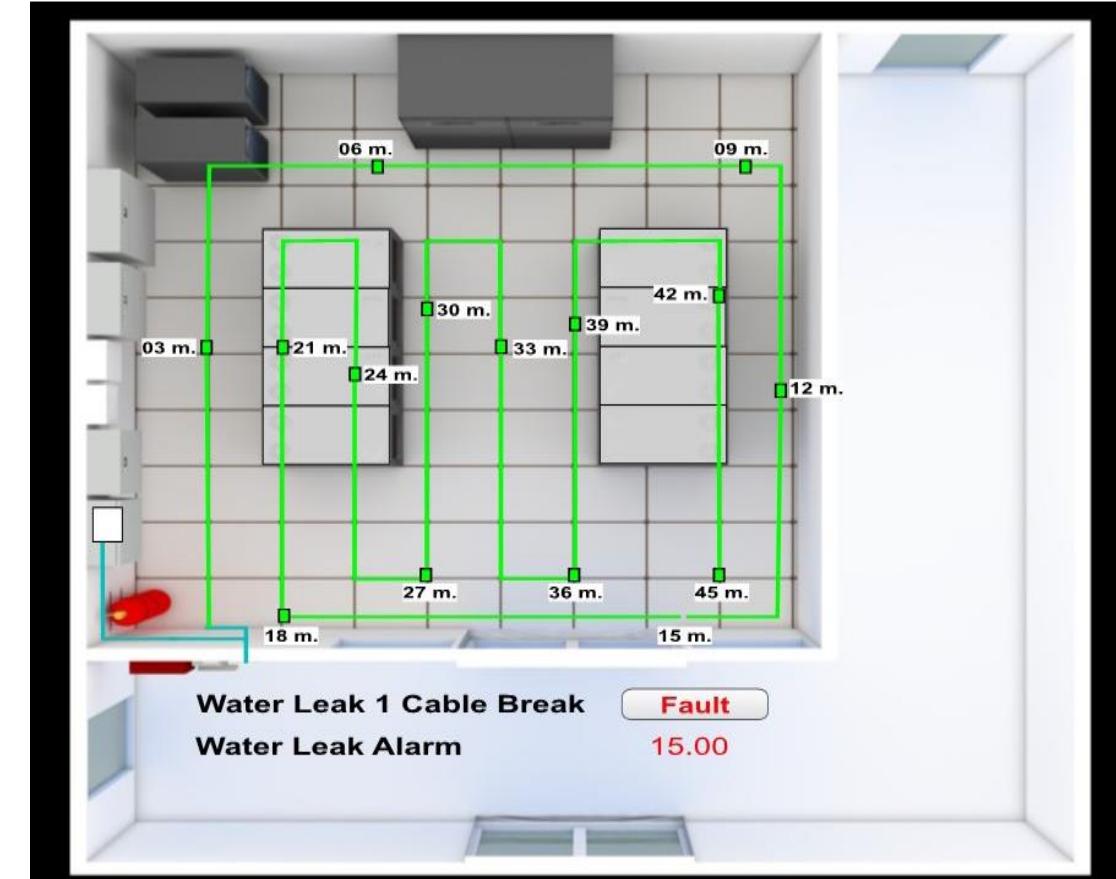
Infrastructure Menu : Fire Suppression System

- Smoke Detection



Infrastructure Menu : Air Condition

- Water Leak Detector and distance of sensor install



BAS: Building Automation System



The Lotus's logo, consisting of the word "Lotus's" in a large, white, sans-serif font. A small yellow teardrop-shaped graphic is positioned above the letter "s".

Menu-Overview: Home

Building Energy Management System ST#00017 สาขา ภูเก็ต

27.7 °C
74.3 %RH
January 19 Wednesday
00:36:12
Lotus's

Infrastructure Menu

- Home
- Chiller Plant
- Air Handling Unit
- Lighting
- Digital Meter
- Trend Log
- Energy



บริษัทการไฟฟ้า ดีเซลล์

DEES Diesel Co., Ltd.

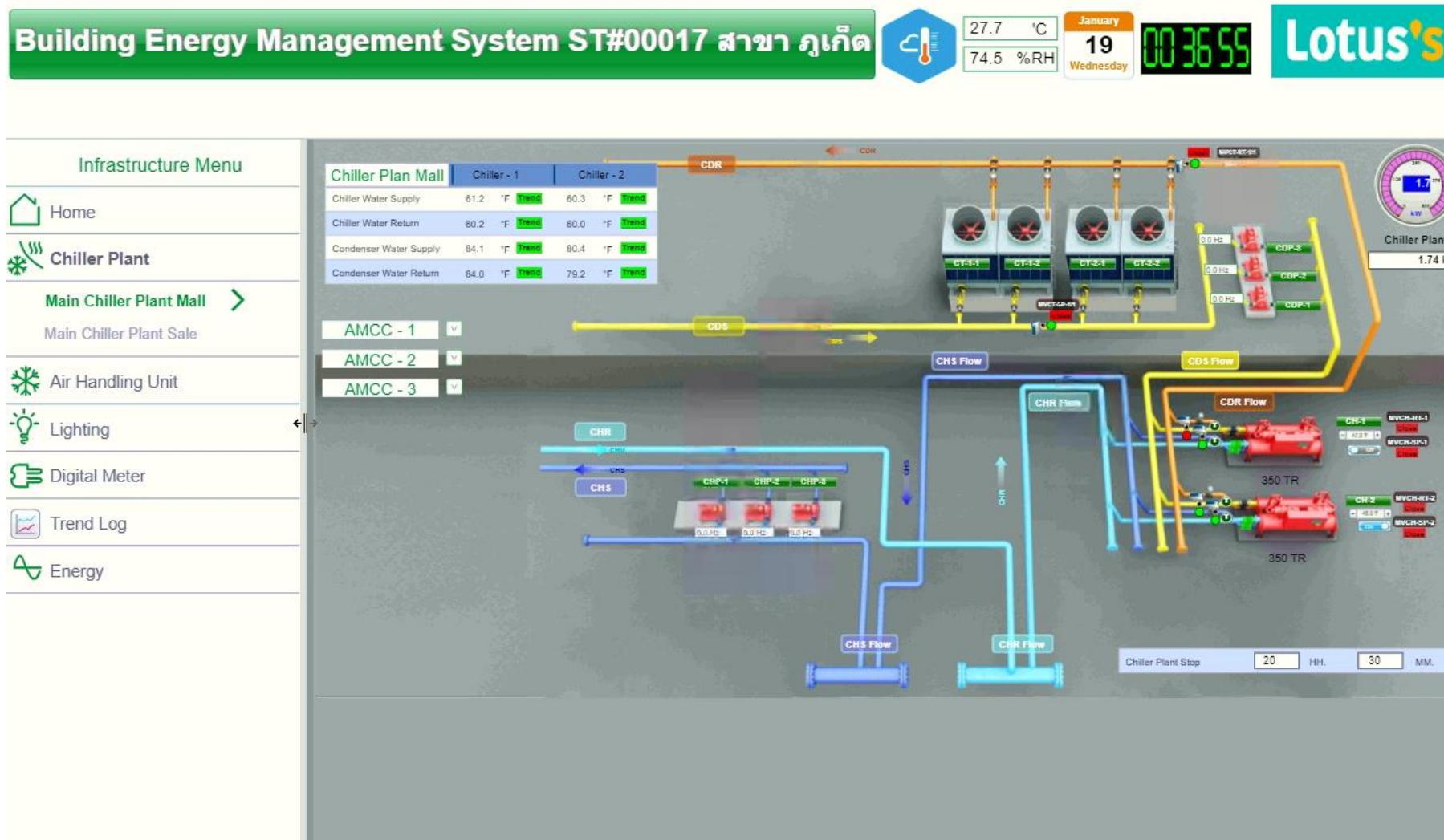
คุณ อรุณรัตน์ พรมสิน
090-090-7298

คุณ กิติกร มณีเจันทร์
083-540-4207

Yesterday	Today	Total Load	Chiller Plant	Air Handling Unit	Lighting	Refrigeration	Others
12855 kWh	94 kWh	141.31 kW	1.75 kW	0.20 kW	55.85 kW	80.25 kW	3.27 kW

Infrastructure Menu : Chiller Plant

- Overview Main Chiller Plant, It has Mall zone and Sale Zone



Infrastructure Menu : Air Condition

- Monitor and Control: Chiller



MOTORIZED VALVE Information

MOTORIZED VALVE CONTROL(CHILLER) SUPPLY	On
Manual ON/OFF VALVE (CHILLER) SUPPLY	On
MOTORIZED VALVE CONTROL(CHILLER) RETURN	Off
Manual ON/OFF VALVE (CHILLER) RETURN	Off
MOTORIZED VALVE CONTROL(CONDENSER) SUPPLY	On
Manual ON/OFF VALVE (CONDENSER) SUPPLY	On
MOTORIZED VALVE CONTROL(CONDENSER) RETURN	Off
Manual ON/OFF VALVE (CONDENSER) RETURN	Off

Infrastructure Menu : Air Condition

- Monitor and Control: Chiller



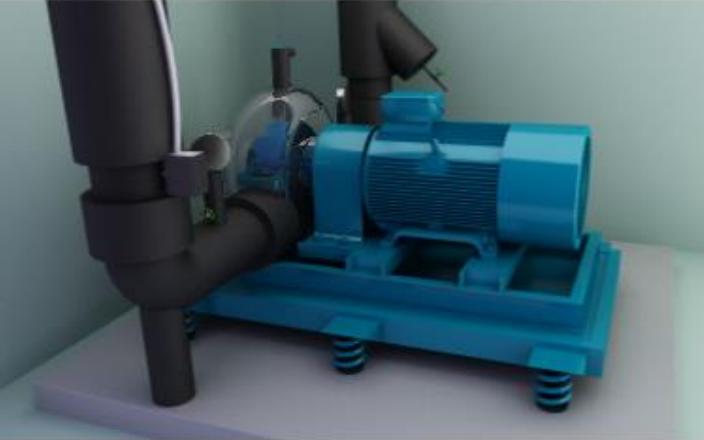
MOTORIZED VALVE Information

MOTORIZED VALVE CONTROL(CHILLER) SUPPLY	On
Manual ON/OFF VALVE (CHILLER) SUPPLY	On
MOTORIZED VALVE CONTROL(CHILLER) RETURN	Off
Manual ON/OFF VALVE (CHILLER) RETURN	Off
MOTORIZED VALVE CONTROL(CONDENSER) SUPPLY	On
Manual ON/OFF VALVE (CONDENSER) SUPPLY	On
MOTORIZED VALVE CONTROL(CONDENSER) RETURN	Off
Manual ON/OFF VALVE (CONDENSER) RETURN	Off

Infrastructure Menu : Air Condition

- Monitor and Control: Chiller Pump and Condenser Pump

Primary Chilled Water Pump : Chiller Room.

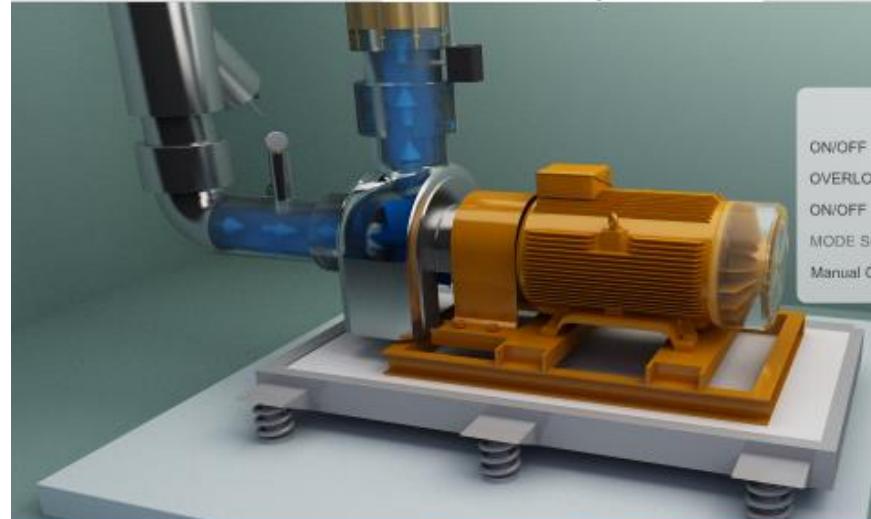


PRIMARY CHILLER WATER PUMP Information

ON/OFF STATUS	<input checked="" type="button"/> On 
OVERLOAD STATUS	NORMAL
ON/OFF STATUS AIR FLOW SWITCH	<input checked="" type="button"/> OFF 
MODE SCHEDULE/MANUAL	<input type="button"/> Manual 
Manual ON/OFF	<input checked="" type="button"/> On  <input type="button"/> Off 

Secondary Chilled Water Pump No.1

Condenser Water Pump : Chiller Room.



CONDENSOR Information

ON/OFF STATUS	<input checked="" type="button"/> On 
OVERLOAD STATUS	NORMAL
ON/OFF STATUS AIR FLOW SWITCH	<input checked="" type="button"/> OFF 
MODE SCHEDULE/MANUAL	<input type="button"/> Manual 
Manual ON/OFF	<input checked="" type="button"/> On  <input type="button"/> Off 

Condenser Water Pump No.1

Infrastructure Menu : Air Handling Unit

- Overview Air Handling Unit : Main Mall Zone and 2 Floor zones for sale

The screenshot displays the Building Energy Management System interface. At the top, a green header bar reads "Building Energy Management System ST#00017 สาขา ภูเก็ต". To the right of the header are icons for temperature (27.7 °C), humidity (74.5 %RH), a calendar (January 19 Wednesday), and a digital clock (00:37:22). The word "Lotus's" is also visible in the top right corner.

The main content area is titled "ZONE MALL AREA". It features a grid of 11 control panels for Air Handling Units (AHUs) numbered AHU-101 through AHU-110. Each panel includes fields for STATUS (OFF), SELECTOR MODE (LOCAL), MODE (AUTO or MANUAL), and SCHEDULE (Off). Below the grid is a digital meter showing "0.2 kW" under the "AHU" heading.

On the left side, a vertical sidebar titled "Infrastructure Menu" lists the following options:

- Home
- Chiller Plant
- Air Handling Unit
- Main Air Handling Unit > (selected)
- Floor 1 Air Handling Unit
- Floor 2 Air Handling Unit
- Lighting
- Digital Meter
- Trend Log
- Energy

Infrastructure Menu : Air Handling Unit

- Overview Air Handling Unit : Main Mall Zone and 2 Floor zones for sale

Building Energy Management System ST#00017 สาขา ภูเก็ต

27.7 °C
74.5 %RH
January 19 Wednesday
00:31:36
Lotus's

Infrastructure Menu

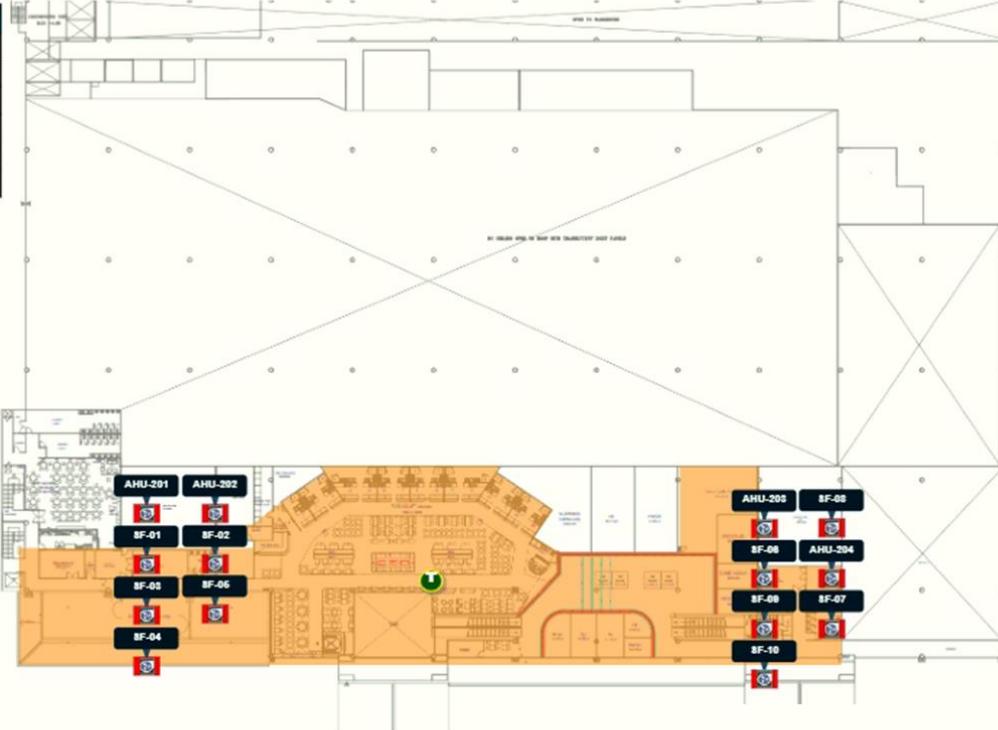
- Home
- Chiller Plant
- Air Handling Unit**
- Main Air Handling Unit
- Floor 1 Air Handling Unit
- Floor 2 Air Handling Unit >**
- Lighting
- Digital Meter
- Trend Log
- Energy

Monitoring Area Temp FL2

T/RH-OD	27.7 °C	74.5 %RH
T/RH-F1	27.5 °C	65.0 %RH
T/RH-S1	26.0 °C	66.5 %RH
T/RH-S2	26.3 °C	64.5 %RH
T/RH-M1	27.9 °C	61.5 %RH
T/RH-M2	25.7 °C	67.2 %RH

AREA TEMP

More	> 29 °C
High	27 ≤ x ≤ 29°C
Medium	25 ≤ x ≤ 27°C
Low	23 ≤ x ≤ 25°C
Less	< 23 °C



Infrastructure Menu : Lighting

- Overview Lighting : Main Mall Zone and 2 Floor zones for sale

Building Energy Management System ST#00017 สาขา ภูเก็ต

27.7 °C
January 19 Wednesday
74.5 %RH
00:37:59

Lotus's

Infrastructure Menu

- Home
- Chiller Plant
- Air Handling Unit
- Lighting**
- Main Lighting >
 - Floor 1 Lighting
 - Floor 2 Lighting
- Digital Meter
- Trend Log
- Energy

RMU-LTG_EE_MALL1

LTG_001 25%	LTG_002 50%	LTG_003 75%	LTG_004 100%
STATUS OFF SELECTOR MODE LOCAL MODE AUTO Schedule MANUAL	STATUS OFF SELECTOR MODE LOCAL MODE AUTO Manual MANUAL	STATUS OFF SELECTOR MODE LOCAL MODE AUTO Manual MANUAL	STATUS OFF SELECTOR MODE LOCAL MODE AUTO Manual MANUAL

RMU-AHU-LTG_EE_MALL2

LTG_005 25%	LTG_006 50%	LTG_007 75%	LTG_008 100%
STATUS ON SELECTOR MODE LOCAL MODE AUTO Schedule MANUAL	STATUS OFF SELECTOR MODE LOCAL MODE AUTO Manual MANUAL	STATUS ON SELECTOR MODE LOCAL MODE AUTO Schedule MANUAL	STATUS ON SELECTOR MODE LOCAL MODE AUTO Schedule MANUAL

RMU-LTG_EE_SALE1

LTG_009 25%	LTG_010 50%	LTG_011 75%	LTG_012 100%
STATUS OFF SELECTOR MODE LOCAL MODE AUTO Schedule MANUAL			

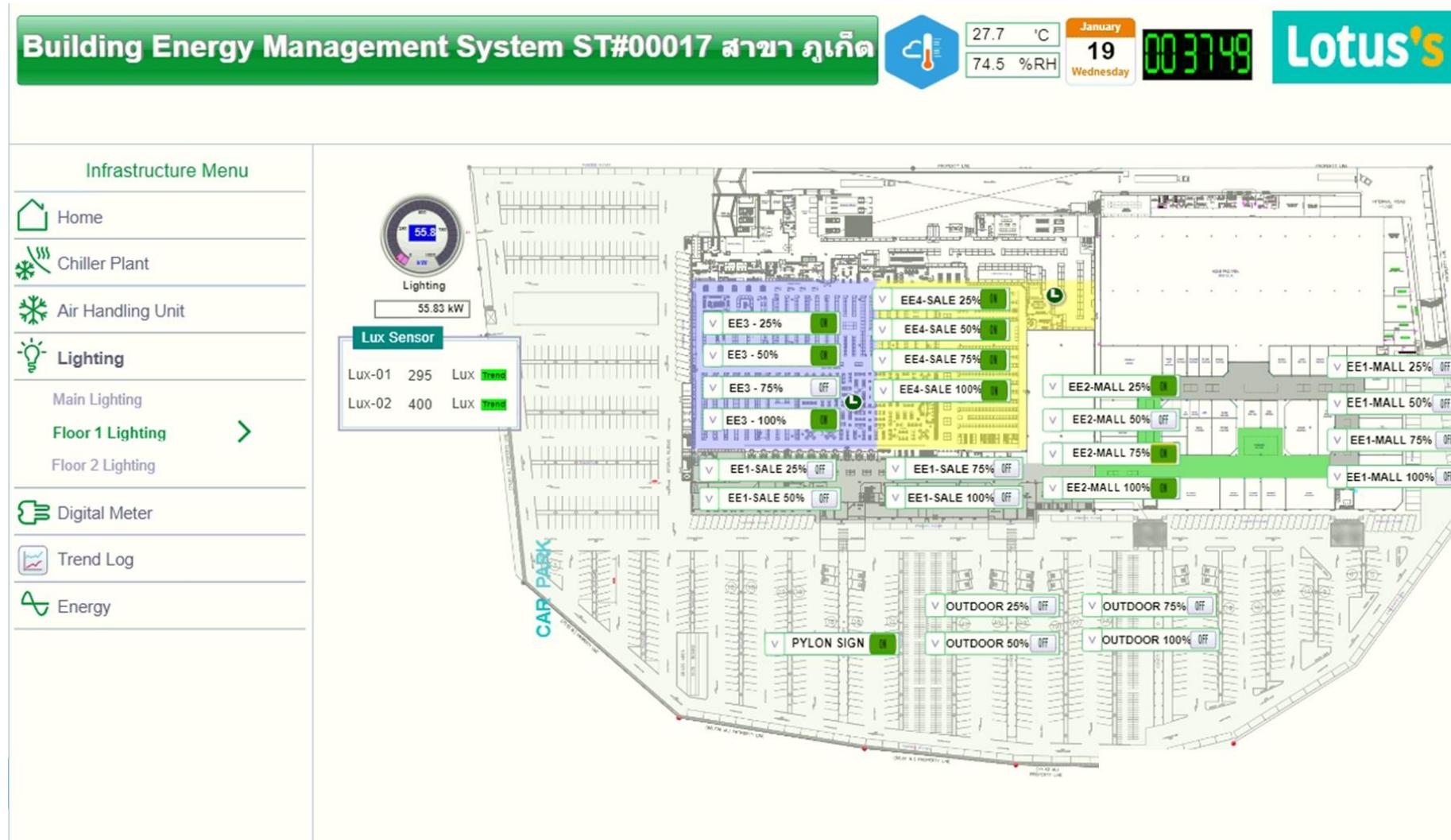
Lighting
56.11 kW

Lux Sensor

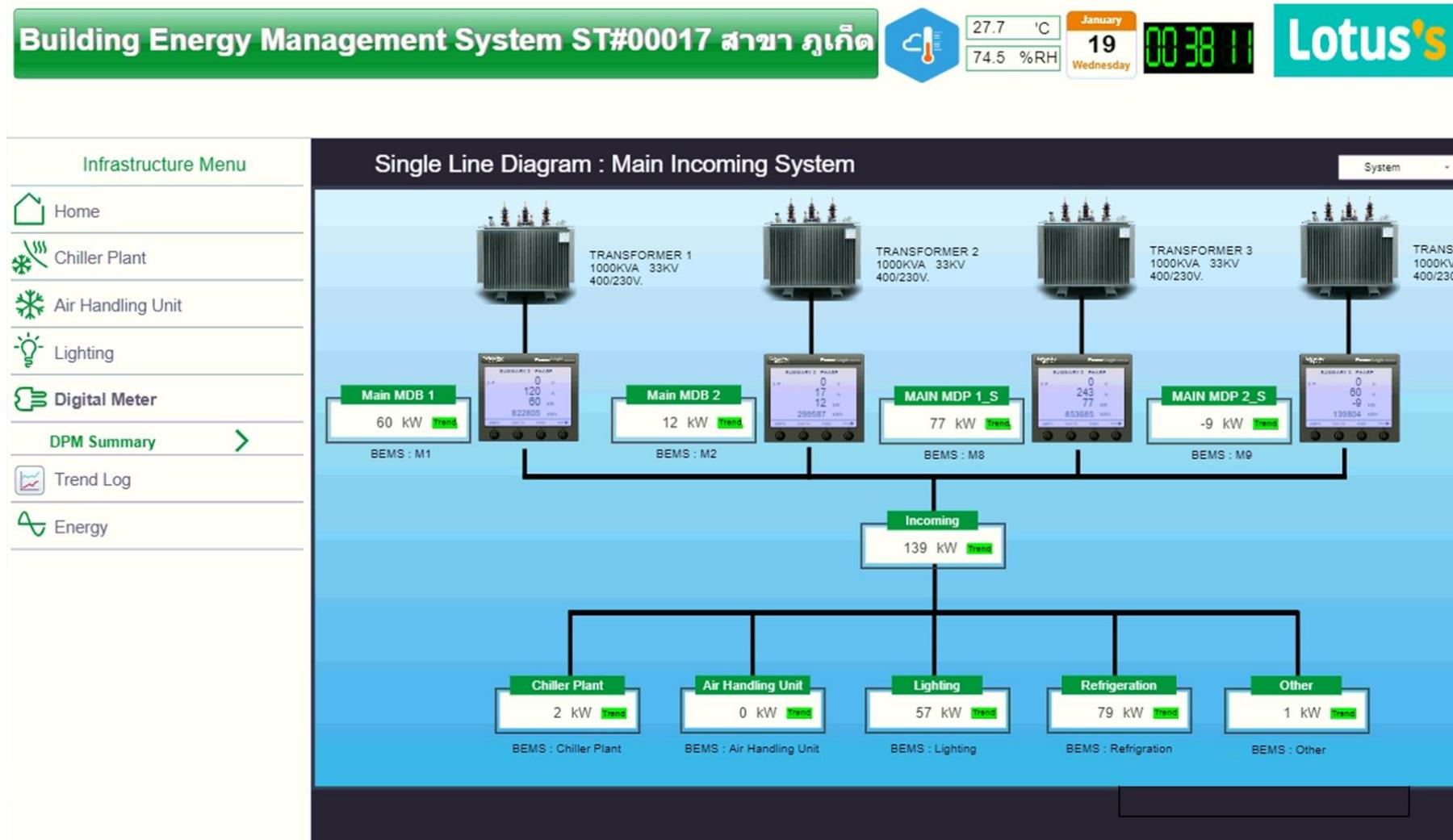
Lux-01 295 Lux	Lux-02 400 Lux
----------------	----------------

Infrastructure Menu : Lighting

- Overview Lighting : Main Mall Zone and 2 Floor zones for sale

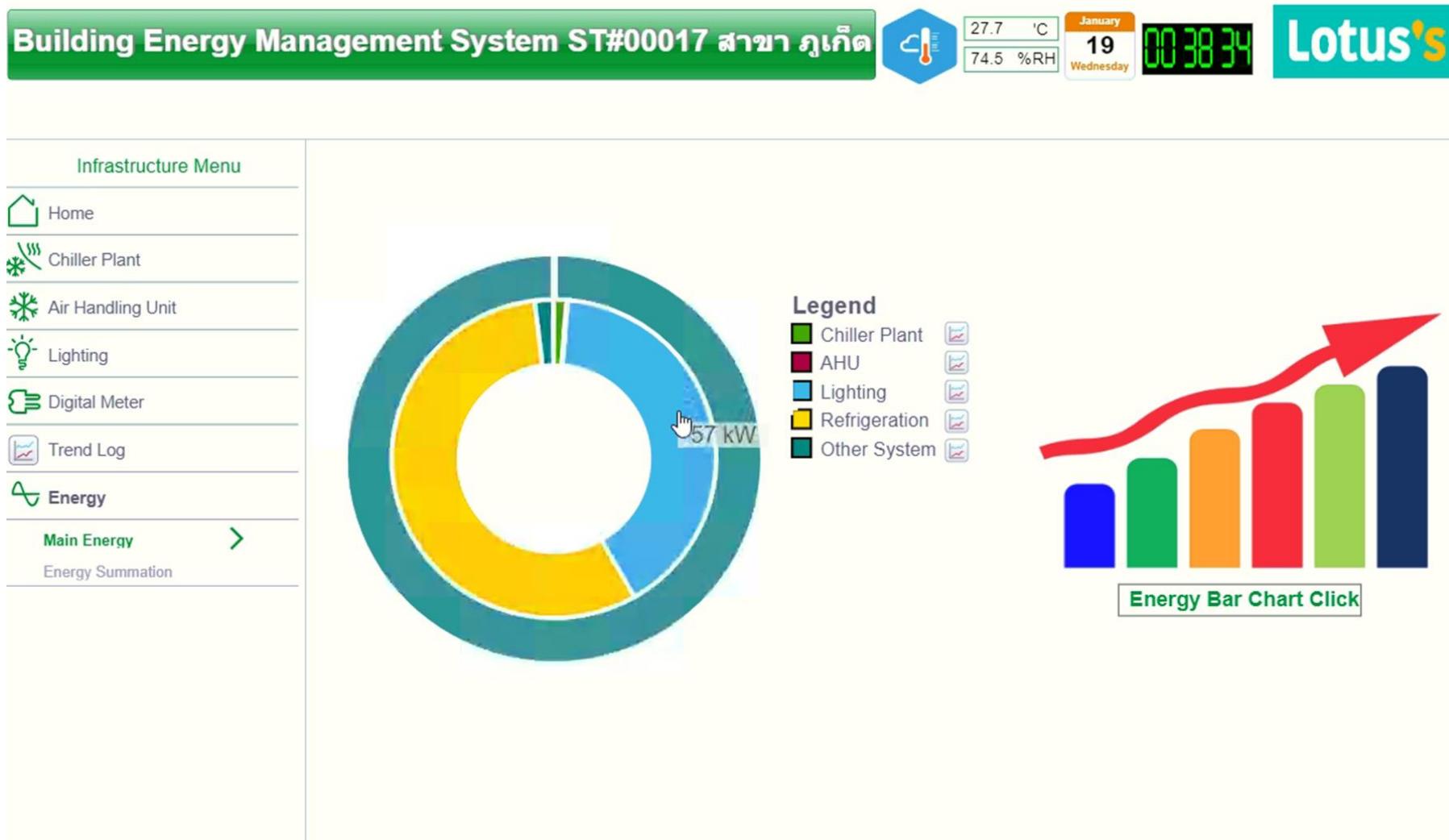


Infrastructure Menu : Digital Meter



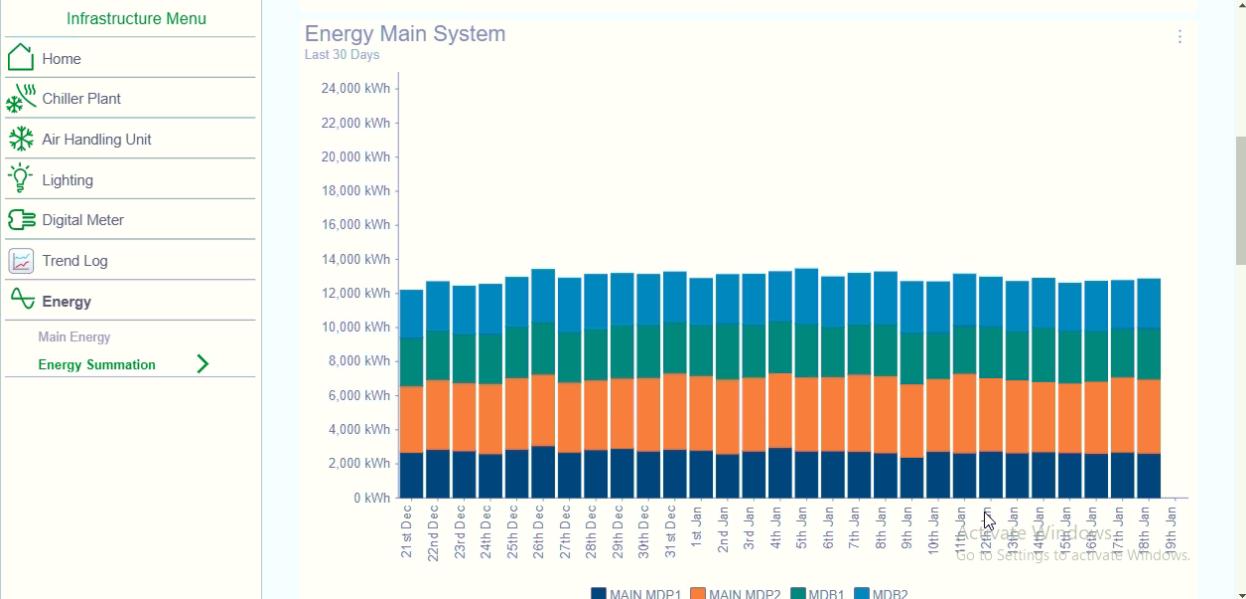
Infrastructure Menu : Dashboard Energy

- Main Energy Dashboard



Infrastructure Menu : Dashboard Energy

- Energy Summation



Infrastructure Menu : Dashboard Energy

- Energy Summation

Building Energy Management System ST#00017 สาขา ภูเก็ต



27.7 °C
19
Wednesday



00:39:21



Infrastructure Menu

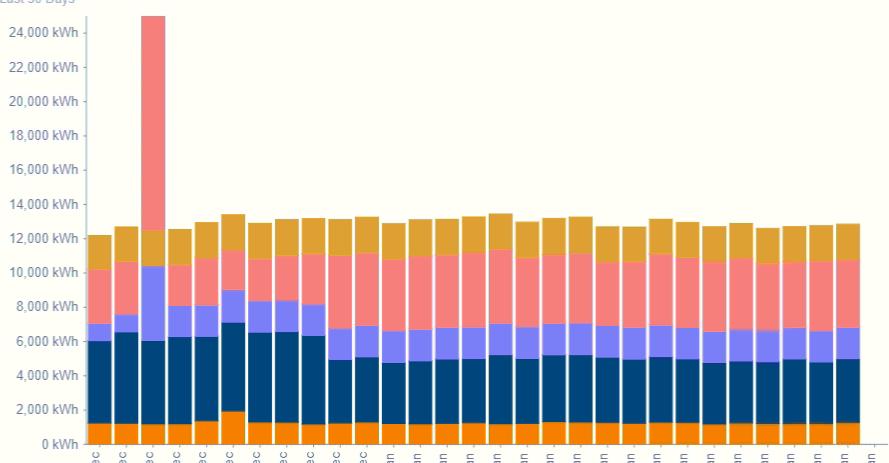
-  Home
-  Chiller Plant
-  Air Handling Unit
-  Lighting
-  Digital Meter
-  Trend Log
-  Energy

Main Energy

Energy Summation >

Energy Sub System

Last 30 Days



Date	AHU (kWh)	Chiller (kWh)	LTG (kWh)	Other (kWh)	REF (kWh)	Total (kWh)
21st Dec	1000	6000	1000	2000	2000	12000
22nd Dec	1000	6000	1000	2000	2000	12000
23rd Dec	1000	6000	1000	2000	2000	12000
24th Dec	1000	6000	1000	2000	2000	12000
25th Dec	1000	6000	1000	2000	2000	12000
26th Dec	1000	6000	1000	2000	2000	12000
27th Dec	1000	6000	1000	2000	2000	12000
28th Dec	1000	6000	1000	2000	2000	12000
29th Dec	1000	6000	1000	2000	2000	12000
30th Dec	1000	6000	1000	2000	2000	12000
31st Dec	1000	6000	1000	2000	2000	12000
1st Jan	1000	6000	1000	2000	2000	12000
2nd Jan	1000	6000	1000	2000	2000	12000
3rd Jan	1000	6000	1000	2000	2000	12000
4th Jan	1000	6000	1000	2000	2000	12000
5th Jan	1000	6000	1000	2000	2000	12000
6th Jan	1000	6000	1000	2000	2000	12000
7th Jan	1000	6000	1000	2000	2000	12000
8th Jan	1000	6000	1000	2000	2000	12000
9th Jan	1000	6000	1000	2000	2000	12000
10th Jan	1000	6000	1000	2000	2000	12000
11th Jan	1000	6000	1000	2000	2000	12000
12th Jan	1000	6000	1000	2000	2000	12000
13th Jan	1000	6000	1000	2000	2000	12000
14th Jan	1000	6000	1000	2000	2000	12000
15th Jan	1000	6000	1000	2000	2000	12000
16th Jan	1000	6000	1000	2000	2000	12000
17th Jan	1000	6000	1000	2000	2000	12000
18th Jan	1000	6000	1000	2000	2000	12000
19th Jan	1000	6000	1000	2000	2000	12000

Go to Settings to activate Windows.

The screenshot displays the Building Energy Management System (BEMS) interface. The top navigation bar includes the system name "Building Energy Management System ST#00017 สาขา ภูเก็ต", the date "January 19 Wednesday", the time "00:39:36", and the "Lotus's" logo. On the left, there is a sidebar titled "Infrastructure Menu" with icons for Home, Chiller Plant, Air Handling Unit, Lighting, Digital Meter, Trend Log, and Energy. The main content area shows a table of energy consumption data with columns for Timestamp, Total, Chiller Plant, AHU, Lighting, Other, and Refrigeration. The data is grouped by date, with rows for Yesterday, Last Monday, Last Sunday, Last Saturday, Last Friday, Last Thursday, January 12, 2022, January 11, 2022, January 10, 2022, and January 9, 2022. Each row contains specific values for each category.

	Timestamp	Total	Chiller Plant	AHU	Lighting	Other	Refrigeration
Yesterday	11:59:45 PM	12,854.75 kWh	3,723.5 kWh	1,276.25 kWh	1,836.5 kWh	3,944 kWh	2,074.5 kWh
Last Monday	11:59:45 PM	12,754.5 kWh	3,601.13 kWh	1,209 kWh	1,820 kWh	4,091 kWh	2,034.5 kWh
Last Sunday	11:59:45 PM	12,717.38 kWh	3,775.25 kWh	1,206.25 kWh	1,827.5 kWh	3,854 kWh	2,053 kWh
Last Saturday	11:59:45 PM	12,606.63 kWh	3,605.88 kWh	1,213.75 kWh	1,828 kWh	3,918 kWh	2,041.5 kWh
Last Friday	11:59:45 PM	12,892 kWh	3,612.75 kWh	1,253.25 kWh	1,832.5 kWh	4,170 kWh	2,024.5 kWh
Last Thursday	11:59:45 PM	12,703 kWh	3,587.75 kWh	1,185.5 kWh	1,819.5 kWh	4,079 kWh	2,030.5 kWh
January 12, 2022	11:59:45 PM	12,961 kWh	3,709.75 kWh	1,281 kWh	1,826 kWh	4,097 kWh	2,046.5 kWh
January 11, 2022	11:59:45 PM	13,140.38 kWh	3,830 kWh	1,292.25 kWh	1,841 kWh	4,152 kWh	2,025 kWh
January 10, 2022	11:59:45 PM	12,684.13 kWh	3,739.25 kWh	1,236.25 kWh	1,858.5 kWh	4,319 kWh	2,032 kWh
January 9, 2022	11:59:45 PM	12,695.38 kWh	3,813.38 kWh	1,275.75 kWh	1,857 kWh	3,691 kWh	2,057 kWh

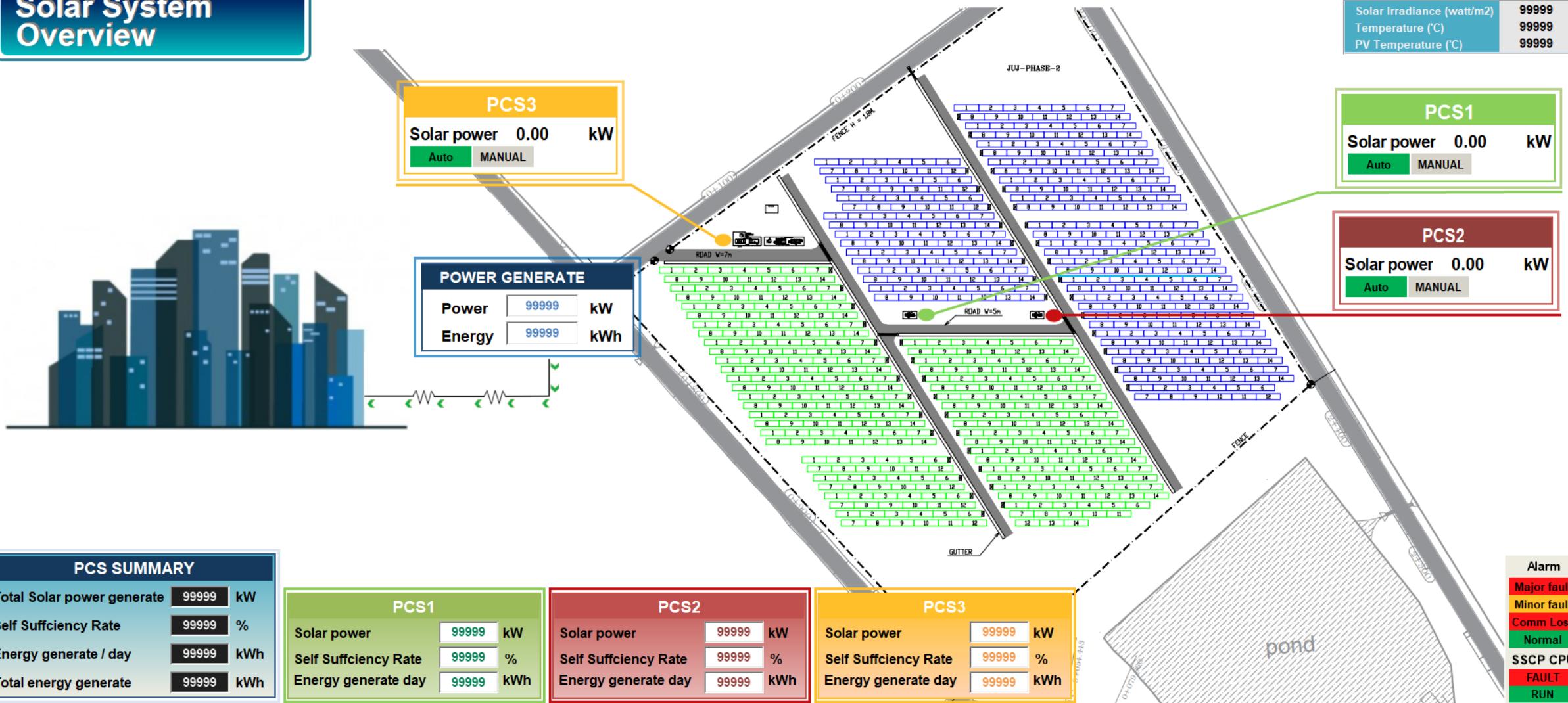
Indusoft Scada: Demo



InduSoft

 Fuji Electric
Innovating Energy Technology

Solar System Overview

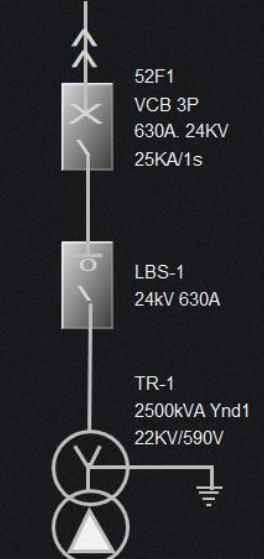


Activation Ti...	Tag Name	Message	ACK	BUZZER STOP
07/09/2020 20:19:04	AHU2_HUM...	Humidity Lower AHU2 Alarm		
07/09/2020 20:19:04	AHU1_LO_AL	Temp Lower FL.1 Alarm		
07/09/2020 20:19:04	AHU1_LO2...	Temp Lower FL.2 Alarm		

Single-line diagram Electrical System



PCS PCS OVERVIEW



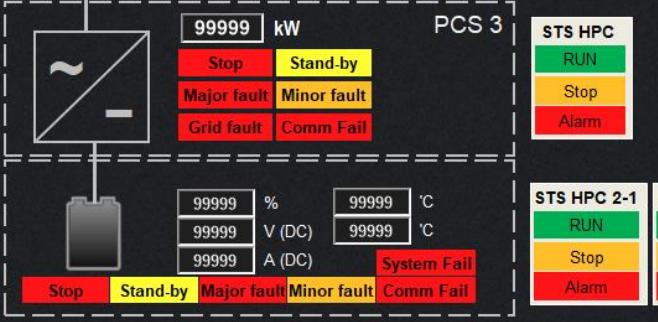
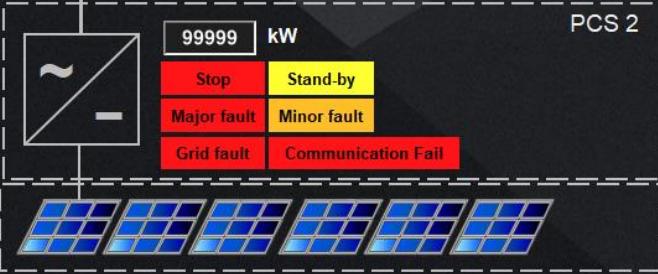
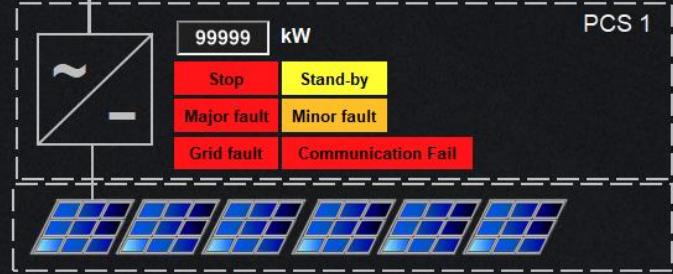
PCS 1	
DC voltage (solar cell output)	99999 V
Direct current (solar cell output)	99999 A
DC power	99999 kW
System voltage UV	99999 V
System voltage VW	99999 V
System voltage WU	99999 V
Output current U	99999 A
Output current V	99999 A
Output current W	99999 A
Active power	99999 kW
Reactive power	99999 kVAR
Apparent power	99999 kVA
Grid frequency	99999 Hz
Power factor	99999
Conversion efficiency	99999 %
Outside air temperature	99999 °C
Daily amount of electric energy	99999 kWh
Total amount of electric energy	99999 kWh



PCS 2	
DC voltage (solar cell output)	99999 V
Direct current (solar cell output)	99999 A
DC power	99999 kW
System voltage UV	99999 V
System voltage VW	99999 V
System voltage WU	99999 V
Output current U	99999 A
Output current V	99999 A
Output current W	99999 A
Active power	99999 kW
Reactive power	99999 kVAR
Apparent power	99999 kVA
Grid frequency	99999 Hz
Power factor	99999
Conversion efficiency	99999 %
Outside air temperature	99999 °C
Daily amount of electric energy	99999 kWh
Total amount of electric energy	99999 kWh



PCS 3	
DC voltage (solar cell output)	99999 V
Direct current (solar cell output)	99999 A
DC power	99999 kW
System voltage UV	99999 V
System voltage VW	99999 V
System voltage WU	99999 V
Output current U	99999 A
Output current V	99999 A
Output current W	99999 A
Active power	99999 kW
Reactive power	99999 kVAR
Apparent power	99999 kVA
Grid frequency	99999 Hz
Power factor	99999
Conversion efficiency	99999 %
Outside air temperature	99999 °C
Daily amount of electric energy	99999 kWh
Total amount of electric energy	99999 kWh



STS HPC	STS HPC 2-1	STS HPC 2-2
RUN	RUN	RUN
Stop	Stop	Stop
Alarm	Alarm	Alarm

Activation Ti...	Tag Name	Message
07/09/2020 20:19:04	AHU2_HUM...	Humidity Lower AHU2 Alarm
07/09/2020 20:19:04	AHU1_LO_AL	Temp Lower FL.1 Alarm
07/09/2020 20:19:04	AHU1_L02_...	Temp Lower FL.2 Alarm

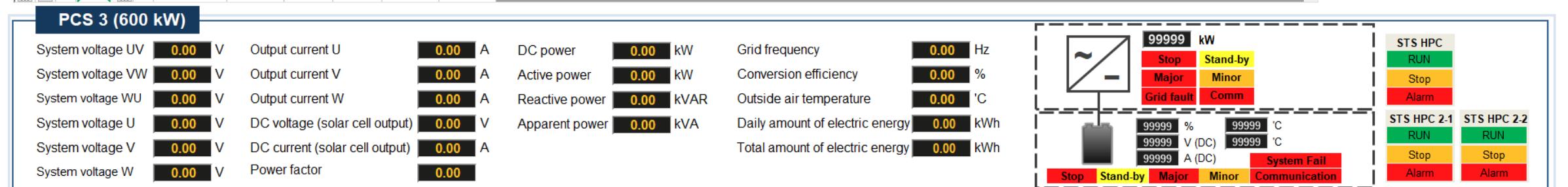
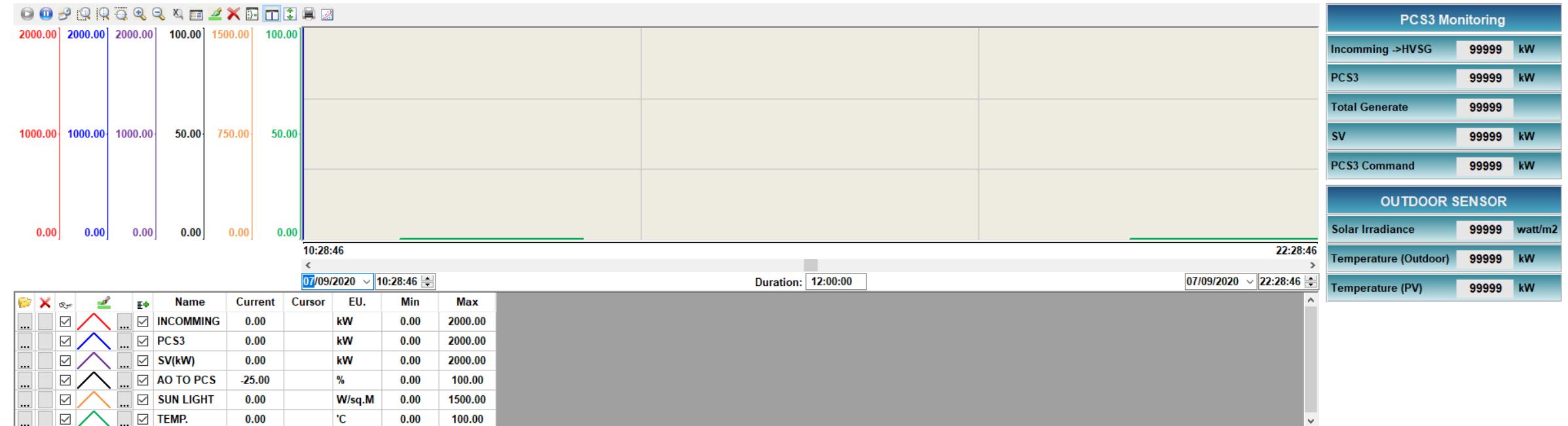
ACK

BUZZER STOP



PCS Monitoring PCS - 3

Total Load PCS1 PCS2 PCS3



NP1Y64U09P1

DO (x64)



BACK

ITEM	ADDRESS	DESCRIPTION	STATUS
0001	%QX6.0.0	VCB_CLOSING 52R	●
0002	%QX6.0.1	VCB_OPENING 52R	●
0003	%QX6.0.2	VCB_CLOSING 52F1	●
0004	%QX6.0.3	VCB_OPENING 52F1	●
0005	%QX6.0.4	VCB_CLOSING 52F2	●
0006	%QX6.0.5	VCB_OPENING 52F2	●
0007	%QX6.0.6	VCB_CLOSING 52F3	●
0008	%QX6.0.7	VCB_OPENING 52F3	●
0009	%QX6.0.8	(Not Use)	●
0010	%QX6.0.9	(Not Use)	●
0011	%QX6.0.10	(Not Use)	●
0012	%QX6.0.11	(Not Use)	●
0013	%QX6.0.12	(Not Use)	●
0014	%QX6.0.13	(Not Use)	●
0015	%QX6.0.14	(Not Use)	●
0016	%QX6.0.15	(Not Use)	●
0017	%QX6.1.0	PCS 1 COMMAND RUN/STOP	●
0018	%QX6.1.1	PCS 1 MAKER SETTING(1)	●
0019	%QX6.1.2	PCS 1 COMMUNICATION FAILED	●
0020	%QX6.1.3	PCS 1 STATUS ON/OFF	●
0021	%QX6.1.4	PCS 1 MAJOR FAULT	●
0022	%QX6.1.5	PCS 1 MINOR FAULT	●

ITEM	ADDRESS	DESCRIPTION	STATUS
0023	%QX6.1.6	(Not Use)	●
0024	%QX6.1.7	(Not Use)	●
0025	%QX6.1.8	PCS 2 COMMAND RUN/STOP	●
0026	%QX6.1.9	PCS 2 MAKER SETTING(1)	●
0027	%QX6.1.10	PCS 2 COMMUNICATION FAILED	●
0028	%QX6.1.11	PCS 2 STATUS ON/OFF	●
0029	%QX6.1.12	PCS 2 MAJOR FAULT	●
0030	%QX6.1.13	PCS 2 MINOR FAULT	●
0031	%QX6.1.14	(Not Use)	●
0032	%QX6.1.15	(Not Use)	●
0033	%QX6.2.0	PCS 3 COMMAND RUN/STOP	●
0034	%QX6.2.1	PCS 3 MAKER SETTING(1)	●
0035	%QX6.2.2	PCS 3 COMMUNICATION FAILED	●
0036	%QX6.2.3	PCS 3 STATUS ON/OFF	●
0037	%QX6.2.4	PCS 3 MAJOR FAULT	●
0038	%QX6.2.5	PCS 3 MINOR FAULT	●
0039	%QX6.2.6	(Not Use)	●
0040	%QX6.2.7	(Not Use)	●
0041	%QX6.2.8	52R TRIP	●
0042	%QX6.2.9	52F1 TRIP	●
0043	%QX6.2.10	52F2 TRIP	●
0044	%QX6.2.11	52F3 TRIP	●

ITEM	ADDRESS	DESCRIPTION	STATUS
0045	%QX6.2.12	SPARE(1)	●
0046	%QX6.2.13	SPARE(2)	●
0047	%QX6.2.14	SPARE(3)	●
0048	%QX6.2.15	SPARE(4)	●
0049	%QX6.3.0	(Not Use)	●
0050	%QX6.3.1	(Not Use)	●
0051	%QX6.3.2	(Not Use)	●
0052	%QX6.3.3	(Not Use)	●
0053	%QX6.3.4	(Not Use)	●
0054	%QX6.3.5	(Not Use)	●
0055	%QX6.3.6	(Not Use)	●
0056	%QX6.3.7	(Not Use)	●
0057	%QX6.3.8	(Not Use)	●
0058	%QX6.3.9	(Not Use)	●
0059	%QX6.3.10	(Not Use)	●
0060	%QX6.3.11	(Not Use)	●
0061	%QX6.3.12	(Not Use)	●
0062	%QX6.3.13	(Not Use)	●
0063	%QX6.3.14	(Not Use)	●
0064	%QX6.3.15	(Not Use)	●

Activation Ti...	Tag Name	Message
07/09/2020 20:19:04	AHU2_HUM...	Humidity Lower AHU2 Alarm
07/09/2020 20:19:04	AHU1_LO_AL...	Temp Lower FL.1 Alarm
07/09/2020 20:19:04	AHU1_LO2_...	Temp Lower FL.2 Alarm

ACK



BUZZER STOP