

ecoSYS

Site Supervisor

Setup & Configuration II

Education You Can Build On



Presented By:

(Instructor Name)



Housekeeping

- Smile Card
- No Smoking
- Class Length
- Portable Phones and Beepers
- Rest Rooms
- Fire Safety



Course Reference Materials

- Participant Manual
- *ecoSYS Site Supervisor Controller User Guide*
- *ecoSYS Site Supervisor Quick Setup Guide*

Course Agenda

- Backup, Cleanout, and Restore
- Upload a Description File
- View Store Status
- View/Change Com Ports
- View/Change Internet Values
- View Licensing
- View/Change Localization
- View/Change System Values



ecoSYS Site Supervisor Backup, Cleanout, & Restore

Education You Can Build On



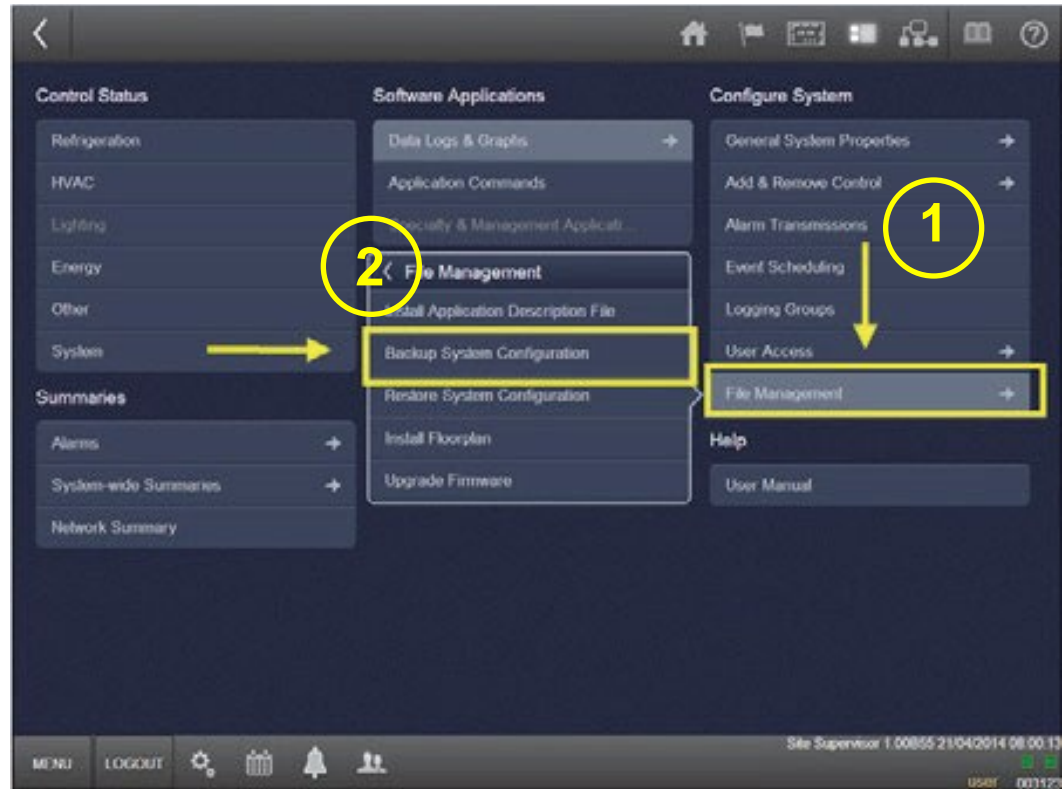
Site Supervisor Backup

- Login to Site Supervisor
- Click on **Site Map**



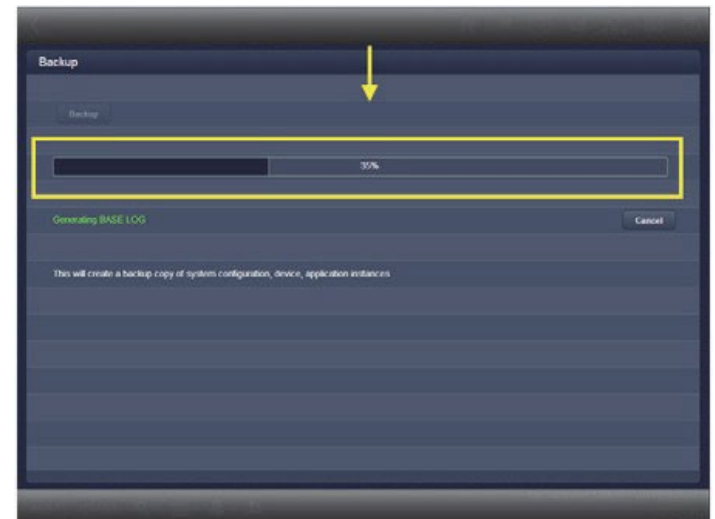
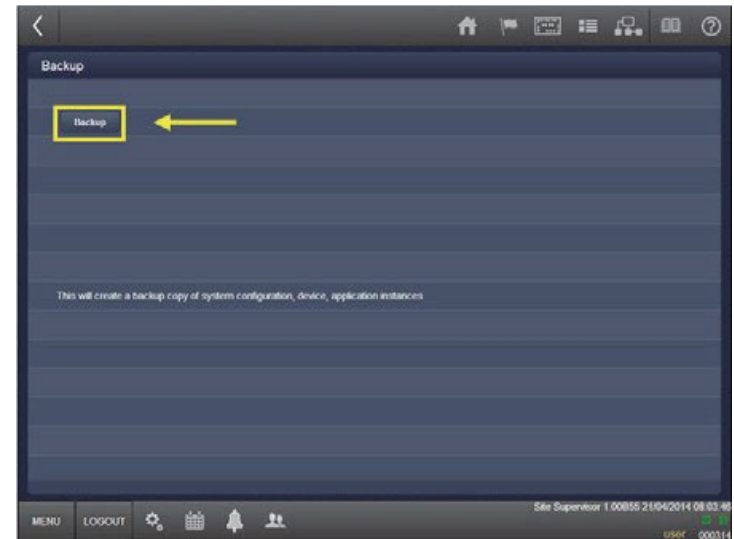
Site Supervisor Backup

- Select **File Management**, then **Backup System Configuration**



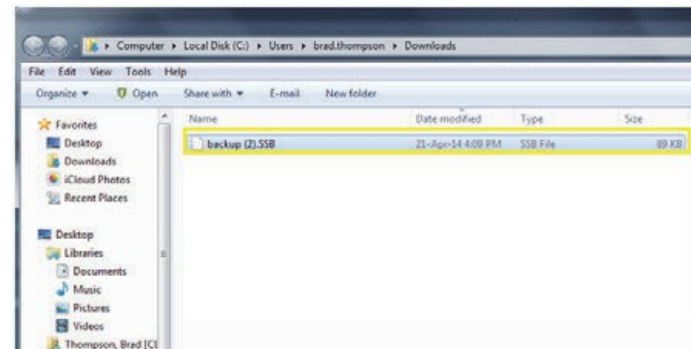
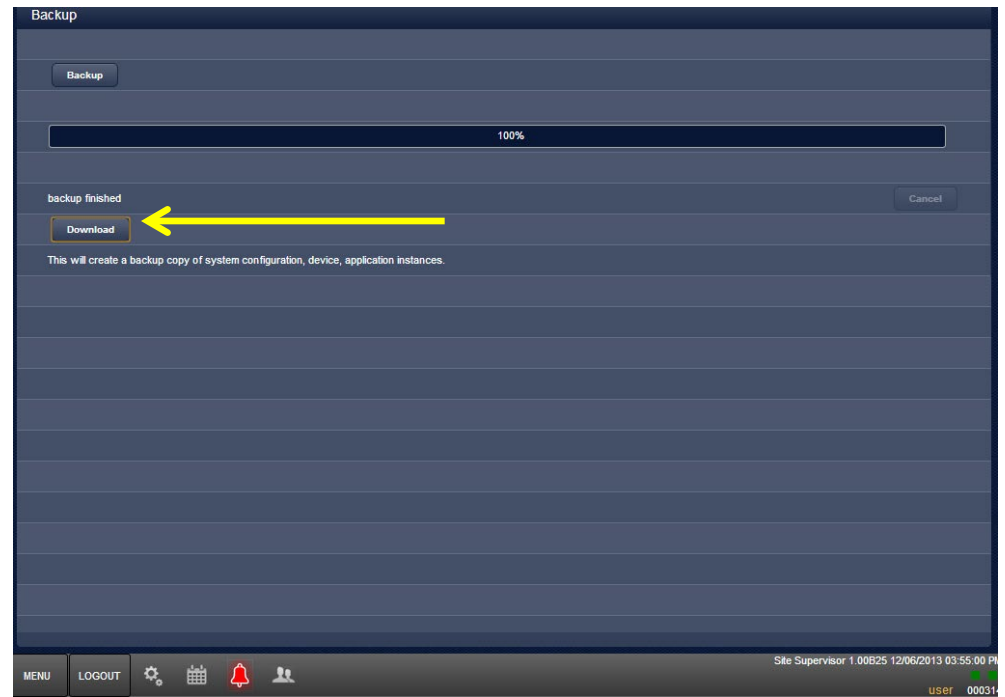
Site Supervisor Backup

- Select the **Backup** button
- System will start to backup files – progress is displayed



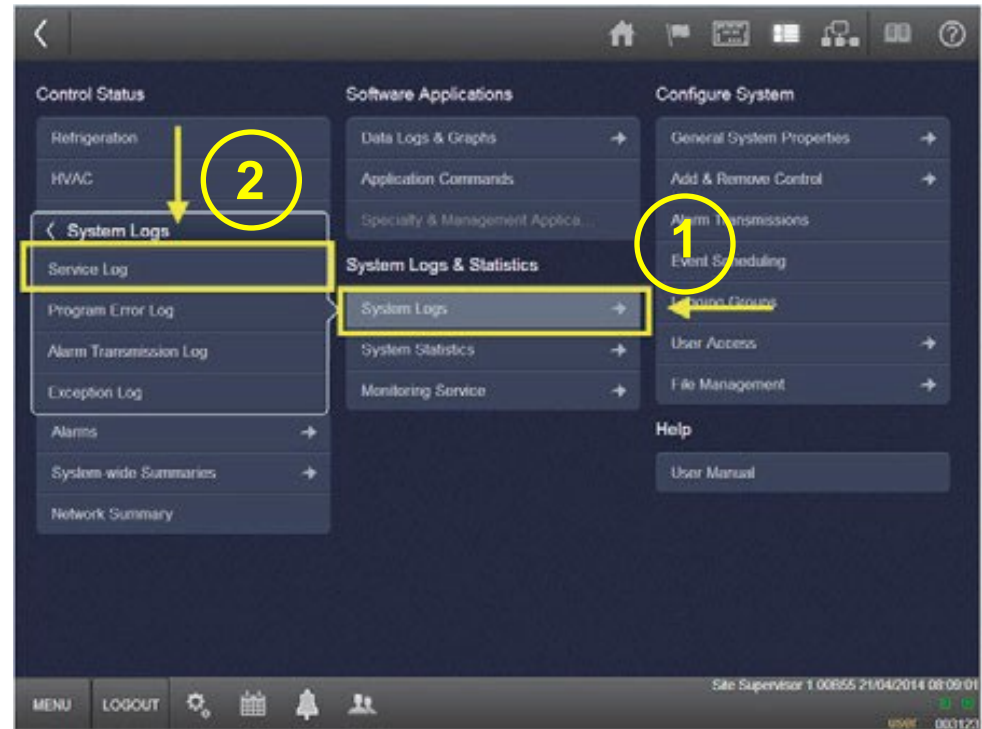
Site Supervisor Backup

- When the backup finishes, click on the **Download** button
- Select the location for the backup file



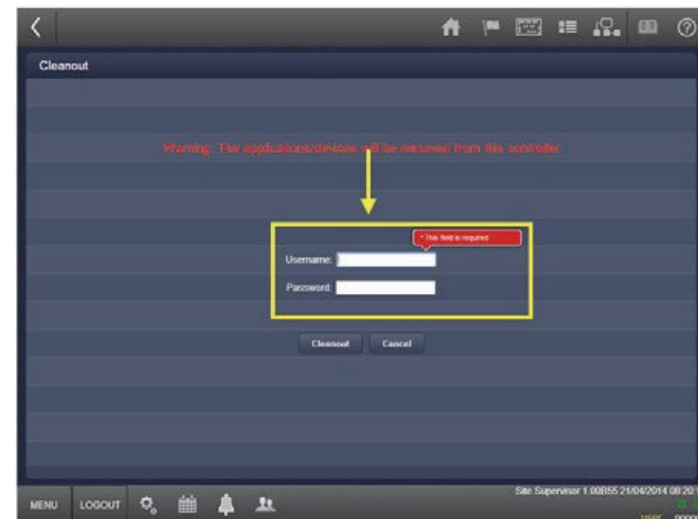
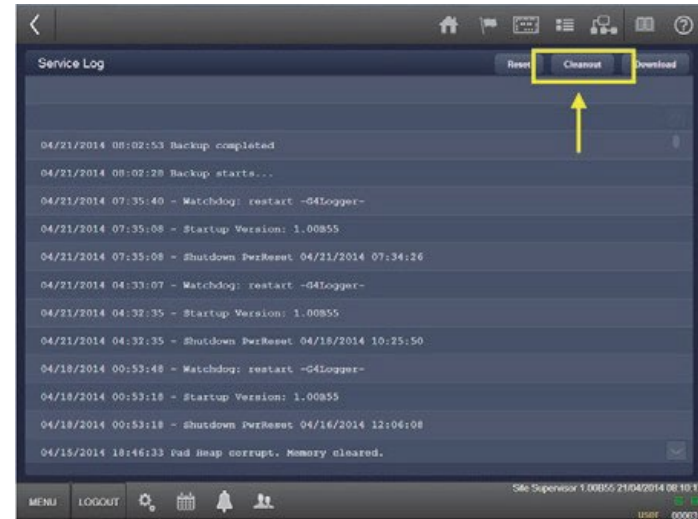
Site Supervisor Cleanout

- Login to Site Supervisor, go to **Site Map**
- Select System Logs, then choose **System Log**



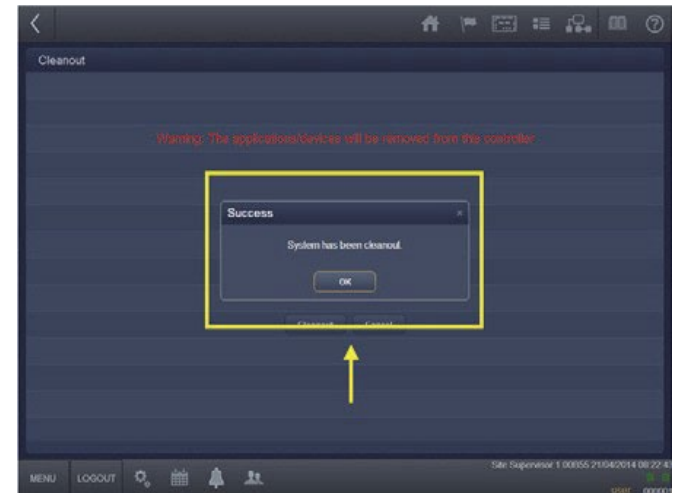
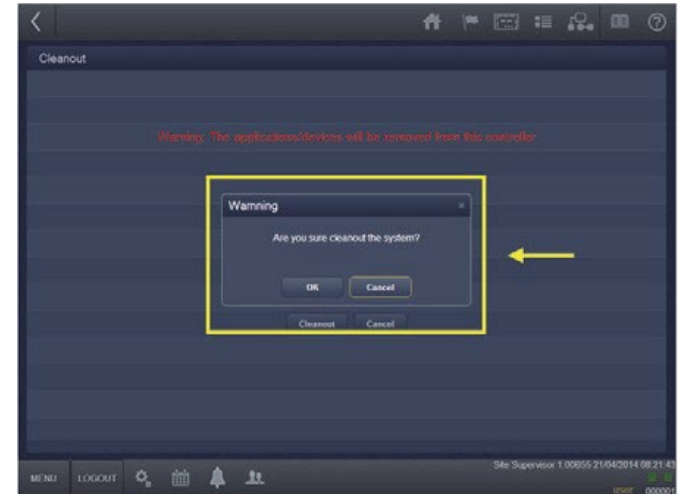
Site Supervisor Cleanout

- Click the **Cleanout** button
- Enter username and password, then select **Cleanout**



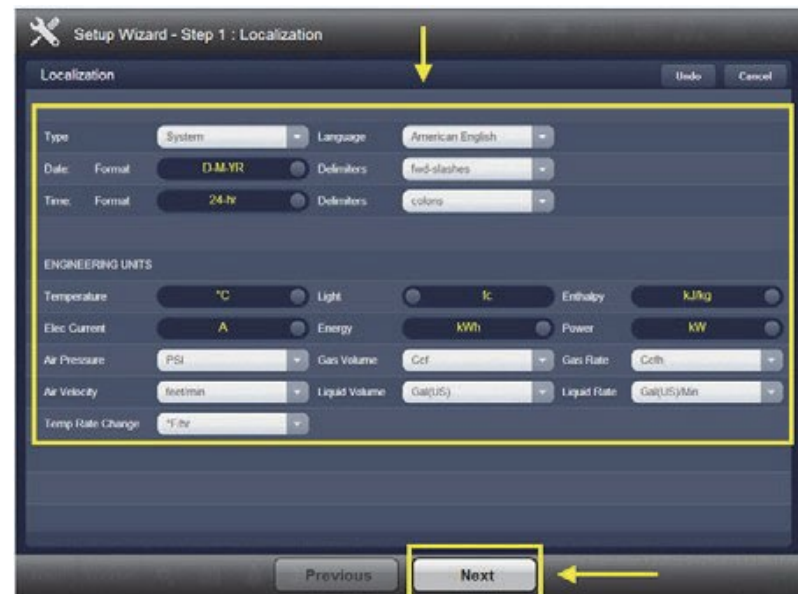
Site Supervisor Cleanout

- Click **OK** to confirm
- When cleanout is complete, select **OK** to continue



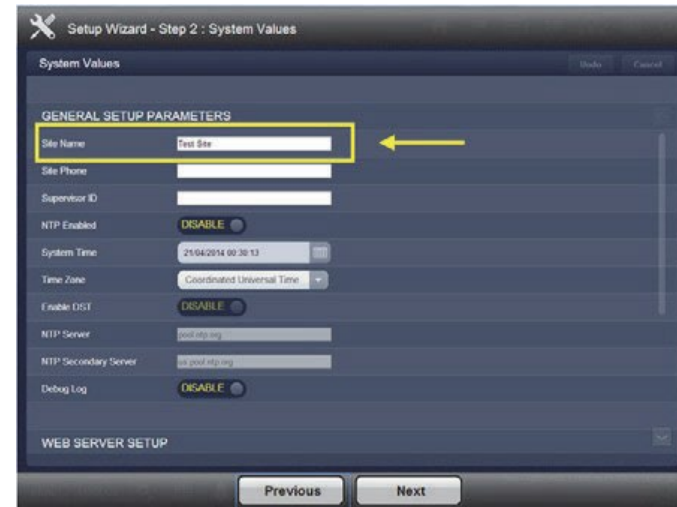
Site Supervisor Restore

- On the cleanout screen, enter your username and password.
- Enter Localization settings, then select **Next**.



Site Supervisor Restore

- On System Values screen, enter the Site Name.
- On Internet Values screen, click **Complete**.



Setup Wizard - Step 2 : System Values

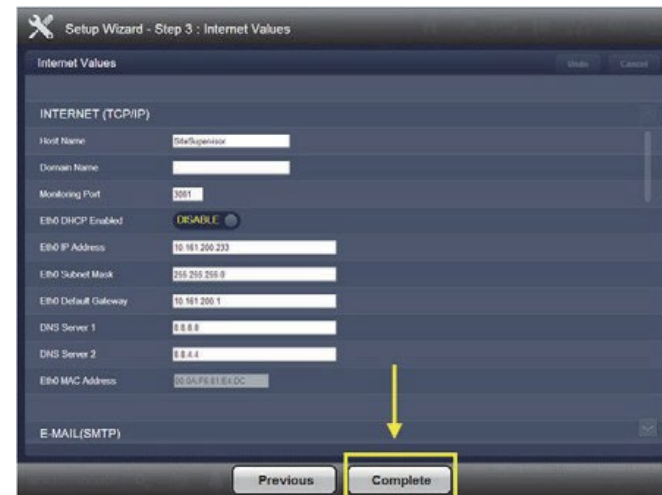
System Values

GENERAL SETUP PARAMETERS

Site Name	Test Site
Site Phone	
Supervisor ID	
NTP Enabled	DISABLE
System Time	21/04/2014 00:38:13
Time Zone	Coordinated Universal Time
Enable DST	DISABLE
NTP Server	pool.ntp.org
NTP Secondary Server	uk.pool.ntp.org
Debug Log	DISABLE

WEB SERVER SETUP

Previous Next



Setup Wizard - Step 3 : Internet Values

Internet Values

INTERNET (TCP/IP)

Host Name	StarSupervisor
Domain Name	
Monitoring Port	3081
Ethernet DHCP Enabled	DISABLE
Ethernet IP Address	10.161.200.223
Ethernet Subnet Mask	255.255.255.0
Ethernet Default Gateway	10.161.200.1
DNS Server 1	8.8.8.8
DNS Server 2	8.8.4.4
Ethernet MAC Address	00:5A:F8:81:81:DC

E-MAIL(SMTP)

Previous Complete

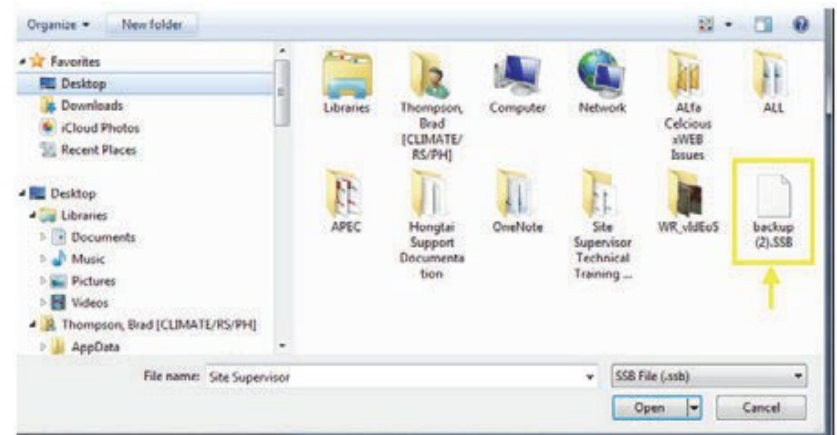
Site Supervisor Restore

- From the Home screen, go to **Site Map**.
- Go to File Management, then choose **Restore System Configuration**.



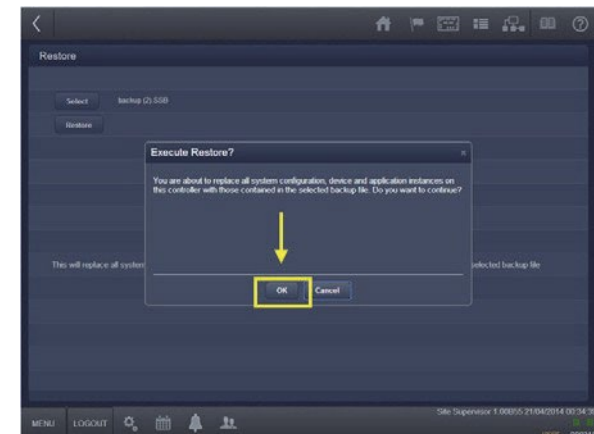
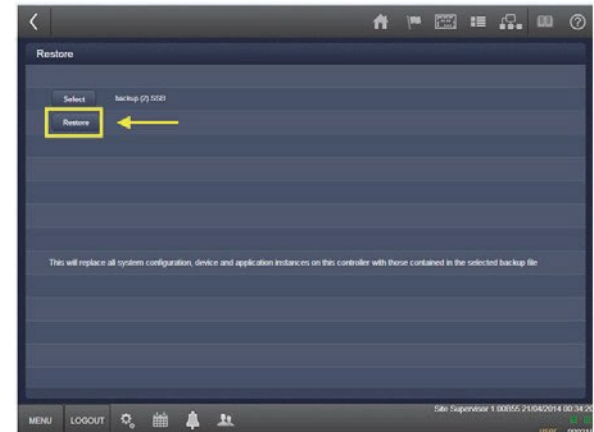
Site Supervisor Restore

- Click **Select**.
- Choose the File to be Restored.



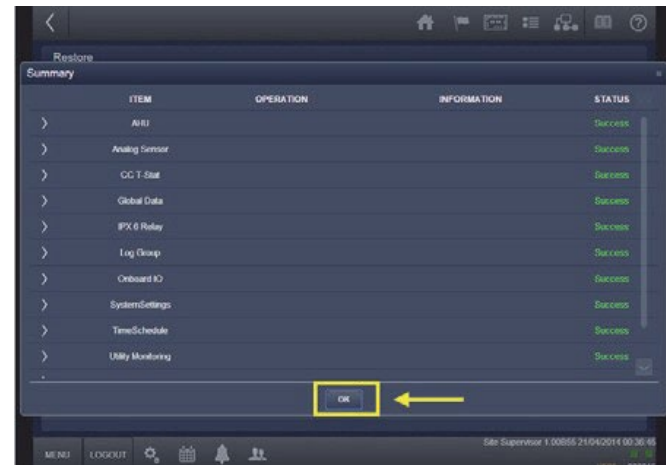
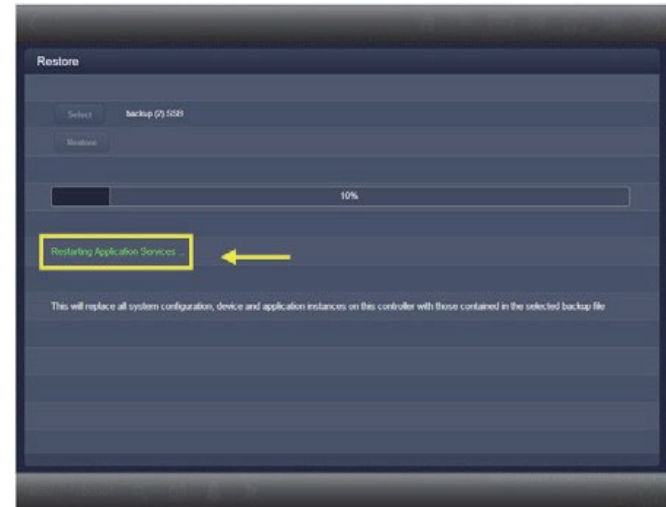
Site Supervisor Restore

- Select the **Restore** button.
- Confirm the Restoration by clicking on **OK**.



Site Supervisor Restore

- Wait for the restoration – progress displayed.
- On completion, a summary appears. Click **OK**.
- Select **Home** to exit.





ecoSYS Site Supervisor Upload a Description File

Education You Can Build On



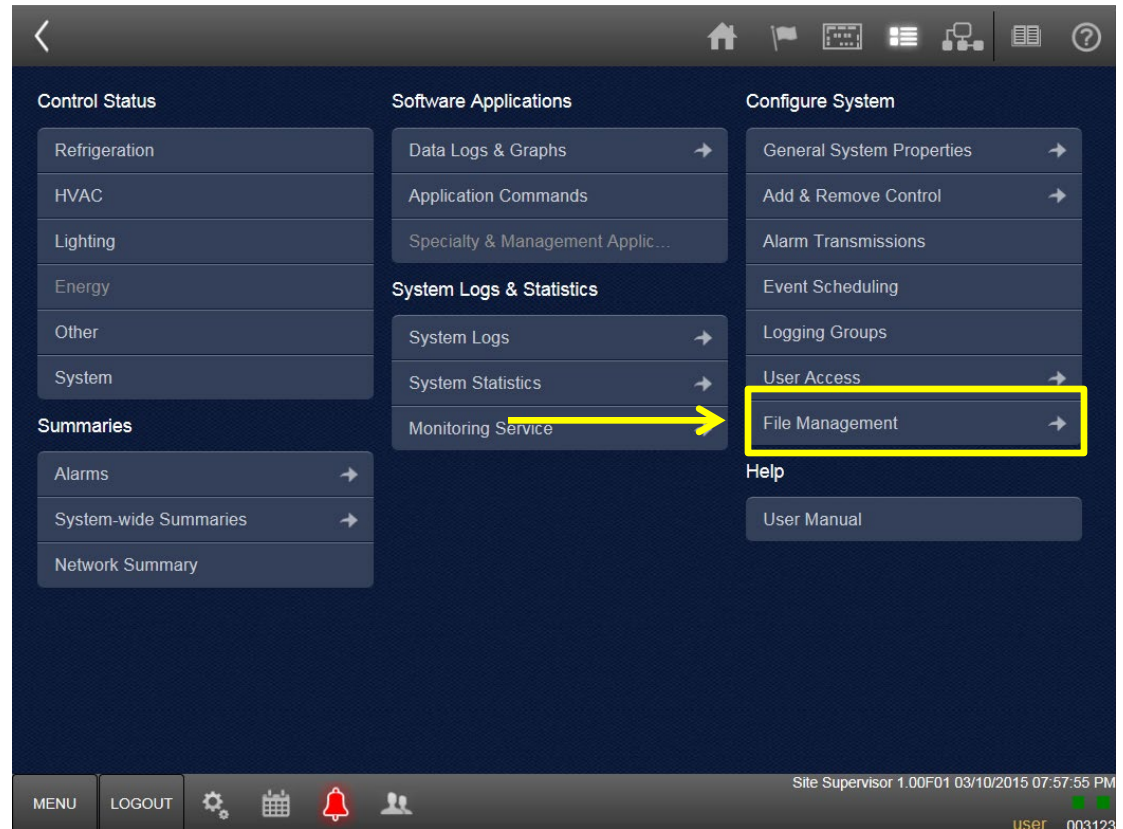
Upload a Description File

- To begin, log into Site Supervisor, then go to the Site Map.



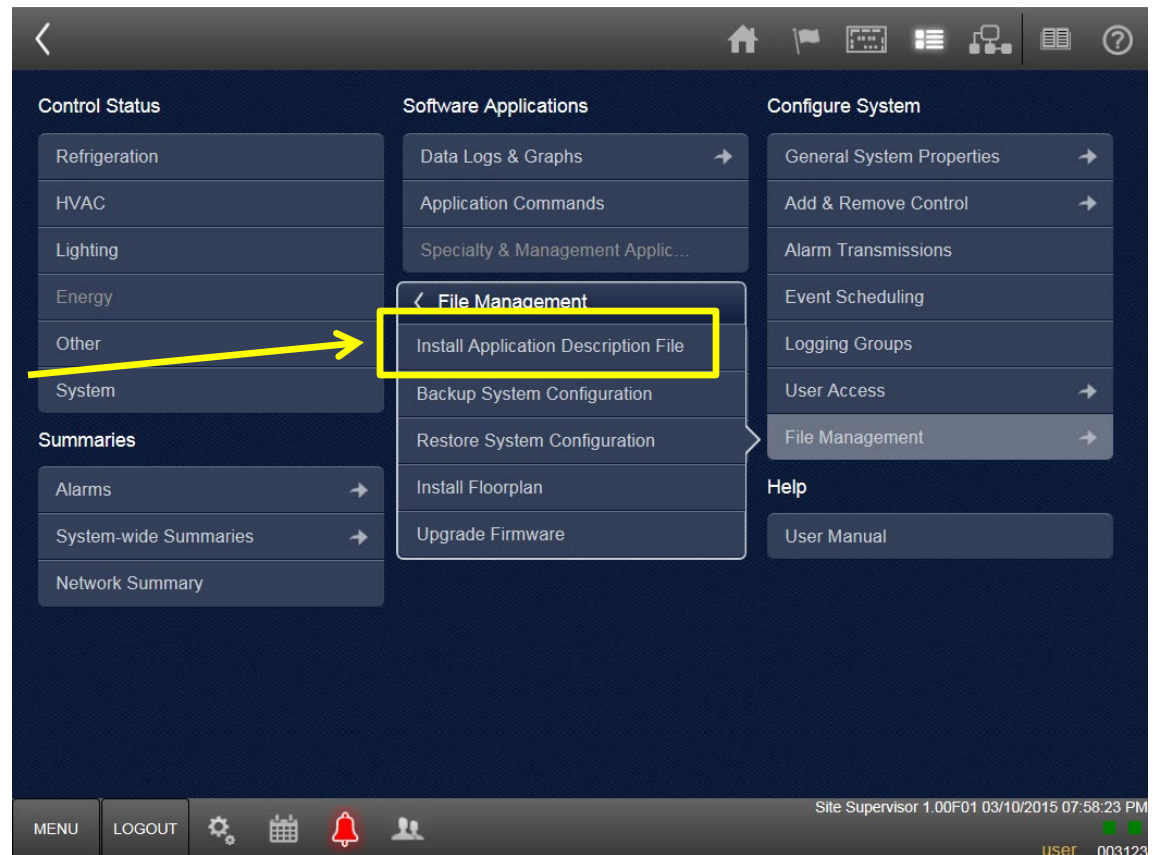
Upload a Description File

- On the Site Map screen, choose **File Management**.



Upload a Description File

- Next, click on **Install Application Description File.**



Upload a Description File

- Choose the **Select** button.



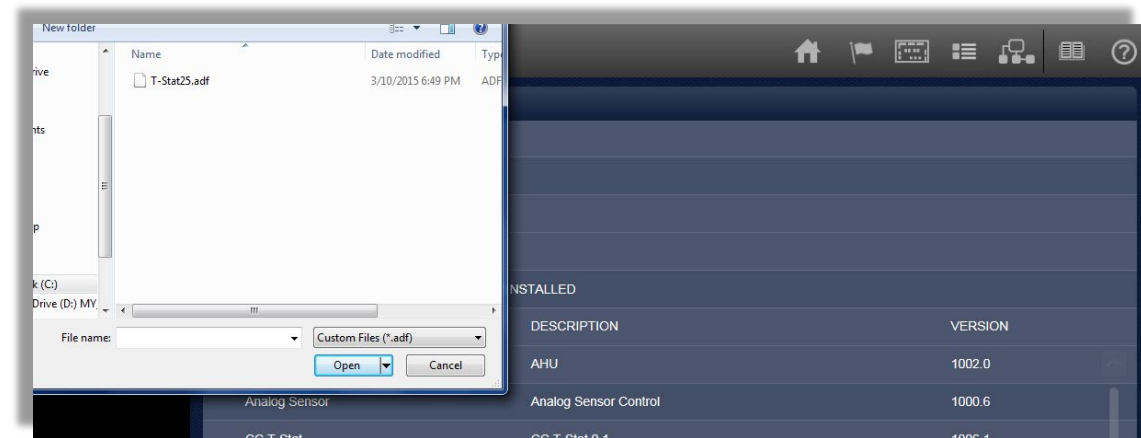
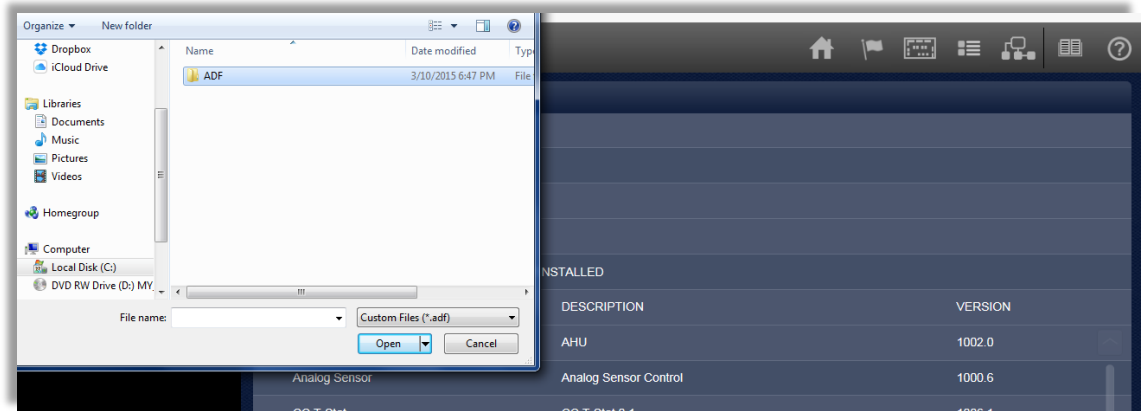
The screenshot shows a mobile application interface for installing application description files. The title bar reads "Install Application Description File". Below the title bar, there is a "Select" button highlighted with a yellow box and an arrow pointing to it. Below the "Select" button is an "Install" button. The main content area is titled "APPLICATION DESCRIPTION FILES ALREADY INSTALLED" and contains a table with the following data:

NAME OF APPLICATION	DESCRIPTION	VERSION
AHU	AHU	1002.0
Analog Sensor	Analog Sensor Control	1000.6
CC T-Stat	CC T-Stat 0.1	1006.1
Demand Control	Demand Control	1000.1
Digital Sensor	Digital Sensor Control	1002.1
Energy Meter	Emerson Energy Meter 0.2	1005.0
Global Data	Global Data	1000.6
IPX 15 Relay	IPX 15 Relay	1003.2
IPX 25 Relay	IPX 25 Relay	1003.2

The bottom navigation bar includes "MENU", "LOGOUT", and several icons (gear, calendar, bell, and people). The status bar at the bottom right shows "Site Supervisor 1.00F01 03/10/2015 07:59:25 PM" and "user 000059".

Upload a Description File

- Locate the description file (*.adf) in the browse window.
- Click the **Open** button.



Upload a Description File

- Click the **Install** button.



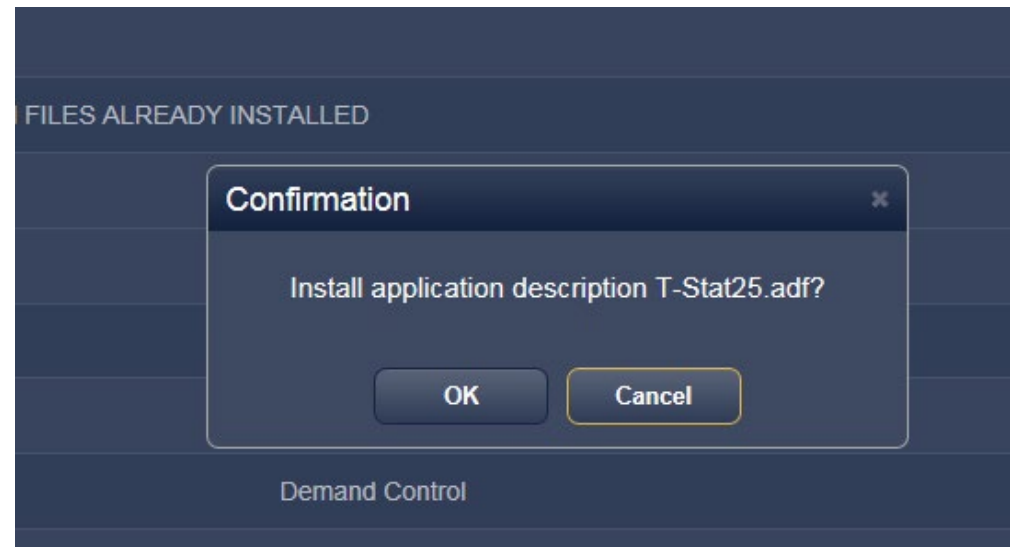
The screenshot shows a mobile application interface for installing application description files. At the top, there is a navigation bar with a back arrow, home icon, flag, and other utility icons. Below the navigation bar, the title 'Install Application Description File' is displayed. A 'Select' button is followed by the text 'T-Stat25.adf'. Below this, the 'Install' button is highlighted with a yellow box, and a yellow arrow points to it from the right. Below the 'Install' button, the text 'APPLICATION DESCRIPTION FILES ALREADY INSTALLED' is displayed. Below this text is a table with three columns: 'NAME OF APPLICATION', 'DESCRIPTION', and 'VERSION'. The table contains the following data:

NAME OF APPLICATION	DESCRIPTION	VERSION
AHU	AHU	1002.0
Analog Sensor	Analog Sensor Control	1000.6
CC T-Stat	CC T-Stat 0.1	1006.1
Demand Control	Demand Control	1000.1
Digital Sensor	Digital Sensor Control	1002.1
Energy Meter	Emerson Energy Meter 0.2	1005.0
Global Data	Global Data	1000.6
IPX 15 Relay	IPX 15 Relay	1003.2
IPX 25 Relay	IPX 25 Relay	1003.2

At the bottom of the screen, there is a navigation bar with 'MENU', 'LOGOUT', and several utility icons (gear, calendar, bell, people). The status bar at the very bottom shows 'Site Supervisor 1.00F01 03/10/2015 08:03:26 PM' and 'user 000056'.

Upload a Description File

- In the confirmation window, choose **OK**.
- The file will now be uploaded.





ecoSYS Site Supervisor View Store Status

Education You Can Build On



View Store Status

- One way to see summary data is to choose the **Site Summary** icon.

The screenshot displays a monitoring dashboard with the following sections:

- SUMMARY**

5	Total Alarms
2	Critical Alarms
2	Non-Critical Alarms
2	Refrigeration Alarms
2	HVAC Alarms
0	Lighting Alarms
1	System Alarms
- COMMUNICATION STATUS**

Modbus-1 ■
- ALARMS BREAKDOWN**

A pie chart showing the distribution of alarm types: Critical (40%), Non-Critical (40%), and Notice (20%).

Type	Percentage
Critical	40%
Non-Critical	40%
Notice	20%
- ALARMS**

Date/Time	Type
11/11/2014 06:46:11 PM	Notice GLOBAL DATA:HVAC EMER OV HVAC Shutdown
11/11/2014 06:45:07 PM	Non-Critical GLOBAL DATA:REFR PHASE LOSS REFR Phase Loss
11/11/2014 06:44:04 PM	Non-Critical GLOBAL DATA:HVAC PHASE LOSS HVAC Phase Loss
11/11/2014 06:44:04 PM	Critical GLOBAL DATA:REFR EMER OV REFR Shutdown
11/11/2014 01:16:06 PM	Critical HVAC-Lab Office.Network Device Offline Network Device Offline
- Bottom Navigation**

Alarms Breakdown (mini pie chart), HVAC, Lighting, Refrigeration.
- Footer**

MENU LOGOUT [Settings] [Calendar] [Notifications] [Users] Site Supervisor 1.00F01 03/10/2015 08:06:44 PM user 000017

View Store Status

- The Site Summary screen gives you a high level view of all applications.

The screenshot displays the 'Site Summary' interface for a facility. It is organized into several sections, each with a table of equipment and their current status. The top navigation bar includes a home icon, a flag, a calendar, a menu, a user profile, and a help icon. The 'Site' dropdown menu is set to 'Site'.

Refrigeration

Indigo Ice Machine 0.0

ALARM	NAME
■	Ice Machine 1
■	Indigo_02

HVAC

ALARM	NAME	ACT CTRL TEMP	ACTIVE SETPT	OCC STATE	FAN STATUS	AHU STATUS
■	AHU_01	NONE	NONE	UNOCCUPIED	OFF	No Ctrl
■	RTU #1	76.00	70.00	OCCUPIED	ON	Cool
■	RTU #2	78.40	70.00	OCCUPIED	ON	Cool

CC T-Stat 0.1

ALARM	NAME	CONTROL TEMP	ACTIVE SP	OCCUPANCY	FAN
■	HVAC-Lab Office	NONE	NONE	OCCUPIED	NONE

Lighting

Time Schedules

ALARM	NAME	SCHED OUTPUT	OUTPUT
■	Dining Hours	ON	ON
■	Foyer Lights	ON	ON
■	Reception Lights	ON	ON

Site Supervisor 1.00F01 03/10/2015 08:07:43 PM
user 001131

View Store Status

- Clicking on one of the applications will take you to the details for that application.

HVAC

AHU						
ALARM	NAME	ACT CTRL TEMP	ACTIVE SETPT	OCC STATE	FAN STATUS	AHU STATUS
■	AHU_01	NONE	NONE	UNOCCUPIED	OFF	No Ctrl
■	RTU #1	76.00	70.00	OCCUPIED	ON	Cool
■	RTU #1	78.40	70.00	OCCUPIED	ON	Cool

CC Stat 0.1

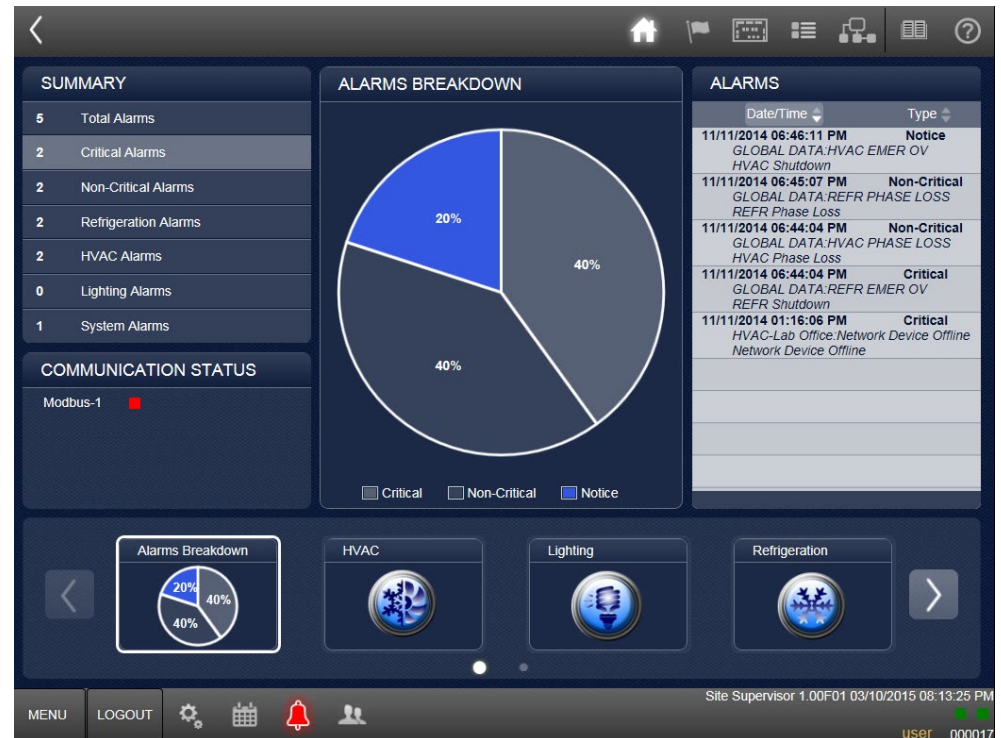
ALARM	NAME	CONTROL TEMP	ACTIVE SP	OCCUPANCY	FAN
■	HVAC-Lab Office	NONE	NONE	OCCUPIED	NONE

The screenshot shows the detailed view for RTU #1. The interface is divided into several sections:

- GENERAL:** App Name: RTU #1
- INPUTS:** Space Temp 1: 76.00, Space Temp 2: NONE, Return Temp: NONE, Supply Temp: NONE, Mixed Air Temp: NONE
- EMERSON:** Large logo in the center.
- OUTPUTS:** Space Temp Out: 76.00, Heat Stage 1: OFF, Heat Stage 2: OFF, Heat Stage 3: NONE, Heat Stage 4: NONE, Cool Stage 1: ON, Cool Stage 2: ON, Cool Stage 3: NONE, Cool Stage 4: NONE, Analog Damper: 10.00, Digital Damper: OFF, Act Ctrl Temp: 76.00
- Navigation:** Buttons for AHU_01, HVAC-Lab Office, RTU #1 (selected), and RTU #2.
- Footer:** MENU, LOGOUT, and system information: Site Supervisor 1.00F01 03/10/2015 08:09:03 PM, user 000109.

View Store Status

- Another place to find status summary information is the Summary panel on the Home screen.



View Store Status

- Selecting an alarm category takes you to details.



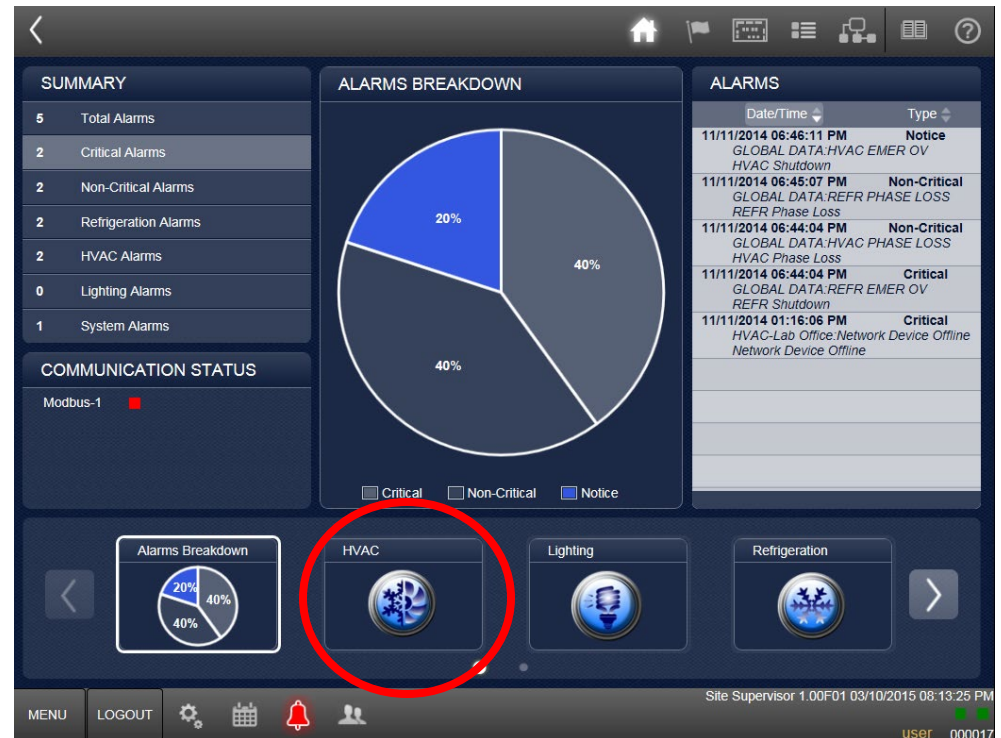
Active Alarms							
ID	Acknowledge Status	Type	Originator	Description	Time Occurred	Age	
Critical Alarms - 2 Item(s)							
49	UNACK	Critical	GLOBAL DATA	REFR Shutdown	11/11/2014 06:44:04 PM	119d 1h 29m	
48	UNACK	Critical	HVAC-Lab Office	Network Device Offline	11/11/2014 01:16:06 PM	119d 6h 57m	
Non-Critical Alarms - 2 Item(s)							
52	UNACK	Non-Critical	GLOBAL DATA	REFR Phase Loss	11/11/2014 06:45:07 PM	119d 1h 28m	
50	UNACK	Non-Critical	GLOBAL DATA	HVAC Phase Loss	11/11/2014 06:44:04 PM	119d 1h 29m	
Notices - 1 Item(s)							
53	UNACK	Notice	GLOBAL DATA	HVAC Shutdown	11/11/2014 06:46:11 PM	119d 1h 27m	

Total Count: 5

Site Supervisor 1.00F01 03/10/2015 08:13:58 PM
MENU LOGOUT USER 00073

View Store Status

- You can also go to an application summary by choosing the device type from the Home screen.



View Store Status

- The center panel now shows us summary information for the device applications.
- Click on an application for more details.

The screenshot displays a control room dashboard with a dark blue theme. The top navigation bar includes a home icon, a flag, a grid icon, a list icon, a network icon, a document icon, and a help icon. The main content area is divided into three columns: SUMMARY, HVAC, and ALARMS.

SUMMARY

5	Total Alarms
2	Critical Alarms
2	Non-Critical Alarms
2	Refrigeration Alarms
2	HVAC Alarms
0	Lighting Alarms
1	System Alarms

COMMUNICATION STATUS

Modbus-1 ■

HVAC

AHU		
NAME	ACT CTRL TEMP	ACTIVE SETPT
AHU_01	NONE	NONE
RTU #1	76.00	70.00
RTU #2	76.40	70.00

ALARMS

Date/Time	Type
11/11/2014 06:46:11 PM	Notice
GLOBAL DATA:HVAC EMER OV HVAC Shutdown	
11/11/2014 06:44:04 PM	Non-Critical
GLOBAL DATA:HVAC PHASE LOSS HVAC Phase Loss	

Alarms Breakdown

HVAC

Lighting

Refrigeration

Site Supervisor 1.00F01 03/10/2015 08:15:15 PM
user 000017

View Store Status

The screenshot displays a mobile application interface for an Emerson RTU #2. The interface is divided into several sections:

- GENERAL:** App Name: RTU #2
- INPUTS:**
 - Space Temp 1: 78.40
 - Space Temp 2: NONE
 - Return Temp: NONE
 - Supply Temp: NONE
 - Mixed Air Temp: NONE
- OUTPUTS:**
 - Space Temp Out: 78.40
 - Heat Stage 1: OFF
 - Heat Stage 2: OFF
 - Heat Stage 3: NONE
 - Heat Stage 4: NONE
 - Cool Stage 1: ON
 - Cool Stage 2: ON
 - Cool Stage 3: NONE
 - Cool Stage 4: NONE
 - Analog Damper: 10.00
 - Digital Damper: OFF
 - Act Ctrl Temp: 78.40
- Navigation:** A bottom bar shows four units: AHU_01, HVAC-Lab Office, RTU #1, and RTU #2. RTU #2 is currently selected.
- Footer:** Includes MENU, LOGOUT, settings, calendar, notifications, and user icons. The status bar at the bottom right shows "Site Supervisor 1.00F01 03/10/2015 08:15:50 PM" and "user 000109".

View Store Status

- You can also use the **Site Map** to get to site status information.



View Store Status

- You can also use the **Site Map** to get to site status information.

The screenshot displays a dashboard with the following sections:

- SUMMARY**

5	Total Alarms
2	Critical Alarms
2	Non-Critical Alarms
2	Refrigeration Alarms
2	HVAC Alarms
0	Lighting Alarms
1	System Alarms
- ALARMS BREAKDOWN**

A pie chart showing the distribution of alarm types: Critical (40%), Non-Critical (40%), and Notice (20%).

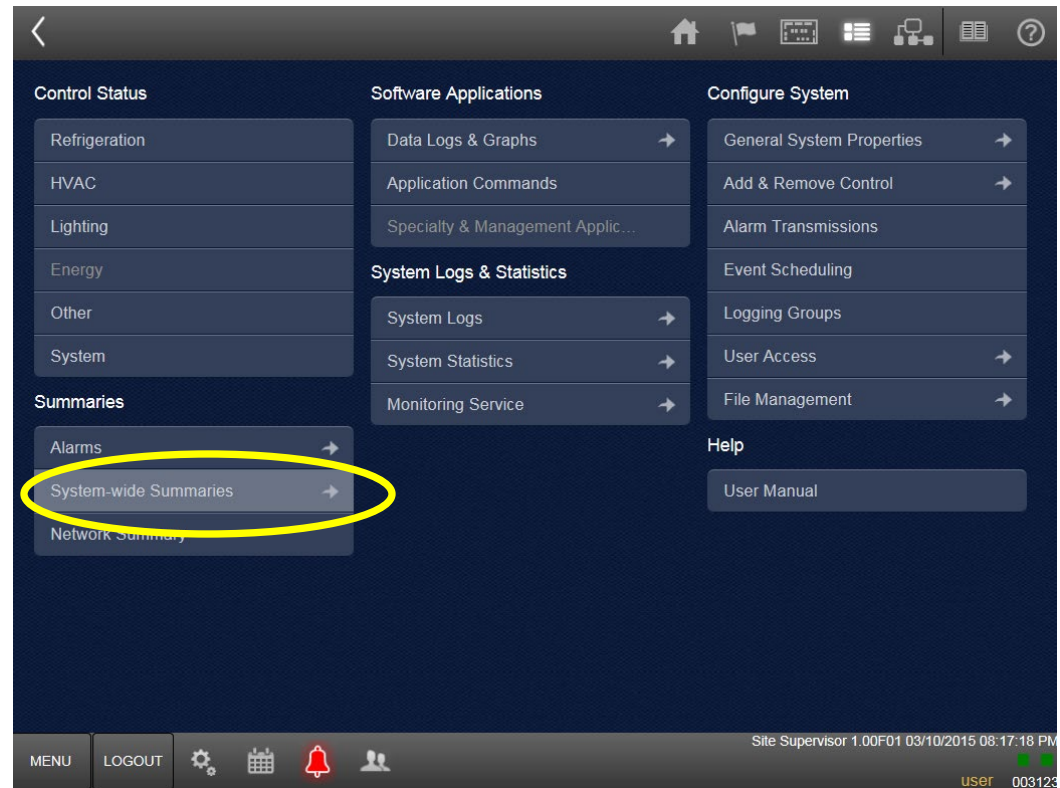
Category	Percentage
Critical	40%
Non-Critical	40%
Notice	20%
- ALARMS**

Date/Time	Type
11/11/2014 06:46:11 PM	Notice GLOBAL DATA:HVAC EMER OV HVAC Shutdown
11/11/2014 06:45:07 PM	Non-Critical GLOBAL DATA:REFR PHASE LOSS REFR Phase Loss
11/11/2014 06:44:04 PM	Non-Critical GLOBAL DATA:HVAC PHASE LOSS HVAC Phase Loss
11/11/2014 06:44:04 PM	Critical GLOBAL DATA:REFR EMER OV REFR Shutdown
11/11/2014 01:16:06 PM	Critical HVAC-Lab Office:Network Device Offline Network Device Offline
- COMMUNICATION STATUS**

Modbus-1 ■
- Bottom Navigation:** Alarms Breakdown (mini pie chart), HVAC, Lighting, Refrigeration.
- Footer:** MENU, LOGOUT, settings, calendar, notifications, users, Site Supervisor 1.00F01 03/10/2015 08:16:36 PM, user 000017

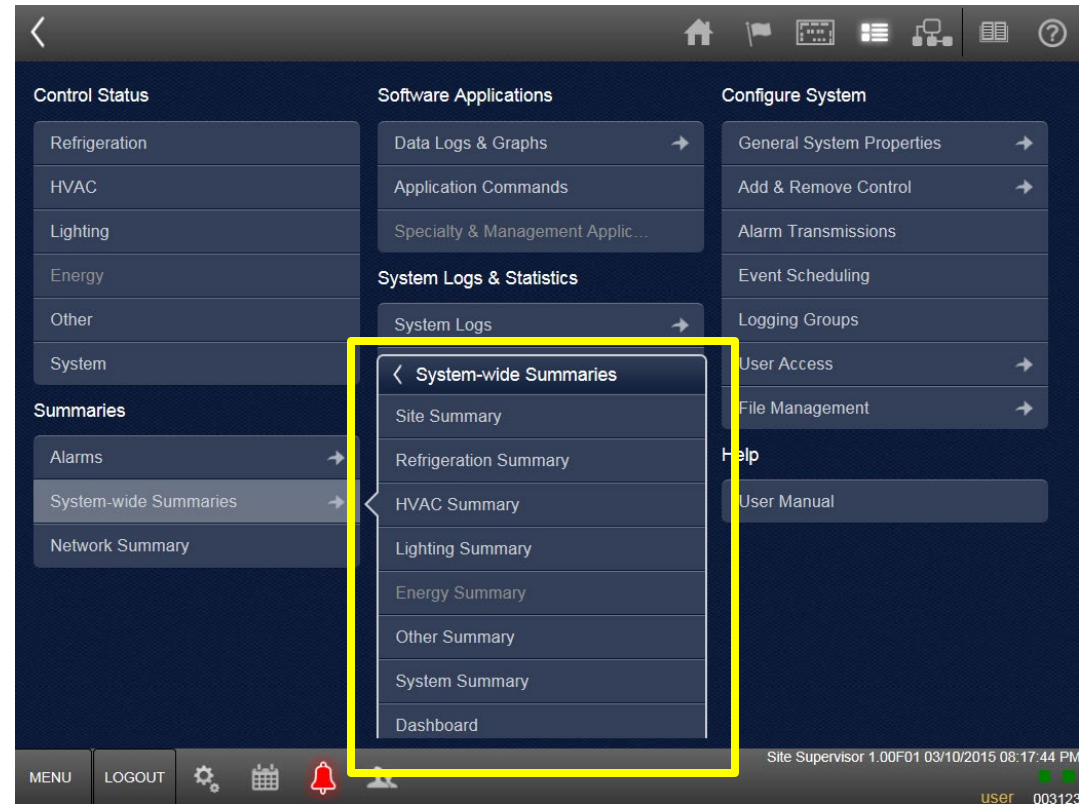
View Store Status

- Go to System-wide Summaries.



View Store Status

- You can choose to go to the Site Summary or you can go to the summary screen for a specific device category.



View Store Status

HVAC Summary HVAC

AHU

ALARM	NAME	ACT CTRL TEMP	ACTIVE SETPT	OCC STATE	FAN STATUS	AHU STATUS
■	AHU_01	NONE	NONE	UNOCCUPIED	OFF	No Ctrl
■	RTU #1	76.00	70.00	OCCUPIED	ON	Cool
■	RTU #2	78.40	70.00	OCCUPIED	ON	Cool

CC T-Stat 0.1

ALARM	NAME	CONTROL TEMP	ACTIVE SP	OCCUPANCY	FAN
■	HVAC-Lab Office	NONE	NONE	OCCUPIED	NONE

MENU LOGOUT

Site Supervisor 1.00F01 03/10/2015 08:18:11 PM ■ ■
user 001131



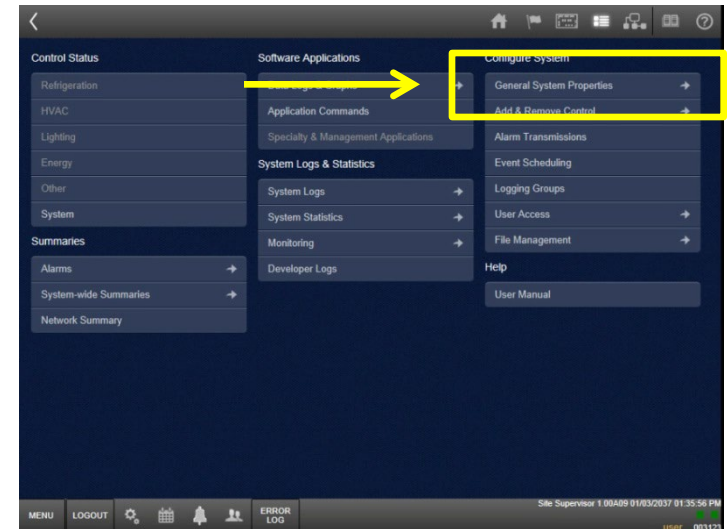
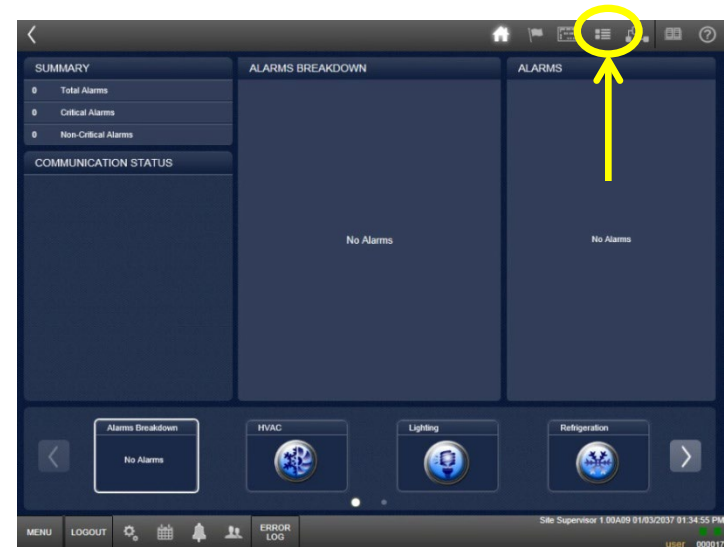
ecoSYS Site Supervisor View/Change COM Ports

Education You Can Build On



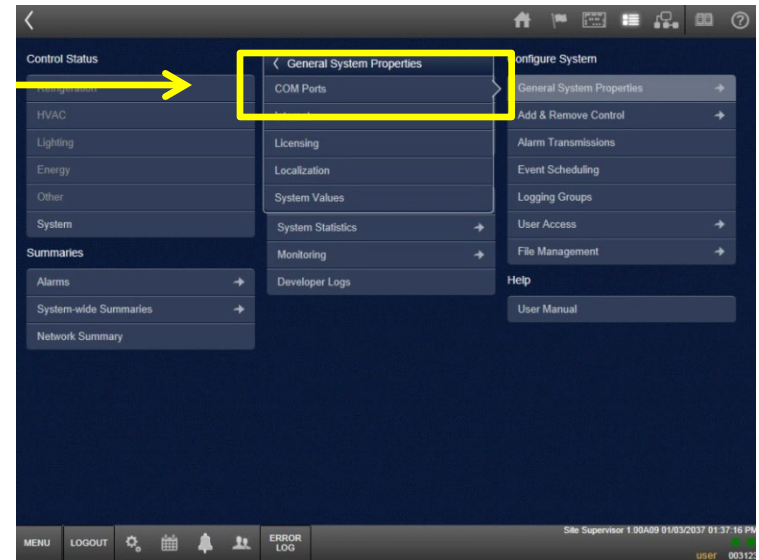
View/Change COM Ports

- Go to Site Map
- Choose **General System Properties**



View/Change COM Ports

- Choose **COM Ports**
- Go to **Configure**
- Use dropdowns to make changes
- Click **Save**





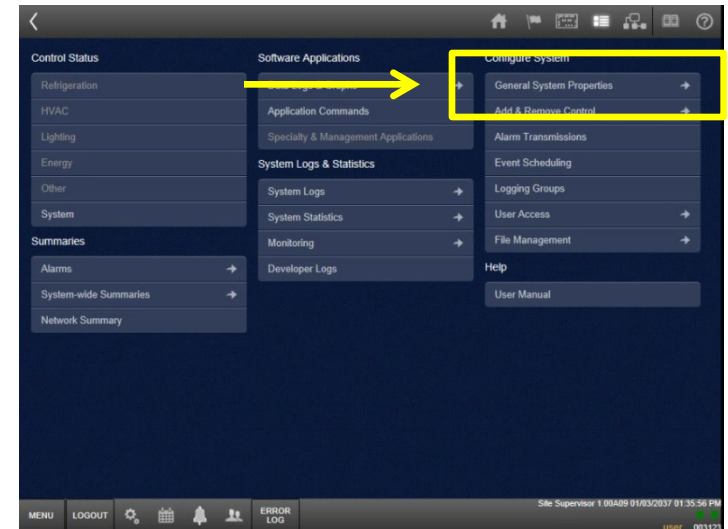
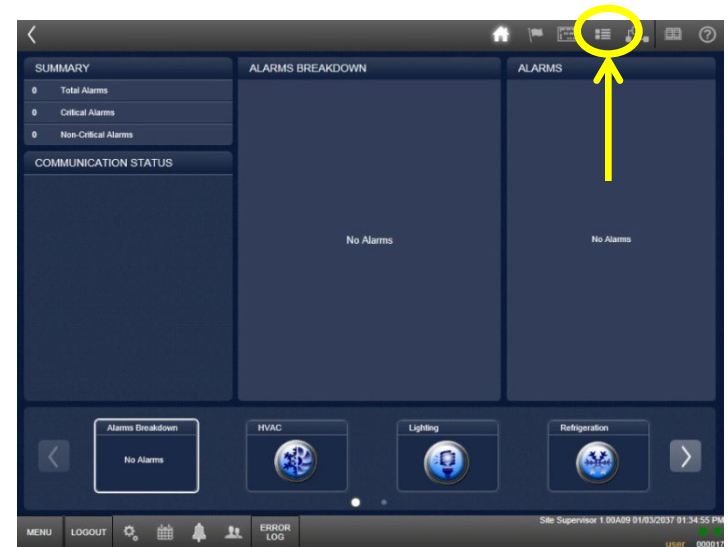
ecoSYS Site Supervisor View/Change Internet Values

Education You Can Build On



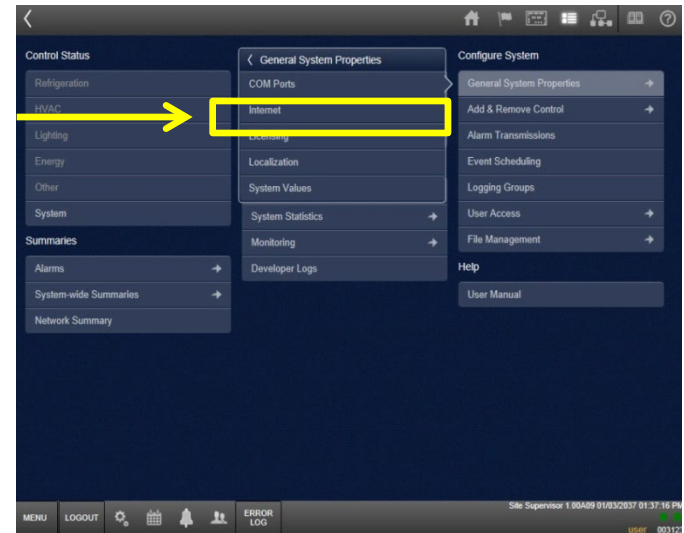
View/Change Internet Values

- Go to **Site Map**
- Choose **General System Properties**



View/Change Internet Values

- Select **Internet**
- Choose **Configure**
- Can make changes to IP, server, email, and text settings
- Select **Complete** when finished





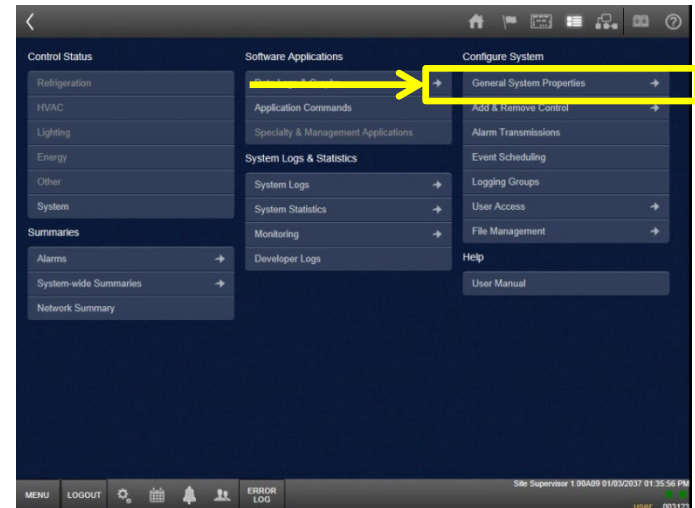
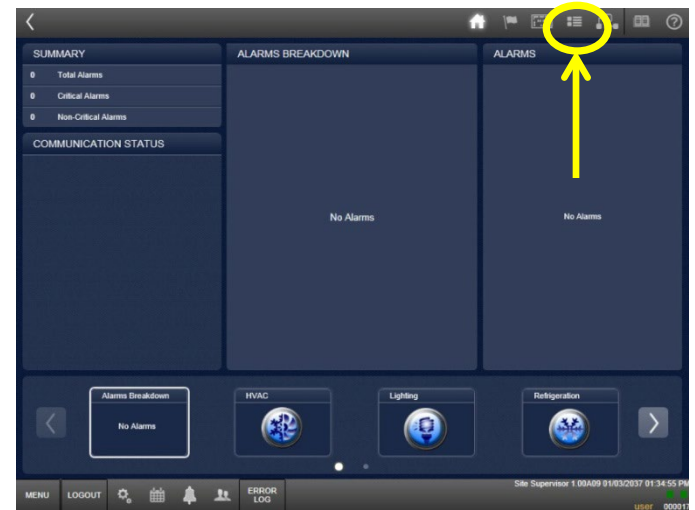
ecoSYS Site Supervisor View/Change Licensing

Education You Can Build On



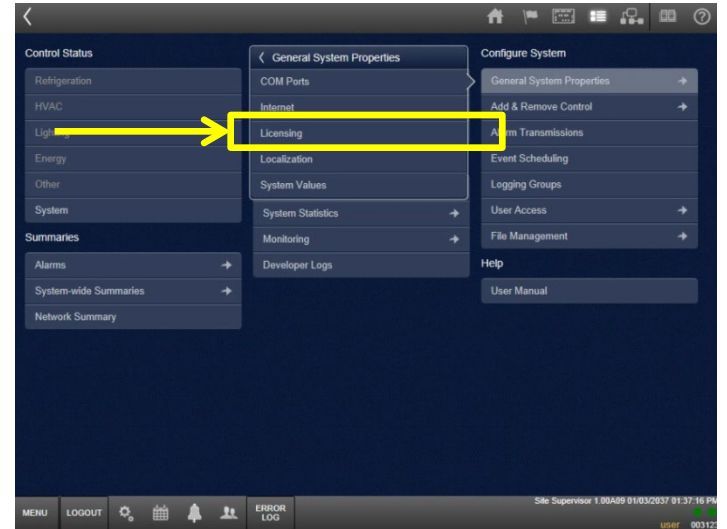
View/Change Licensing

- Go to **Site Map**
- Choose **General System Properties**



View/Change Licensing

- Choose **Licensing**
- Select **Configure**
- To add devices or quantities, click **Add**; entry box will appear



A screenshot of the 'Licensing' configuration screen. The screen displays a table with columns for 'Feature', 'In use', and 'License key'. The table lists various features and their current usage. At the top right, there are 'Add' and 'Configure' buttons. At the bottom, there is a navigation bar with 'MENU', 'LOGOUT', and 'ERROR LOG' options, along with system information.

Feature	In use	License key
Log Group	0 of 12	
Analog Sensor	0 of 10	
FX 6 Relay	0 of 15	
Time Schedule	0 of 32	
XRT5cx	0 of 32	
AHU	0 of 6	
FX 25 Relay	0 of 15	
CCTStat	0 of 3	
Utility Monitoring	0 of 12	
Demand Control	0 of 1	
FX 15 Relay	0 of 15	
Lighting Control	0 of 5	
Digital Sensor	0 of 10	



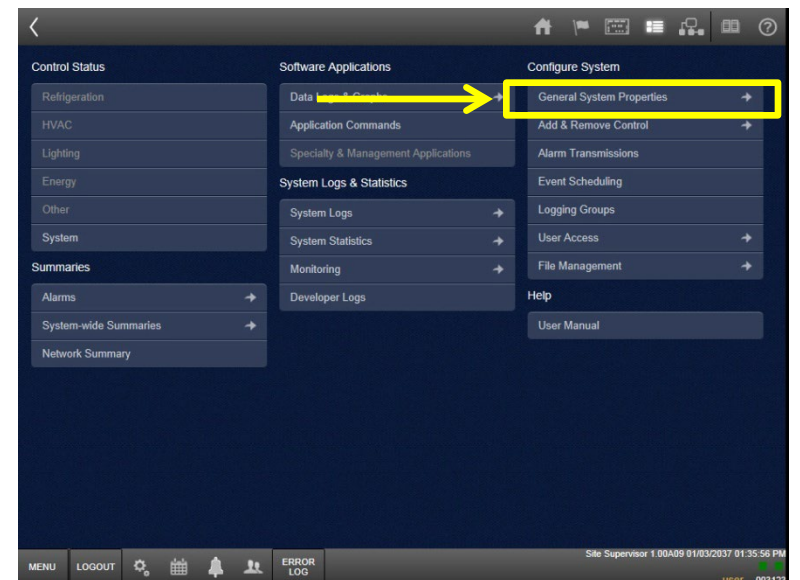
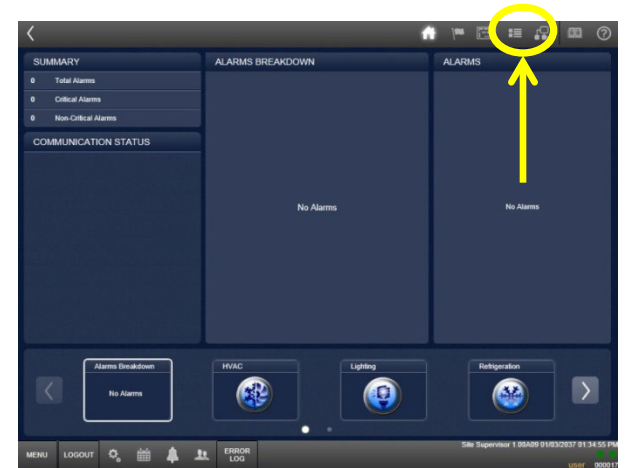
ecoSYS Site Supervisor View/Change Localization

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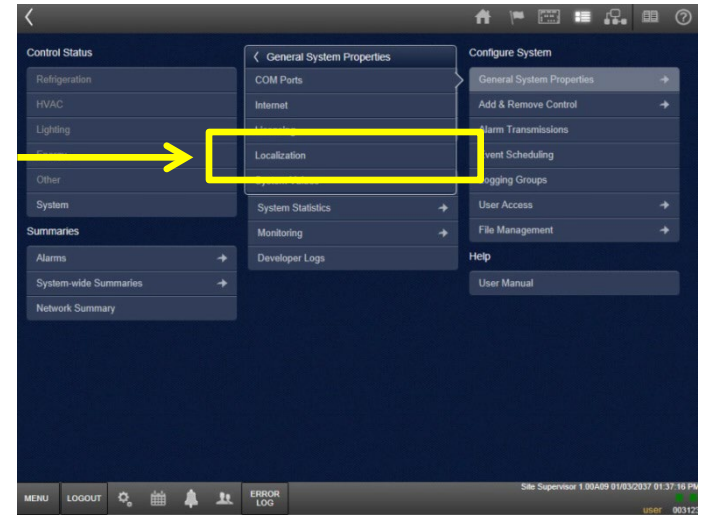
View/Change Localization

- Go to **Site Map**
- Choose **General System Properties**



View/Change Localization

- Go to **Localization**
- Select **Configure**
- Can make changes to Localization settings





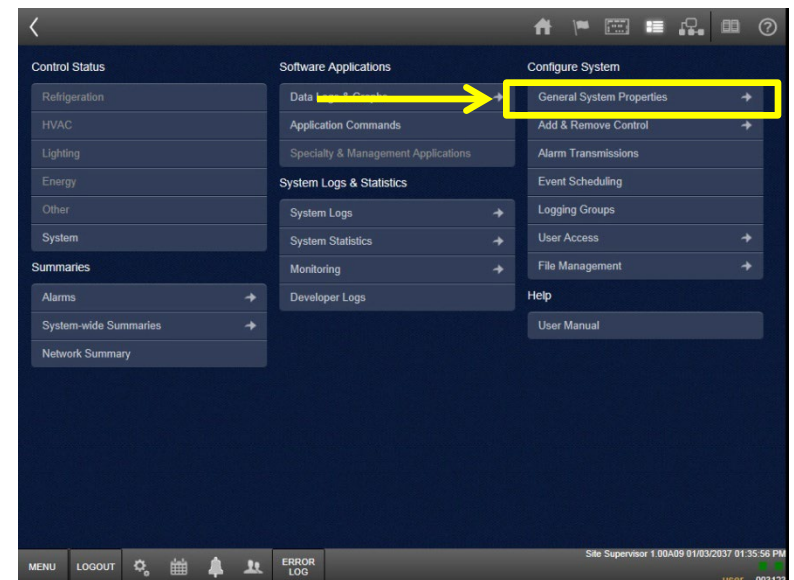
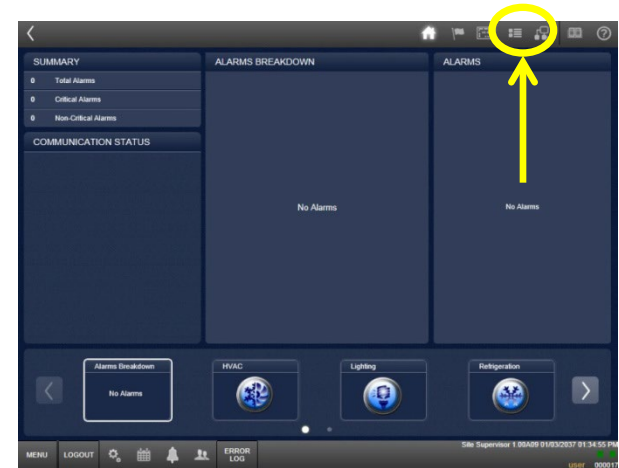
ecoSYS Site Supervisor View/Change System Values

Education You Can Build On



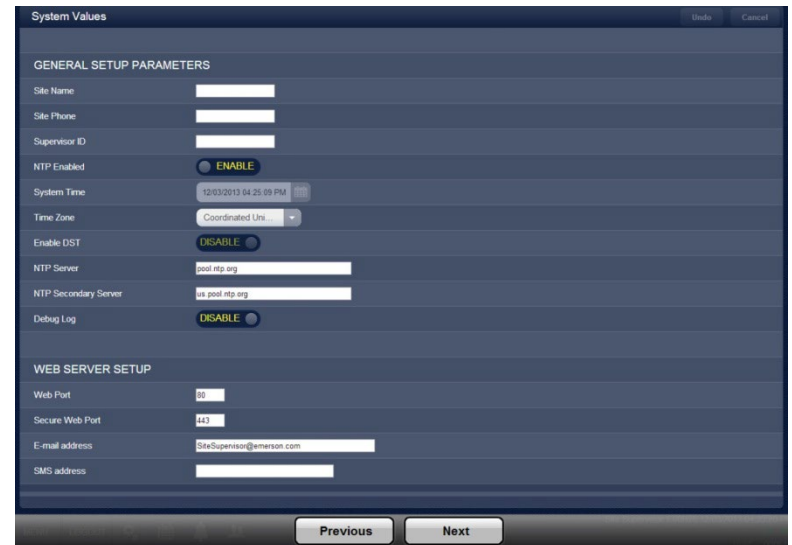
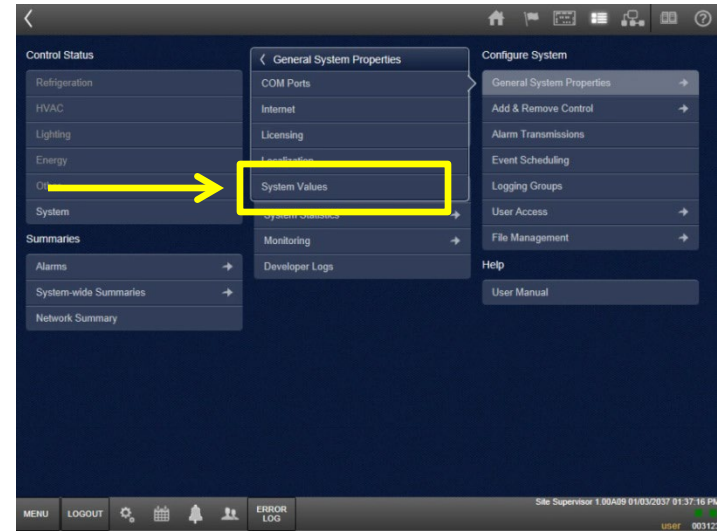
View/Change System Values

- Go to **Site Map**
- Choose **General System Properties**



View/Change System Values

- Choose **System Values**
- Select **Configure**
- Make changes to System Values settings



Questions?

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