

# Set up SLS/IM2 for EIP

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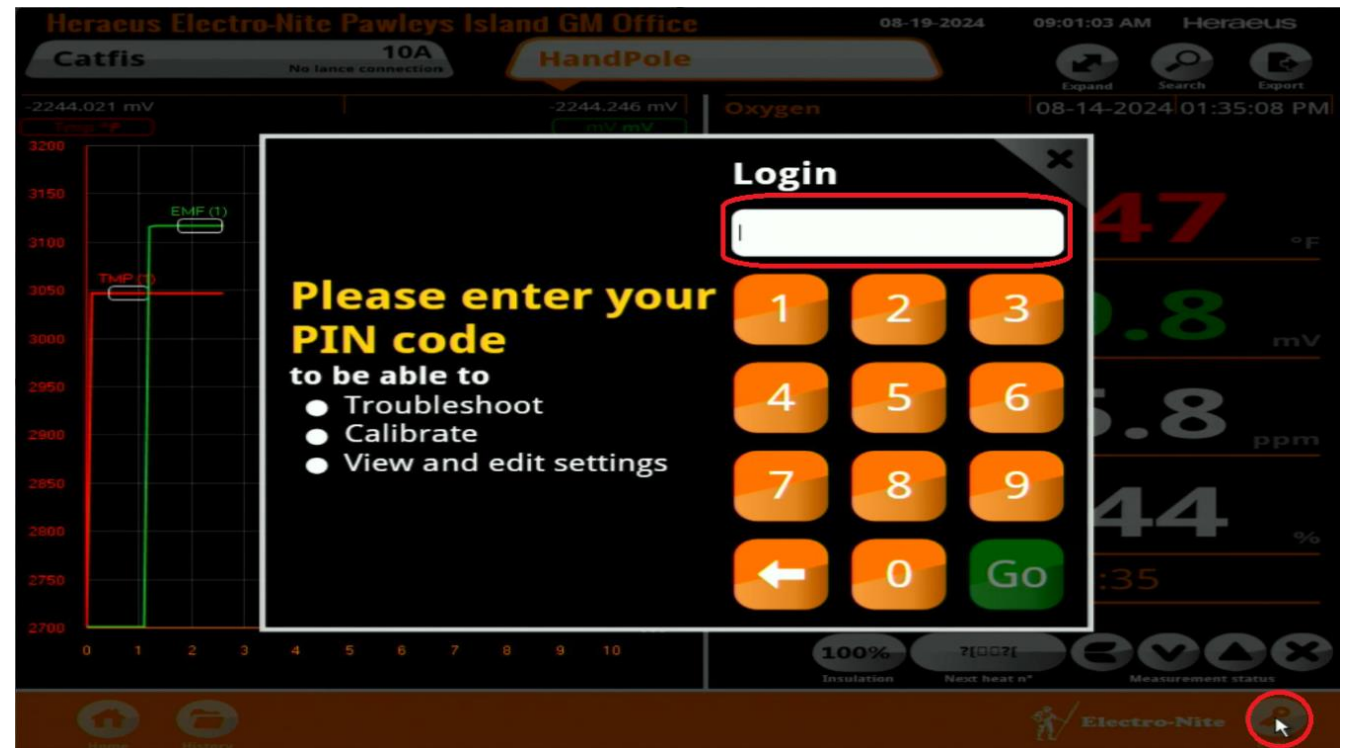
# Network

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- Need IP address on the same network as the PLC to be connected to.
- Ethernet cable to be connected to the RJ45 Ethernet/IP port (this may be labeled Options).

# Log In

Log in in with “24816”.



# Settings

Click <Settings>

Settings

08-19-202409:04:35 AMHeraeus

<input type="checkbox"/>	Act	Version no	Created on	Comment	Preset
RemoveMe					
<input type="checkbox"/>		Version 1	08-19-2024 08:58:00 AM	Remove_me	
<input type="checkbox"/>		Version 0	07-26-2024 01:38:12 PM	Offset 16	
Liberty Peoria					
<input type="checkbox"/>		Version 14	08-14-2024 01:33:43 PM	Testing New Display	
<input type="checkbox"/>		Version 13	08-14-2024 01:27:13 PM	Testing New Display	
<input type="checkbox"/>		Version 12	08-14-2024 01:01:04 PM	Testing New Display	
<input type="checkbox"/>		Version 11	08-14-2024 12:34:49 PM	Testing New Display	
<input type="checkbox"/>		Version 10	08-14-2024 12:27:14 PM	liberty eaf with eip reg	
<input type="checkbox"/>		Version 9	07-02-2024 04:18:07 PM	Liberty Peoria LMF - Conversion added telegrams for Alpha display	
<input type="checkbox"/>		Version 8	06-24-2024 02:09:10 PM	Liberty Peoria LMF - Conversion Config Regs with P1 Carb Selected	
EIP					
<input type="checkbox"/>		Version 25	08-09-2024 07:02:12 PM	testing input regs enabled lance input	
<input type="checkbox"/>		Version 24	08-09-2024 06:38:12 PM	testing input regs enabled lance input	
<input type="checkbox"/>		Version 23	08-09-2024 04:53:46 PM	testing input regs enabled lance input	
<input type="checkbox"/>		Version 22	08-09-2024 04:44:33 PM	testing input regs	
<input type="checkbox"/>		Version 21	08-09-2024 04:40:36 PM	testing input regs	
<input type="checkbox"/>		Version 20	08-09-2024 04:20:45 PM	testing input regs	

Activate

Edit

Delete

Compare

Export

Import

Set preset

Delete preset

Delete Meas.

Customer info

LAN settings

Set Date/Time

Wireless Safety

Home

History

Troubleshoot

Settings

User settings

About

System tools

Electro-Nite

Log Out

# LAN Settings

- Click <LAN Settings>
- Enter the Ethernet/IP settings under the “Real Time LAN Settings” section and save.

The screenshot displays the 'Settings' application interface. At the top, the title 'Settings' is shown along with the date '08-19-2024', time '09:09:03 AM', and the user 'Heraeus'. Below the title bar is a table with columns: 'Act', 'Version no', 'Created on', 'Comment', 'Preset', and 'Activate'. The table lists various versions under three categories: 'RemoveMe', 'Liberty Peoria', and 'EIP'. The 'EIP' category is currently selected, showing versions from 25 down to 20. A modal window titled 'Instrument name' is open, showing 'GM\_Office\_Unit'. Inside this modal, there are two sections: 'LAN settings' and 'Real Time LAN settings'. Both sections have radio buttons for 'Automatically' and 'Manually', with 'Manually' selected in both. The 'Real Time LAN settings' section is highlighted with a red box and contains input fields for IP Address (10.10.10.155), Subnet mask (255.255.255.0), and Default gateway (10.10.10.1). The bottom of the screen features a navigation bar with icons for Home, History, Troubleshoot, Settings, User settings, About, and System tools. The Electro-Nite logo and a Log Out button are also present.

Act	Version no	Created on	Comment	Preset	Activate
<input type="checkbox"/>	Version 1				Activate
<input type="checkbox"/>	Version 0				Edit
<b>Liberty Peoria</b>					
<input type="checkbox"/>	Version 14				Delete
<input type="checkbox"/>	Version 13				Compare
<input type="checkbox"/>	Version 12				Export
<input type="checkbox"/>	Version 11				Import
<input type="checkbox"/>	Version 10				Set preset
<input type="checkbox"/>	Version 9				Delete preset
<input type="checkbox"/>	Version 8				Delete Meas.
<b>EIP</b>					
<input type="checkbox"/>	Version 25				Customer info
<input type="checkbox"/>	Version 24				LAN settings
<input type="checkbox"/>	Version 23				Set Date/Time
<input type="checkbox"/>	Version 22				Wireless Safety
<input type="checkbox"/>	Version 21				
<input type="checkbox"/>	Version 20				

# Settings

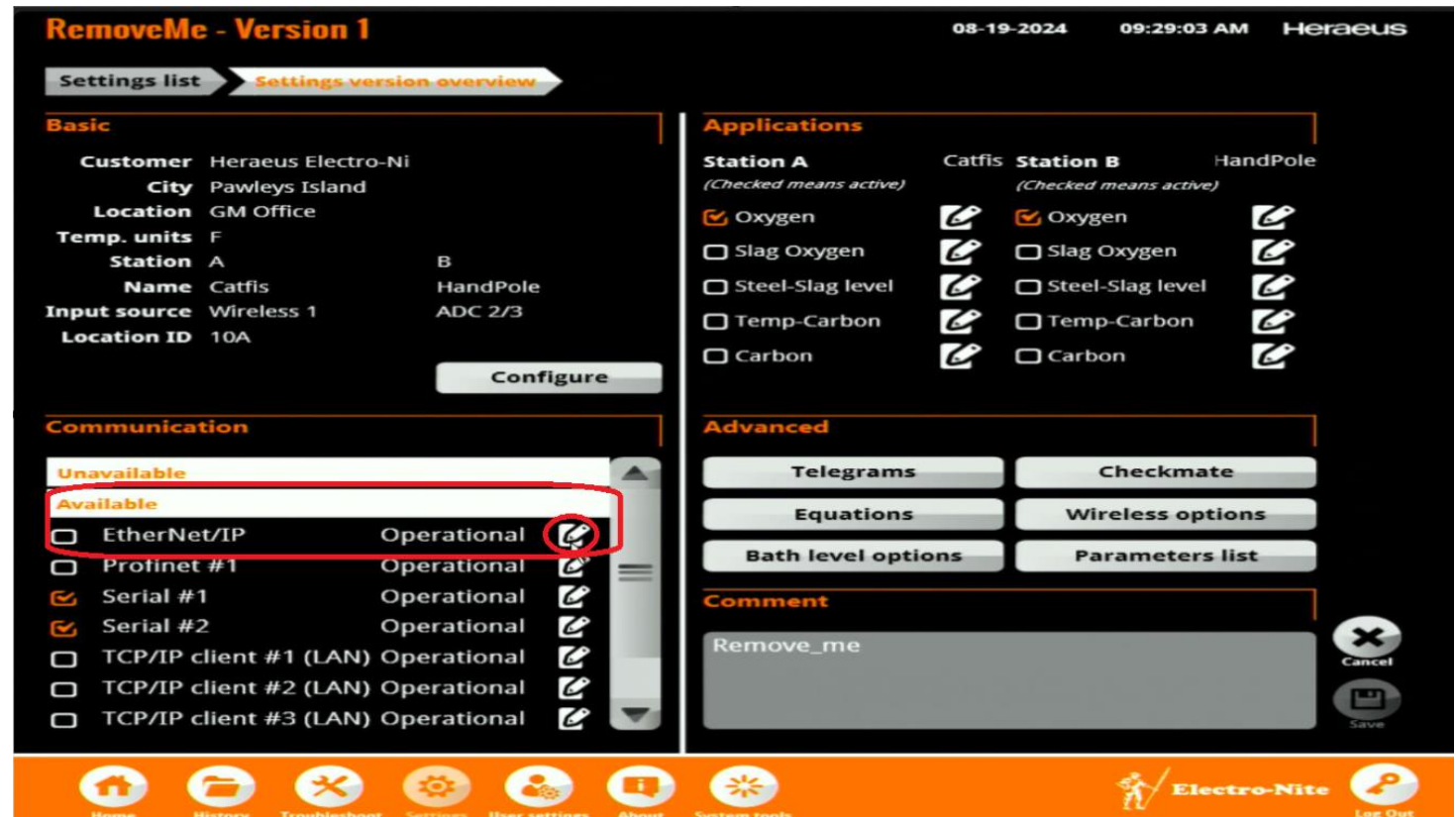
- Click <Settings>
- The program with the light bulb is the active program
- Select the active program and click <Edit>

The screenshot displays the 'Settings' interface of the Electro-Nite system. At the top, the title 'Settings' is on the left, and the date '08-19-2024', time '09:18:16 AM', and user 'Heraeus' are on the right. Below the header is a table with columns: 'Act' (checkbox), 'Version no', 'Created on', 'Comment', and 'Preset'. The table is divided into sections: 'RemoveMe', 'Liberty Peoria', and 'EIP'. In the 'RemoveMe' section, 'Version 1' is highlighted with a red box, and a light bulb icon in the 'Act' column indicates it is the active program. To the right of the table is a vertical sidebar with buttons: 'Activate', 'Edit' (highlighted with a red dashed box), 'Delete', 'Compare', 'Export', 'Import', 'Set preset', 'Delete preset', 'Delete Meas.', 'Customer info', 'LAN settings', 'Set Date/Time', and 'Wireless Safety'. At the bottom is an orange navigation bar with icons for Home, History, Troubleshoot, Settings (active), User settings, About, and System tools, along with the Electro-Nite logo and a Log Out button.

<input type="checkbox"/>	Act	Version no	Created on	Comment	Preset
<b>RemoveMe</b>					
<input checked="" type="checkbox"/>		Version 1	08-19-2024 08:58:00 AM	Remove_me	
<input type="checkbox"/>		Version 0	07-26-2024 01:38:12 PM	Offset 16	
<b>Liberty Peoria</b>					
<input type="checkbox"/>		Version 14	08-14-2024 01:33:43 PM	Testing New Display	
<input type="checkbox"/>		Version 13	08-14-2024 01:27:13 PM	Testing New Display	
<input type="checkbox"/>		Version 12	08-14-2024 01:01:04 PM	Testing New Display	
<input type="checkbox"/>		Version 11	08-14-2024 12:34:49 PM	Testing New Display	
<input type="checkbox"/>		Version 10	08-14-2024 12:27:14 PM	liberty eaf with eip reg	
<input type="checkbox"/>		Version 9	07-02-2024 04:18:07 PM	Liberty Peoria LMF - Conversion added telegrams for Alpha display	
<input type="checkbox"/>		Version 8	06-24-2024 02:09:10 PM	Liberty Peoria LMF - Conversion Config Regs with P1 Carb Selected	
<b>EIP</b>					
<input type="checkbox"/>		Version 25	08-09-2024 07:02:12 PM	testing input regs enabled lance input	
<input type="checkbox"/>		Version 24	08-09-2024 06:38:12 PM	testing input regs enabled lance input	
<input type="checkbox"/>		Version 23	08-09-2024 04:53:46 PM	testing input regs enabled lance input	
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<input type="checkbox"/>		Version 21	08-09-2024 04:40:36 PM	testing input regs	
<input type="checkbox"/>		Version 20	08-09-2024 04:20:45 PM	testing input regs	

# Settings Overview

- If the EtherNet/IP module is installed and configured correctly, the EthernNet/IP selection will be available in the “Communication” section under the “Available” Tab.
- Click the edit icon on the right side of the “EtherNet/IP” item in the list.



# EtherNet/IP Communication

- Under the “EtherNet/IP Configuration: section, check the checkbox “Use Registers”.
- Select “Low byte first” in the first dropdown combobox in the “Telegram” section.
- Select “Single precision Float” in the second dropdown combobox in the “Telegram” section.
- Click <Done> to save and exit when that is completed.





# EtherNet/IP Activation

- Check the “EtherNet/IP line item in the “Communication” section to activate it.
- Add comments to the “Comments” textbox to describe the changes made.
- Click <Save> to save the changes.

The screenshot displays the 'RemoveMe - Version 1' settings application. The top bar shows the date '08-19-2024', time '09:51:43 AM', and user 'Heraeus'. The interface is divided into several sections:

- Settings list** and **Settings version overview** tabs are at the top.
- Basic** section contains fields for Customer (Heraeus Electro-Ni), City (Pawleys Island), Location (GM Office), Temp. units (F), Station (A and B), Name (Catfis and HandPole), Input source (Wireless 1 and ADC 2/3), and Location ID (10A). A 'Configure' button is below these fields.
- Communication** section shows a list of communication protocols. 'EtherNet/IP' is highlighted in yellow and marked as 'Operational'. Other protocols include Profinet #1, Serial #1, Serial #2, and three TCP/IP clients, all marked as 'Operational'. A red circle highlights the 'EtherNet/IP' entry.
- Applications** section is divided into 'Station A' and 'Station B' (HandPole). Each station has a list of applications with checkboxes: Oxygen (checked), Slag Oxygen, Steel-Slag level, Temp-Carbon, and Carbon. Edit icons are next to each item.
- Advanced** section contains buttons for 'Telegrams', 'Checkmate', 'Equations', 'Wireless options', 'Bath level options', and 'Parameters list'.
- Comment** section has a text box with the text 'Configure EtherNet/IP Comms' and a 'Save' button circled in red.

The bottom navigation bar includes icons for Home, History, Troubleshoot, Settings, User settings, About, System tools, Electro-Nite logo, and Log Out.

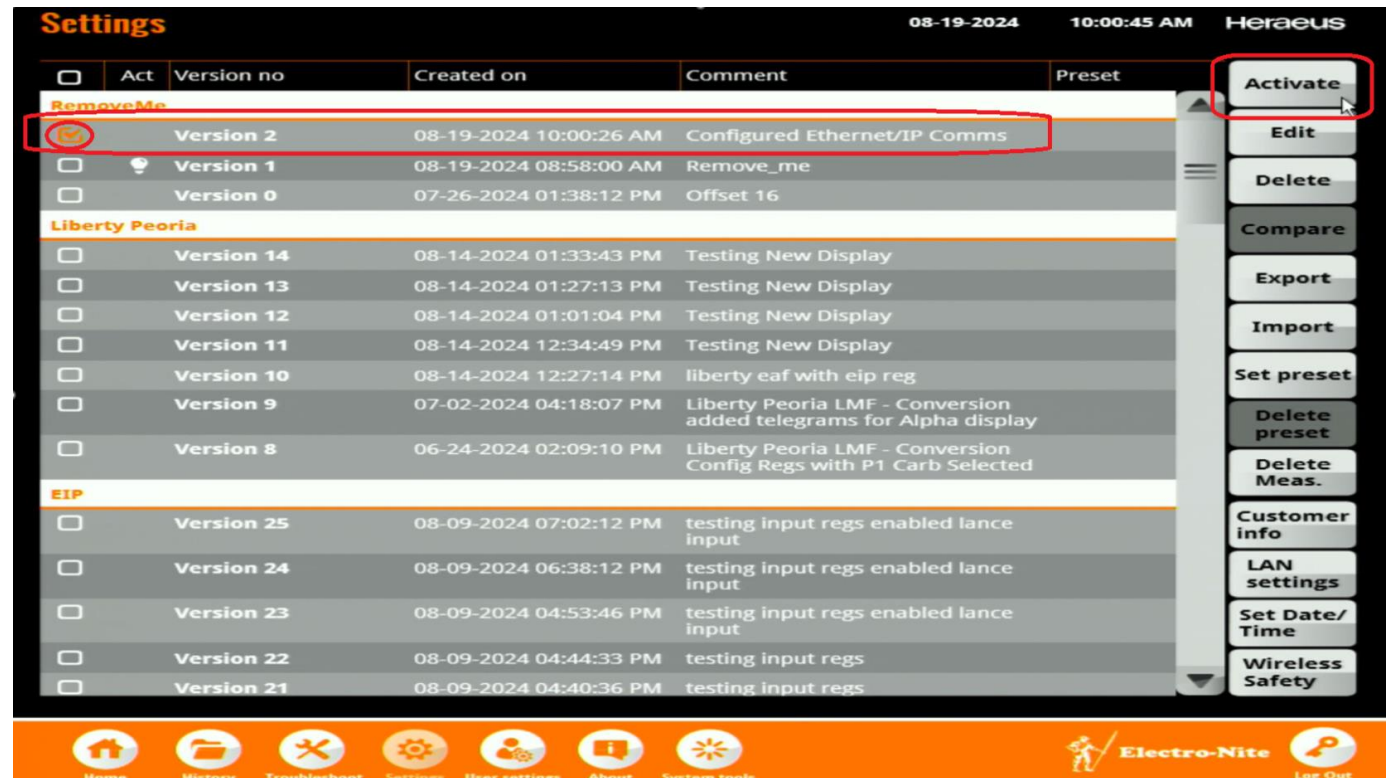
# Save to Set

- Click <Save> to save the new program in the same set of programs as the program you started with.
- The original program will not be affected by this action.



# Activating the New Program

- The program with the EtherNet/IP configuration has been saved but not activated.
- The current activated program is still the original program with the light bulb indicator displayed beside it.
- To activate the new program, check the checkbox on the new program and click the <Activate> button.
- This will activate the new program.



# Completion

- If the activation process is successful, the light bulb indicator will be present on the line item of the new program

The screenshot displays the 'Settings' page of the Electro-Nite software. At the top, the date '08-19-2024' and time '10:02:06 AM' are shown, along with the user 'Heraeus'. The main content is a table with columns: 'Act', 'Version no', 'Created on', 'Comment', and 'Preset'. The table is divided into three sections: 'RemoveMe', 'Liberty Peoria', and 'EIP'. In the 'RemoveMe' section, 'Version 2' has a light bulb icon in the 'Act' column and the comment 'Configured Ethernet/IP Comms'. To the right of the table is a vertical toolbar with buttons: 'Activate', 'Edit', 'Delete', 'Compare', 'Export', 'Import', 'Set preset', 'Delete preset', 'Delete Meas.', 'Customer info', 'LAN settings', 'Set Date/Time', and 'Wireless Safety'. At the bottom is a navigation bar with icons for 'Home', 'History', 'Troubleshoot', 'Settings', 'User settings', 'About', and 'System tools', followed by the 'Electro-Nite' logo and a 'Log Out' button.

	Act	Version no	Created on	Comment	Preset
<b>RemoveMe</b>					
<input type="checkbox"/>		Version 2	08-19-2024 10:00:26 AM	Configured Ethernet/IP Comms	
<input type="checkbox"/>		Version 1	08-19-2024 08:58:00 AM	Remove_me	
<input type="checkbox"/>		Version 0	07-26-2024 01:38:12 PM	Offset 16	
<b>Liberty Peoria</b>					
<input type="checkbox"/>		Version 14	08-14-2024 01:33:43 PM	Testing New Display	
<input type="checkbox"/>		Version 13	08-14-2024 01:27:13 PM	Testing New Display	
<input type="checkbox"/>		Version 12	08-14-2024 01:01:04 PM	Testing New Display	
<input type="checkbox"/>		Version 11	08-14-2024 12:34:49 PM	Testing New Display	
<input type="checkbox"/>		Version 10	08-14-2024 12:27:14 PM	liberty eaf with eip reg	
<input type="checkbox"/>		Version 9	07-02-2024 04:18:07 PM	Liberty Peoria LMF - Conversion added telegrams for Alpha display	
<input type="checkbox"/>		Version 8	06-24-2024 02:09:10 PM	Liberty Peoria LMF - Conversion Config Regs with P1 Carb Selected	
<b>EIP</b>					
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<input type="checkbox"/>		Version 24	08-09-2024 06:38:12 PM	testing input regs enabled lance input	
<input type="checkbox"/>		Version 23	08-09-2024 04:53:46 PM	testing input regs enabled lance input	
<input type="checkbox"/>		Version 22	08-09-2024 04:44:33 PM	testing input regs	
<input type="checkbox"/>		Version 21	08-09-2024 04:40:36 PM	testing input regs	