Quick-Start Guide

FernLite WiFi Registration

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Checkout the FernLite registration & installation video
https://www.youtube.com/watch?v=N1VVSJ0Spuc and follow along!

Quick-Start Guide

This quick start guide will help you set up a **FernLite WiFi RS232 (EW10A-0)** device using the **setup wizard** in Odyssey's FernView portal.
It is recommended that the hardware is tested in a controlled environment (lab or test site) before going to site.

Getting started

In your FernLite box, you will find:

Odyssey FernLite Wifi (RS232) EW10A-0
Custom cable

Step 1: Connect your FernLite to your inverter

The white cable that you will receive with your FernLite should be connected to the inverter at the RS232 port. Connect the other side of the cable to the FernLite where it is labeled 'FernLite'. The FernLite will be powered directly from the RS232 port of the inverter.

Figure 1: Left: Connect the white cable to the inverter at the RS232 port;   Right: Connect the end of the cable labeled 'FernLite' to the FernLite

Step 2: Register your FernLite

Figure 2(left): FernLite Registration Code (MAC Address); Figure 3 (Right): Enter your MAC address on the FernView portal to register your new device

Each FernLite has a unique registration code which can be found printed on the side of the FernLite (Figure 2). The registration code is the numbers and letters that follow 'MAC:'

On your computer navigate to https://fernview.odysseyenergysolutions.com/register and enter your FernLite's unique registration code (MAC address). Click **'Continue'** to proceed.

Step 3: Register a new account/ Login to your existing account

If you are a new customer, select '**Register**' to create an account. If you are an existing customer select '**Login**', and proceed to Step 8 of this document.
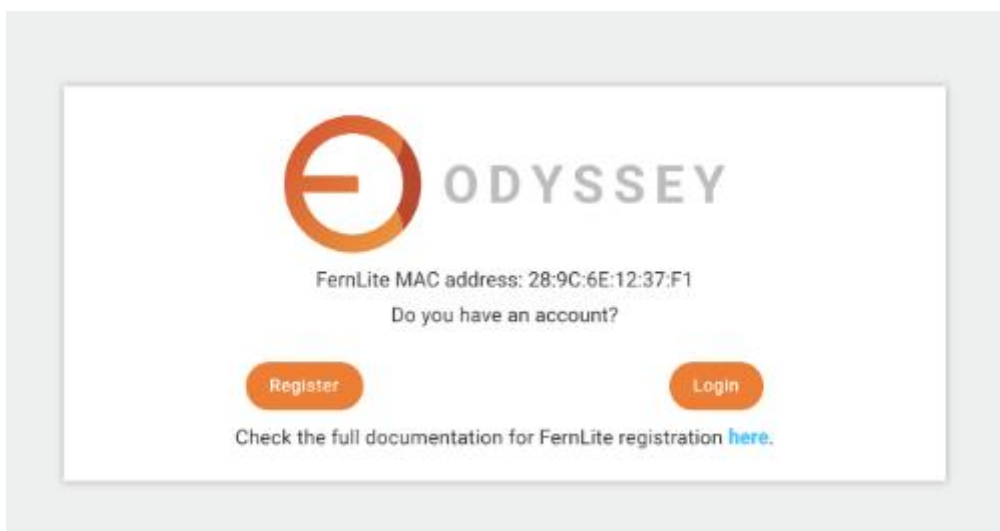
Step 4: Register your company

On selecting **'Register'** you will be taken to the next page. In order to register the new account the following information needs to be filled:

Name: Enter your name

Email: Enter the email which will be linked to your FernView account

Country: Select your country name

Company: Enter the name of your company, or if one does not exist, enter any other name (for example, your own name) that you would like to appear as the company name

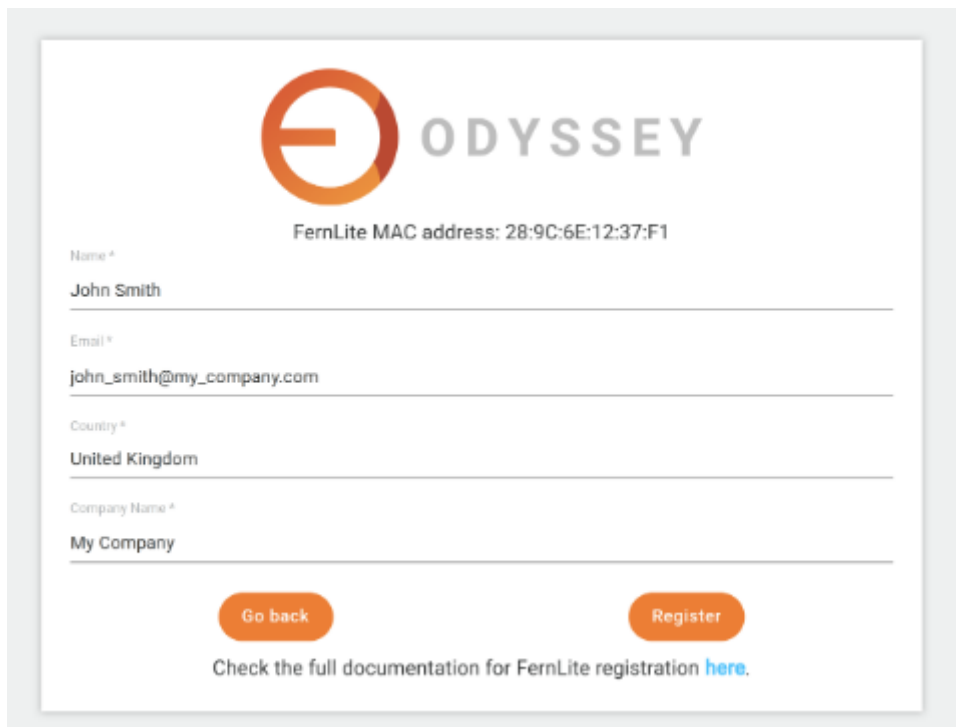Click on **'Register'**. Your company has now been registered on the FernView portal.

Figure 5: Enter information in the form to proceed with the registration process

Once you have successfully registered your account you will receive a verification email on your registered email address. Click on **'Verify your email'** to proceed.
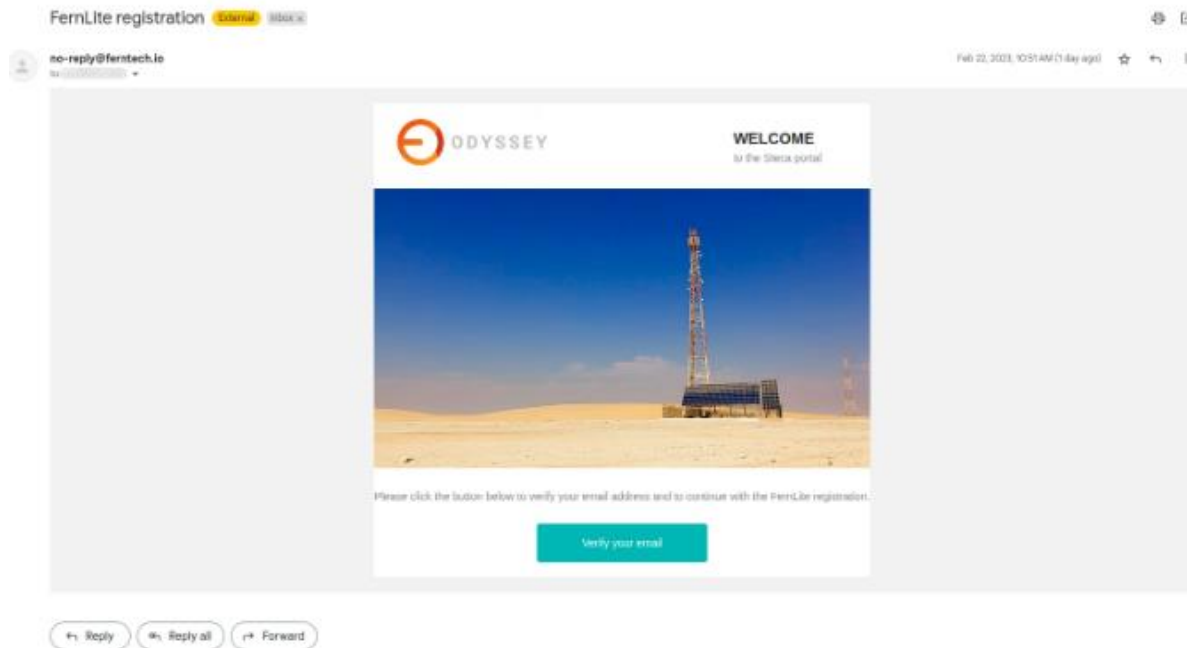

Figure 6: Verification email sent to the email address used for registration process

Step 5: Set your password

Once you verify your email you will be redirected to the FernView portal. With the given instructions kindly set your new password. Click on **'Save'** once completed.
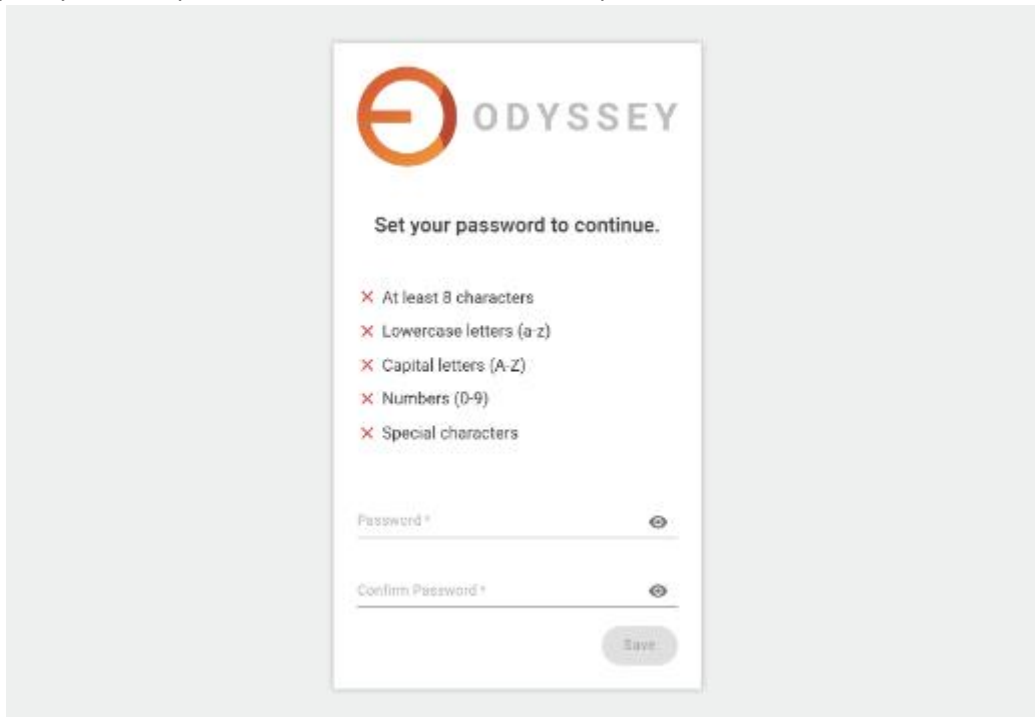

Figure 7: Set password after email verification

Step 6: Log in

Use your email address and newly created password to login on the FernView portal https://fernview.odysseyenergysolutions.com/login
With this you have concluded the registration process and you now have access to the FernView portal.
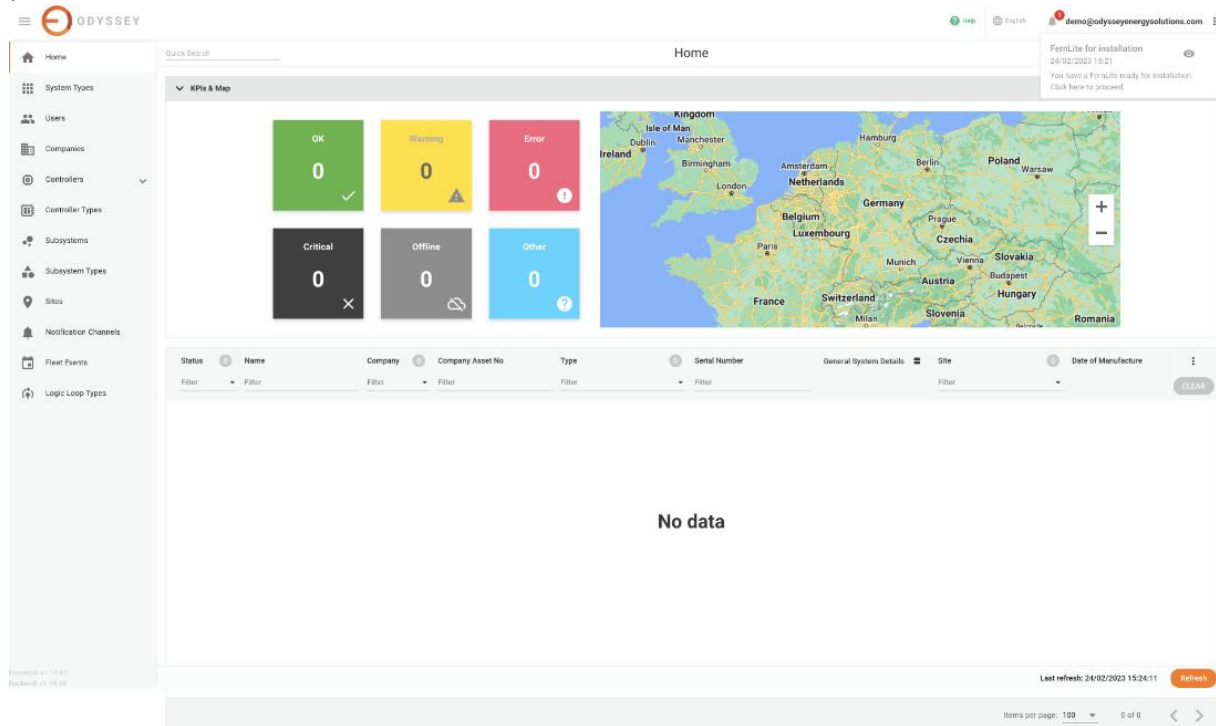

Figure 8: Login to the FernView Portal

> **Note: To launch the installation process either follow step 7, or click on the bell icon on the top right of the screen to view the notification 'FernLite for installation' and proceed to step 8**

Step 7: Configure FernLite on the FernView platform

Once on the FernView portal the following steps need to be followed to install the FernLite device:
Step 1: Select **'Controllers'** on the left side menu
Step 2: Select the **'FernLites'** option
Step 3: Click on the three dots on the right side of the screen, along the line of your newly added device
Step 4: Click on **'Install'** from the drop down menu

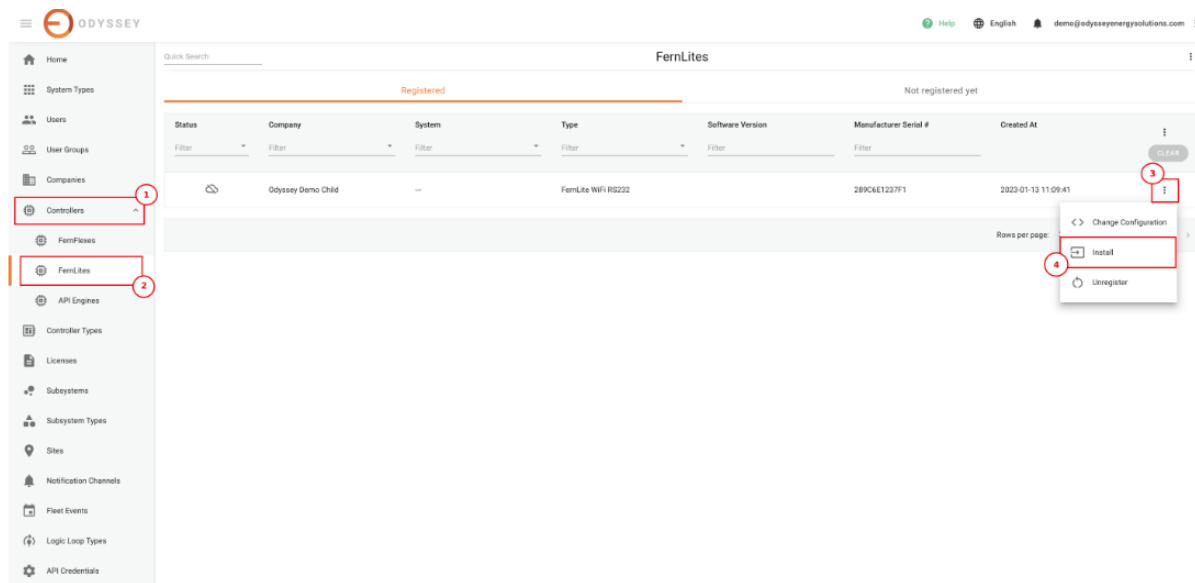These steps are clearly shown in the screenshot below.

Figure 9: The steps shown in the image need to be followed to start the FernLite installation process

Step 8: Connect FernLite to local WiFi

After clicking **'Install'** the page will be redirected to the first step of the FernLite Installation Page.

> **Note: The current page will show that 'Your FernLite is currently in the offline state'. This is expected when you're just starting the installation process.**
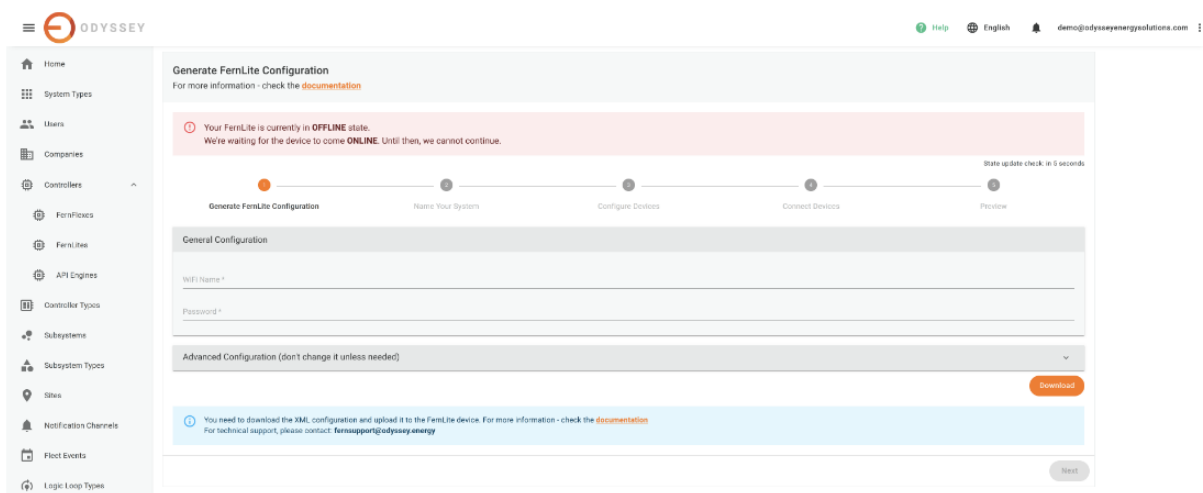

Figure 10: FernLite currently shows offline. Proceed with the installation process

Generate FernLite Configuration

In order to set-up the FernLite device please follow the following steps:

1. Enter your local 'WiFi name' and 'Password' under the 'General Configuration' section

2. Click the **'Download'** option on the screen

3. After the file has been downloaded, go to the available WiFi networks on your computer. You will see your FernLite network as an available option. This FernLite network should be selected. The last 4 digits of the network name will be the same as your FernLite's MAC number.

For example, the name of your network can be EW11_3A32 if your FernLite MAC address is ********3A32.

> **Note: In case you are prompted for no internet connection, this is normal. Please ignore the warning and continue with the installation process.**

4. Once connected to the FernLite network go to a new tab on the web browser on your computer and navigate to the IP address **10.10.100.254**. Sign in using the following credentials:

- Username: *admin*

- *Password: admin*

Figure 11: Entering the IP address in the new tab will appear as in the image

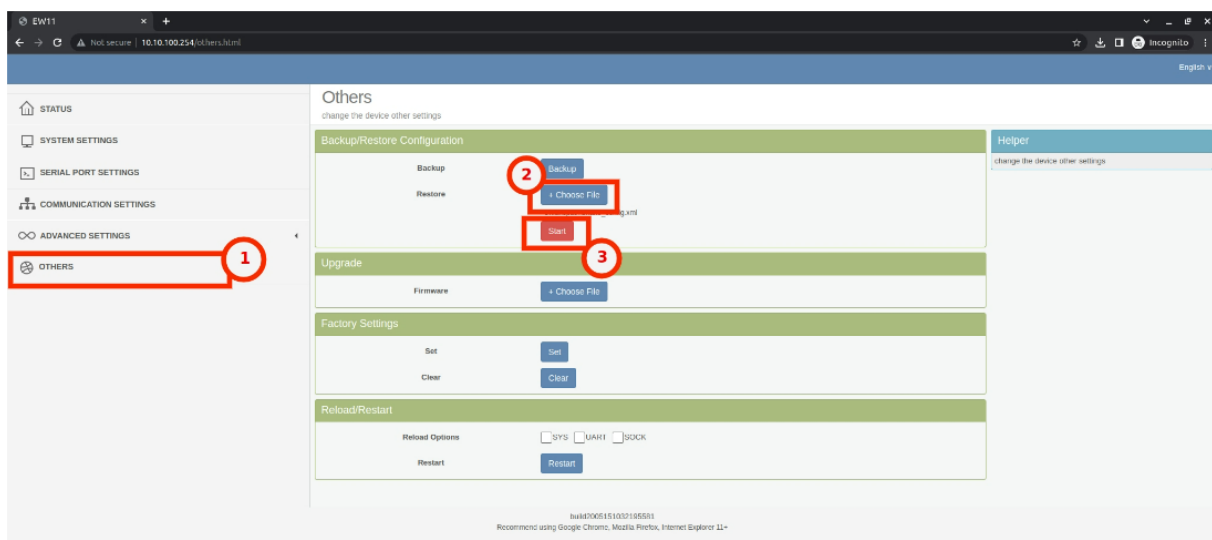5. The FernLite configuration page will appear after signing in

Steps mentioned should be followed to proceed with the installation process

At this page you need to do the following steps:

1. Click the 'Others' option on the left menu of the page

2. Go to 'Choose file' under the backup/ restore configuration section

3. Upload the file that you had earlier downloaded (Step 10, point 2 shown above). Normally the file will appear in the downloads folder of your computer.

> **Note: The file will be stored under the name '*FernLite_<your MAC address>_config.xml*' (For example: e.g. *FernLite_439C6G1237A2_config.xml*)**

4. Click on 'Start' once the file has been uploaded

5. Confirm restoring all configuration by clicking on 'OK' in the pop up window asking if you are sure to restore all configuration

6. The window will now indicate that it is 'Restarting'

> **Note: At this point you will lose the WiFi connection to the FernLite and you are required to go back to your original WiFi network so you can connect to the internet again.**
> **One way to check if FernLite is connected to the WiFi network is checking its LED light on the RJ45 port:**
> - **If the FernLite has just been powered up and has not been connected to the WiFi, the LED light on the device will blink fast (flashes every second) continuously.**
> - **When the FernLite is connected to the WiFi, then the LED light will flash slowly (flashes once in every 3 seconds).**

Step 9: Continue FernLite installation

Once FernLite has been configured the installation process should be continued

1. Go back to the FernView portal tab again, once you have connected back to your local WiFi network, so you can continue with the wizard.

> **Note: You will see that the page will now indicate that 'Your FernLite system is currently in OK state', indicating that the configuration so far has been successful and the FernLite is connected to your local network. This might take a minute until the portal detects that FernLite is connected successfully**

2. 2. Once the FernLite is connected successfully you need to click on 'Next' to proceed with the installation.
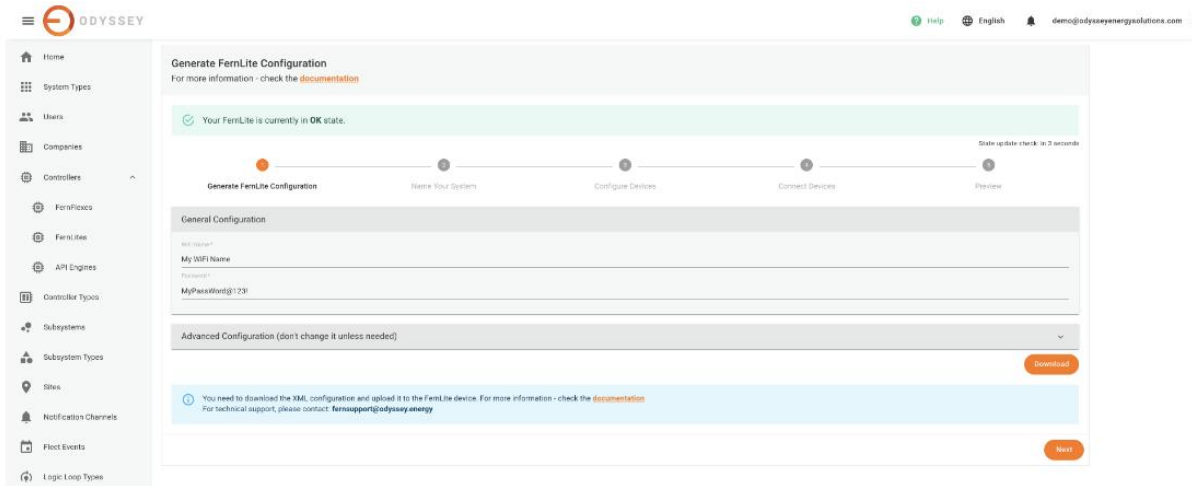
Figure 13: FernLite has been successfully connected to local network

Name your system

- *System name - Name the system as per your convenience (for example, a system name that contains location, system type, or customer name)*

- *System type - Choose between a single-phase or three-phase system type from the drop down menu, regardless the number of inverters in the system*

- *Click 'Next'*

> **Note: The single phase or three phase system should be selected regardless of the number of devices in the system.**
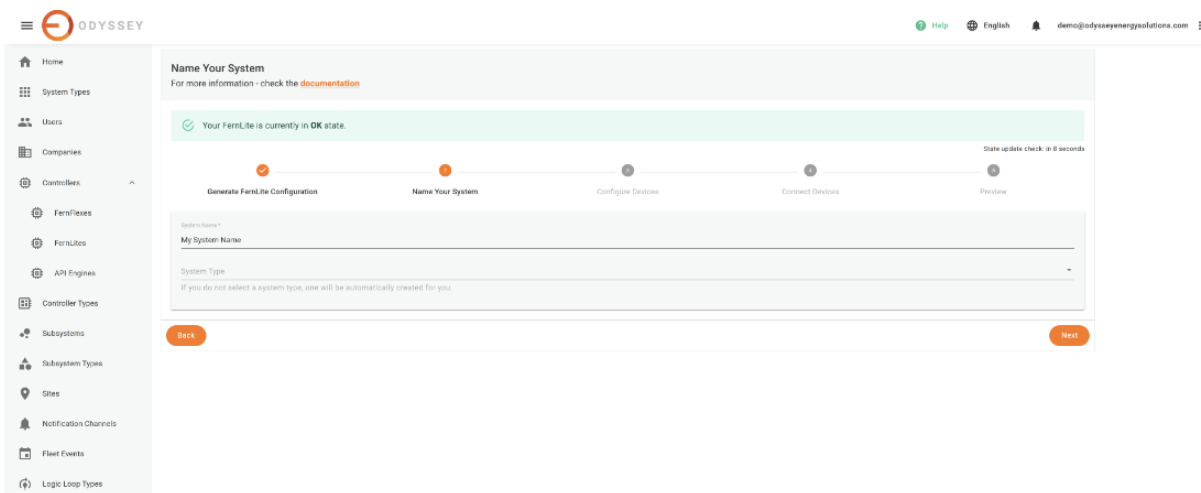
Figure 14: Name and system type should be added

Configure devices

- *Select the inverter type from the drop-down menu*

- *Click 'Next'*

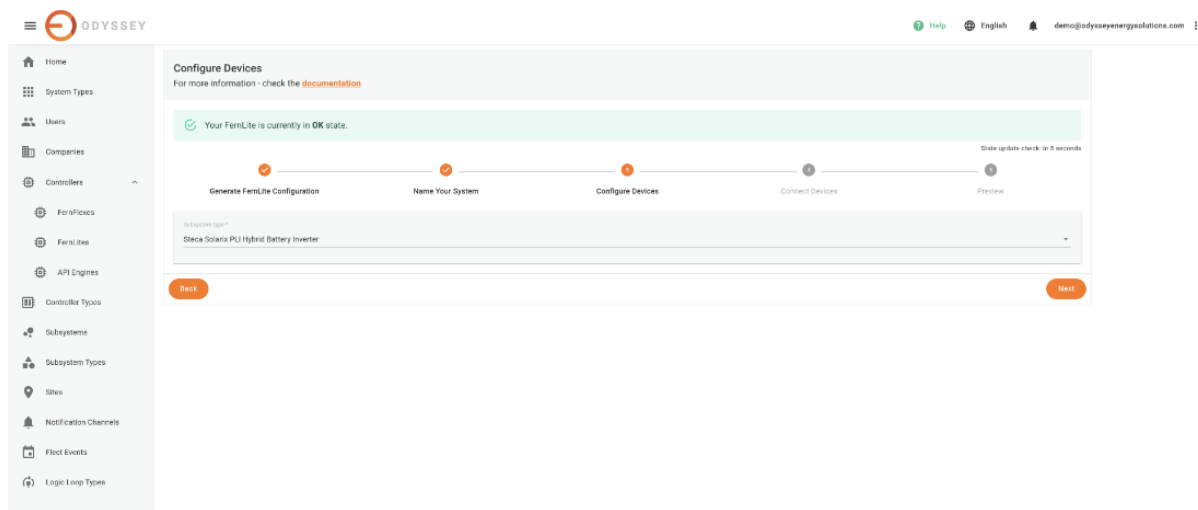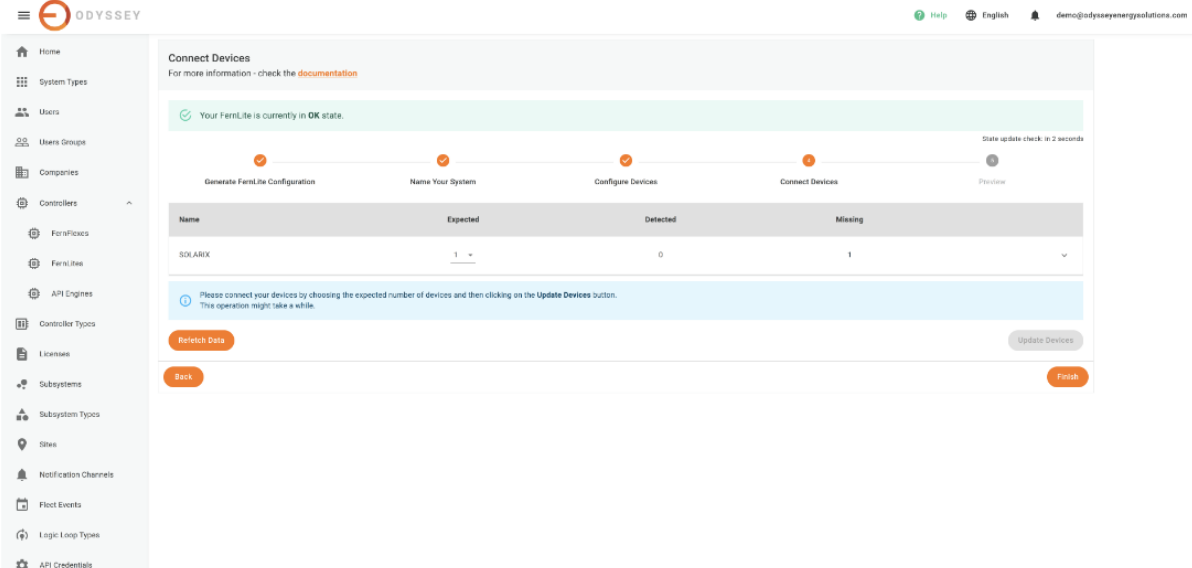> **Note: The next page could take about 60 seconds to load. Please be patient here.**

Figure 15: Select the right device type

Connect devices

- *The device name should now be visible on the 'Connect Devices' page.*

- *If the page does not already show the 'Expected' devices, select the number from the dropdown (equivalent to the number of inverters in the system)*

- *Click on 'Update devices' and wait till the 'Expected' and 'Detected' devices are the same*

- *Click 'Finish' once completed*

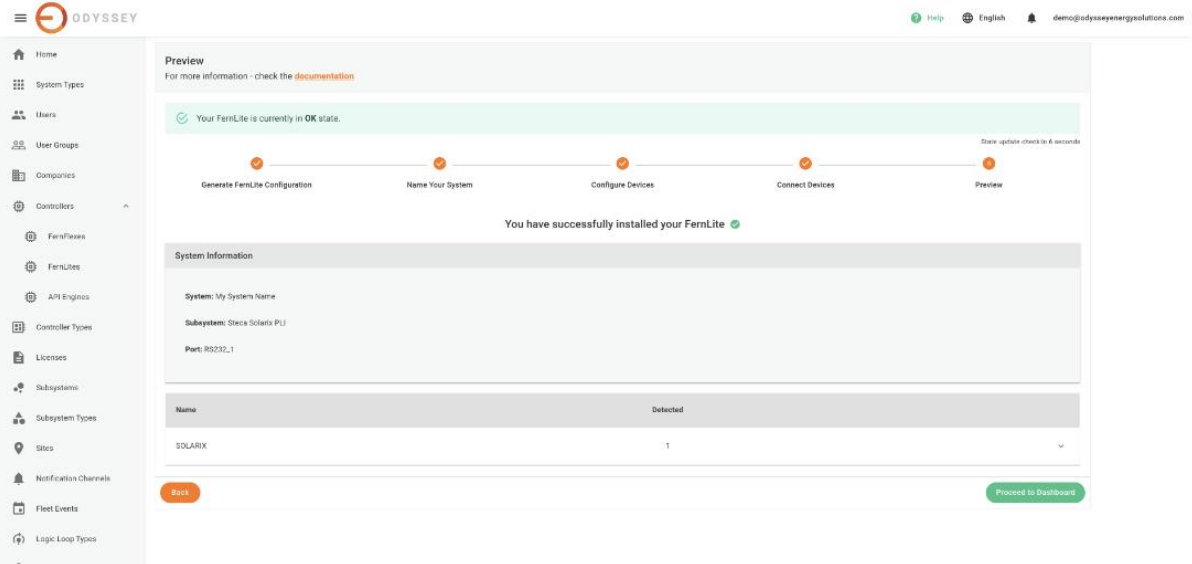**Note: Please do not select '0' expected number of devices, otherwise no data will be logged.**

Figure 16: Information on connected devices, with the expected and detected number of devices

Preview

- *The summary of the installed device can be seen here.*

Note: Your installation process is now complete.

- *Click 'Proceed to dashboard' to see your System Dashboard*

Figure 17: FernLite installation process completed.

FernView Main features

Once the FernLite has been installed, there are a few features worth exploring that will enhance the user's experience and help them have the most optimal use. Users can check out the links below to learn more.

- Understanding the homepage

- Understanding the system dashboard

- Understanding the Events page

- Understanding dashboard time setup

- Understanding the Subsytems dashboard

- Add site location

- Add a new child company in your hierarchy

- Add new user to your new company

- Transfer System to the user's company

Frequently Asked Questions

https://docs.ferntech.io/en/fernlite-logger/fernlite-wifi/FAQ

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