

## FernLite WiFi Registration 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

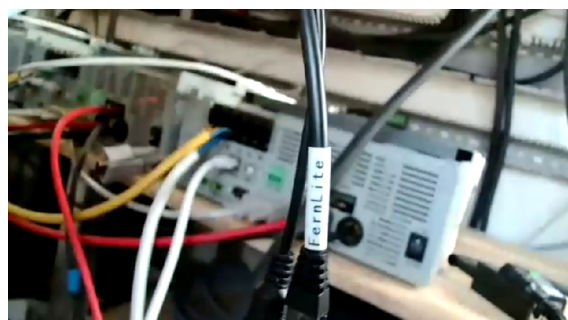
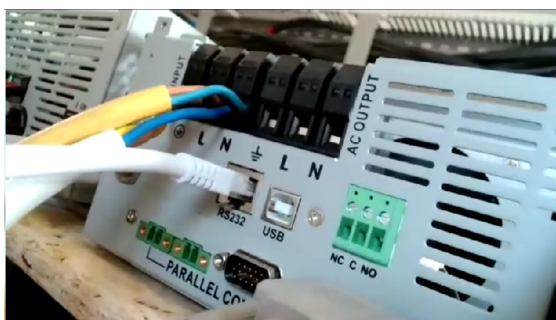
In your FernLite box, you will find:

- 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: Find your FernLite Registration Code (MAC Address)

Each FernLite has a unique registration code which can be found printed on the side of the FernLite. The registration code is the numbers and letters that follow 'MAC:'. Below is a photo of what the registration code looks like.



Figure 2: FernLite Registration Code (MAC Address)

## Step 3: Register your FernLite

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

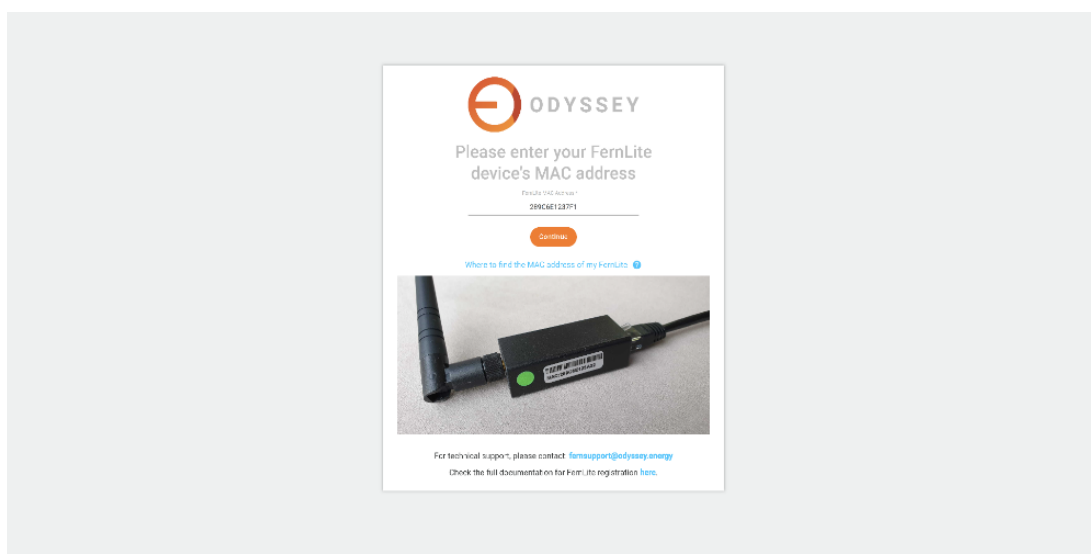


Figure 3: Enter your MAC address on the FernView portal to register your new device

## Step 4: 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.

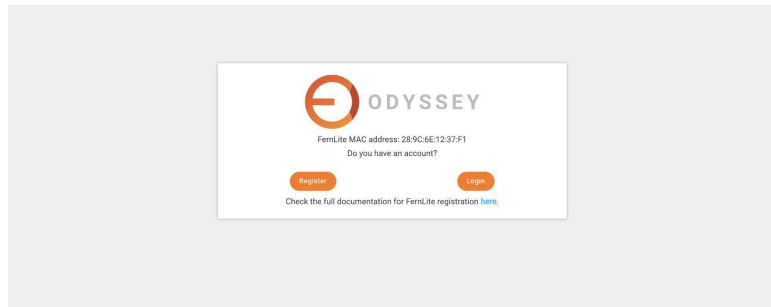


Figure 4: Select '**Register**' to create a new account

## Step 5: 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.

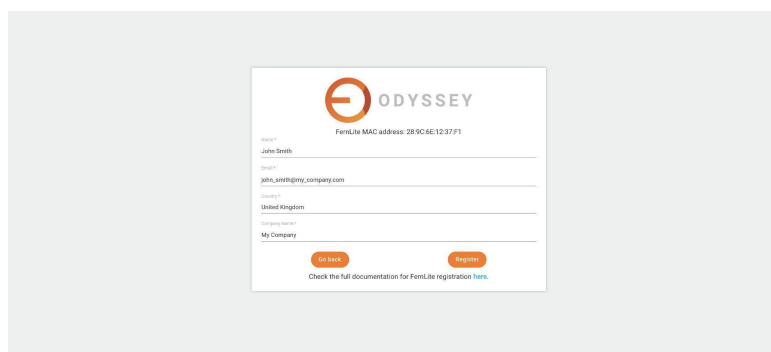
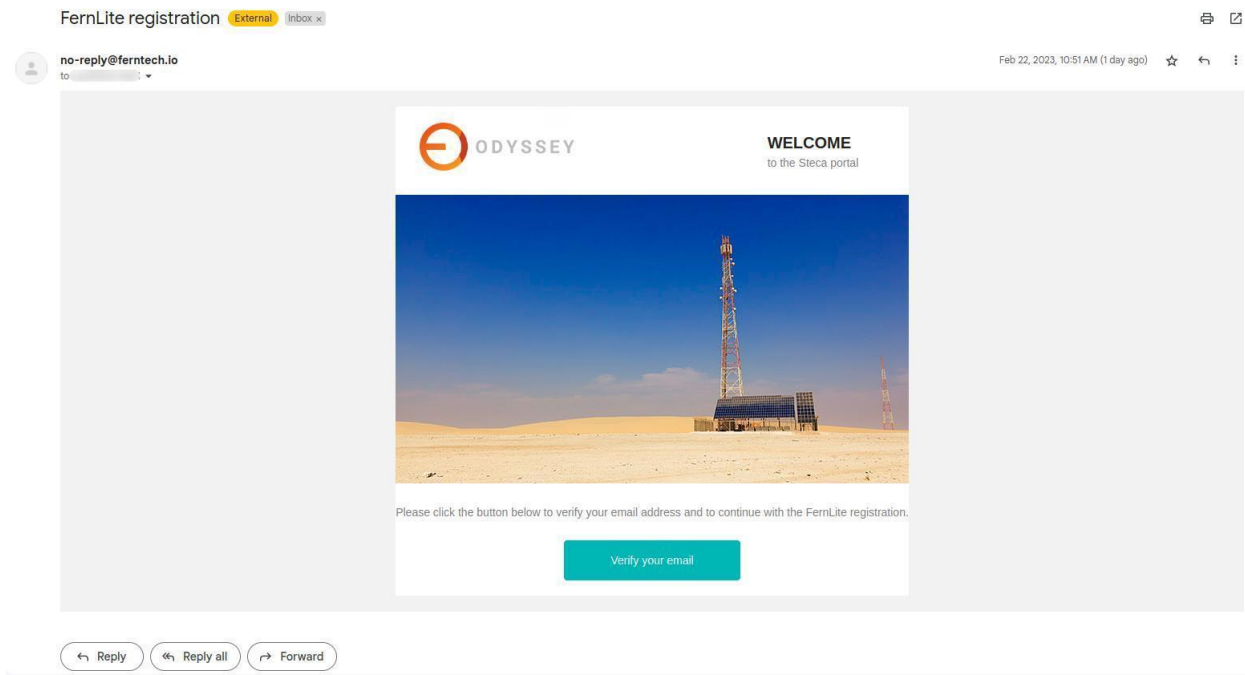


Figure 5: Enter information in the form to proceed with the registration process

## Step 6: Verify your account

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.

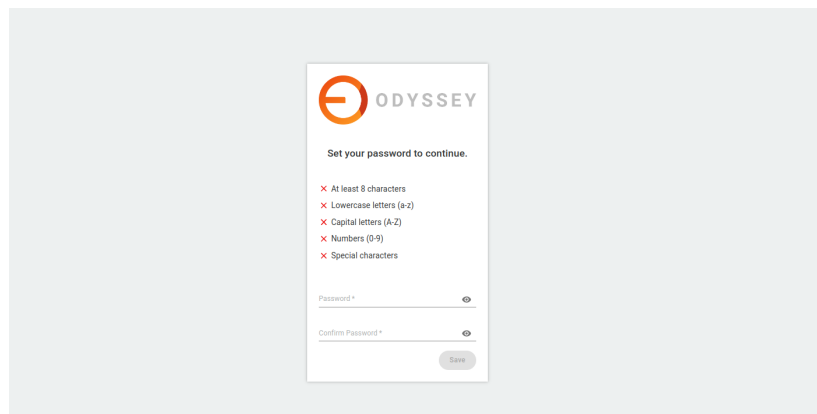
If you did not receive an email, check your spam mail. Please contact [fernsupport@odyssey.energy](mailto:fernsupport@odyssey.energy) if you cannot locate your verification email.



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

## Step 7: 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.

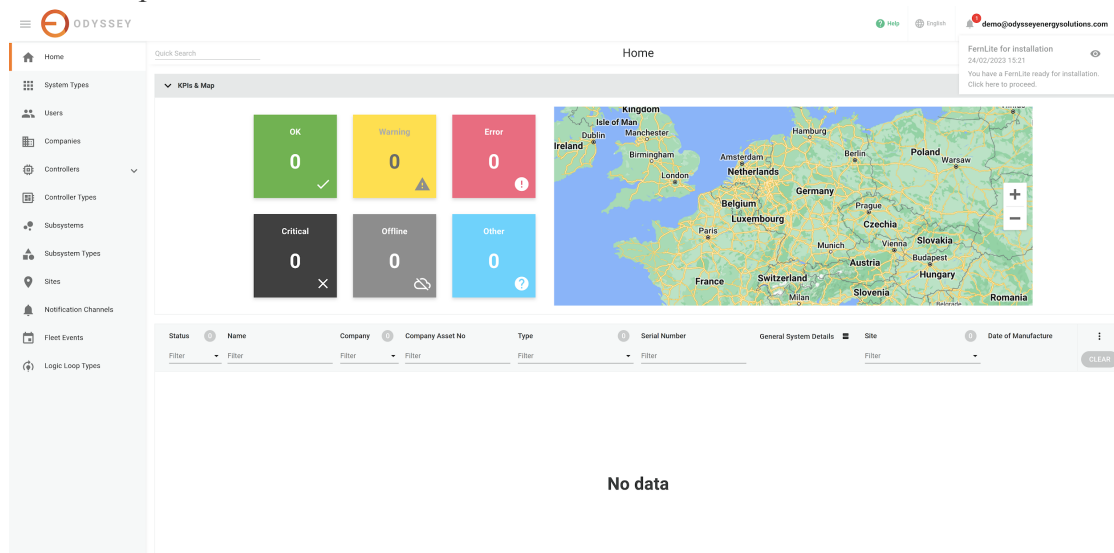


**Figure 7:** Set password after email verification

## Step 8: Log in

Use your email address and newly created password to login on the FernView portal  
<https://fernview.odysseenergy.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 9, or click on the bell icon on the top right of the screen to view the notification 'FernLite for installation' and proceed to step 10

## Step 9: Configure FernLite on the FernView platform

Once on the FernView portal the following steps need to be followed to install the FernLite device:

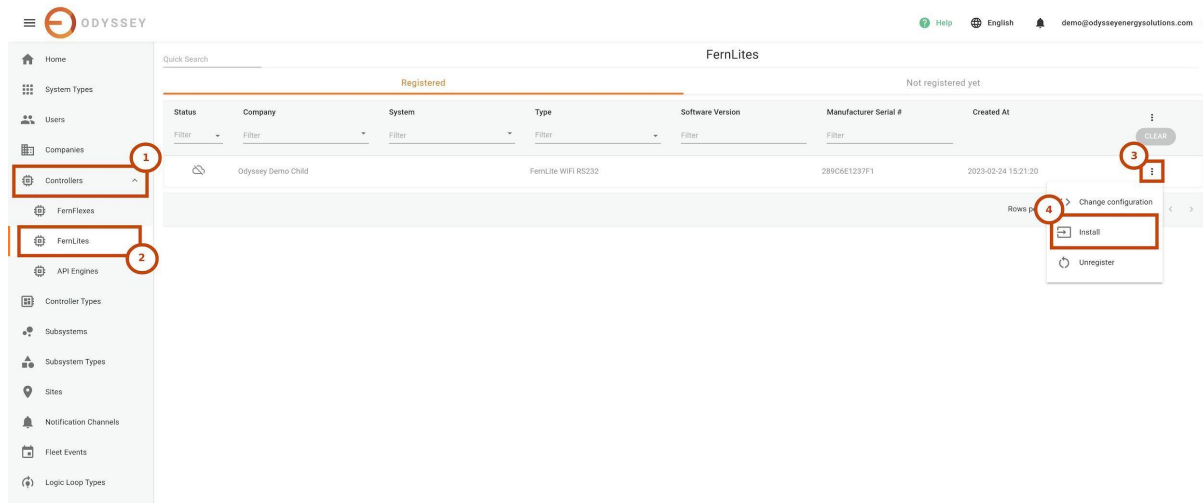
**Step 1:** Select 'Controllers' on the left side menu

**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.

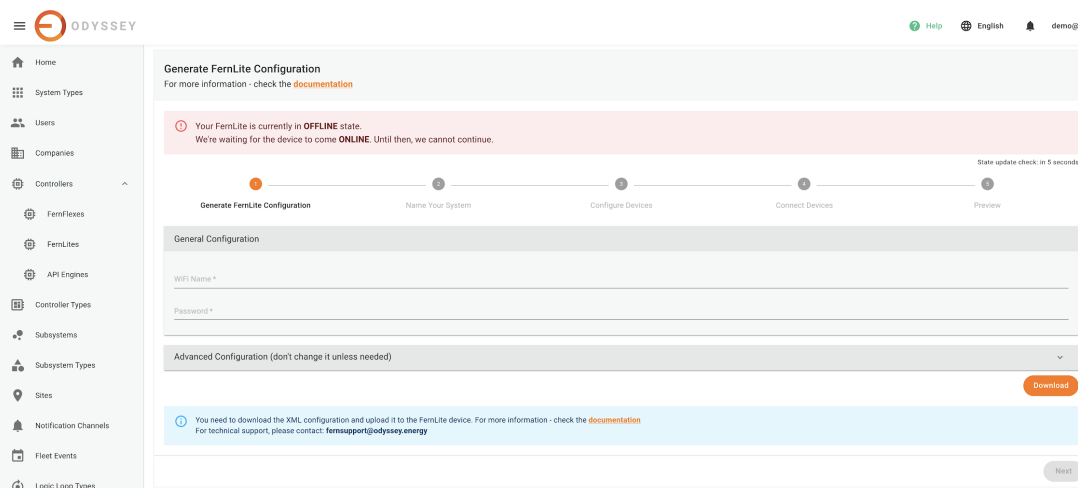


**Figure 9:** The steps shown in the image need to be followed to start the FernLite installation process

## Step 10: 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

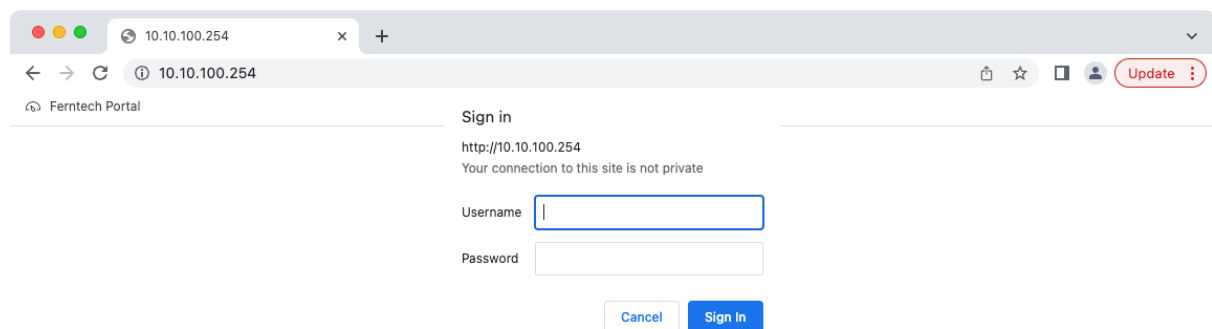
In order to set-up the FernLite device please follow the following steps:

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.

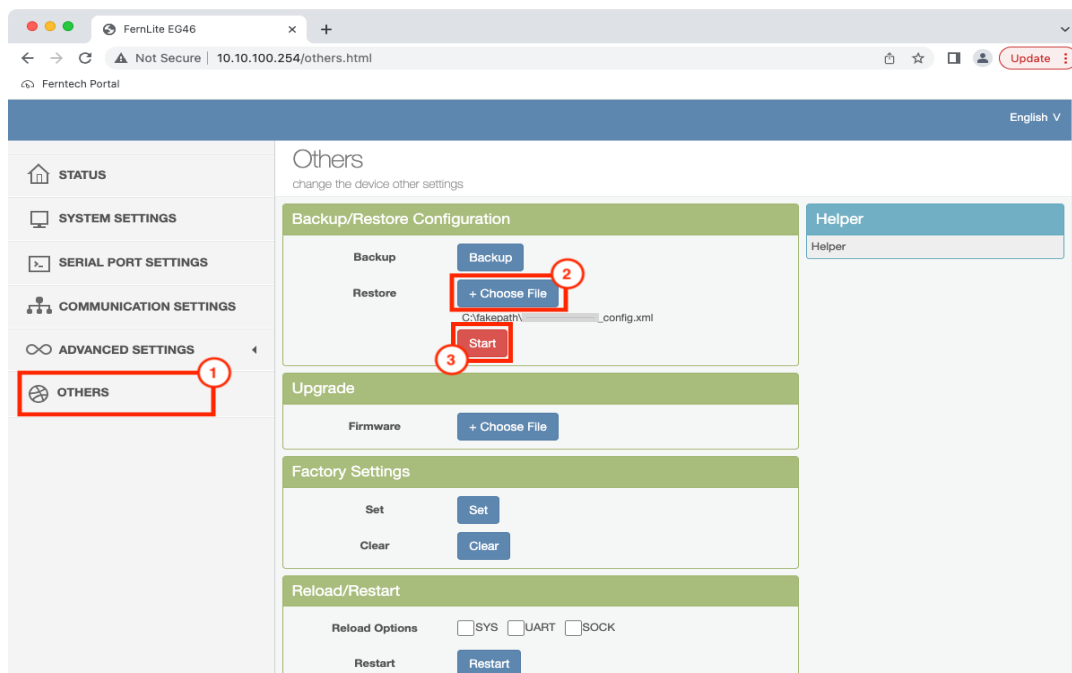
**Note: In case you are prompted for no internet connection, this is normal. Please ignore the warning and continue with the installation process.**

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



**Figure 12:** Signing in will take the user to the page shown in the image.  
 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).**

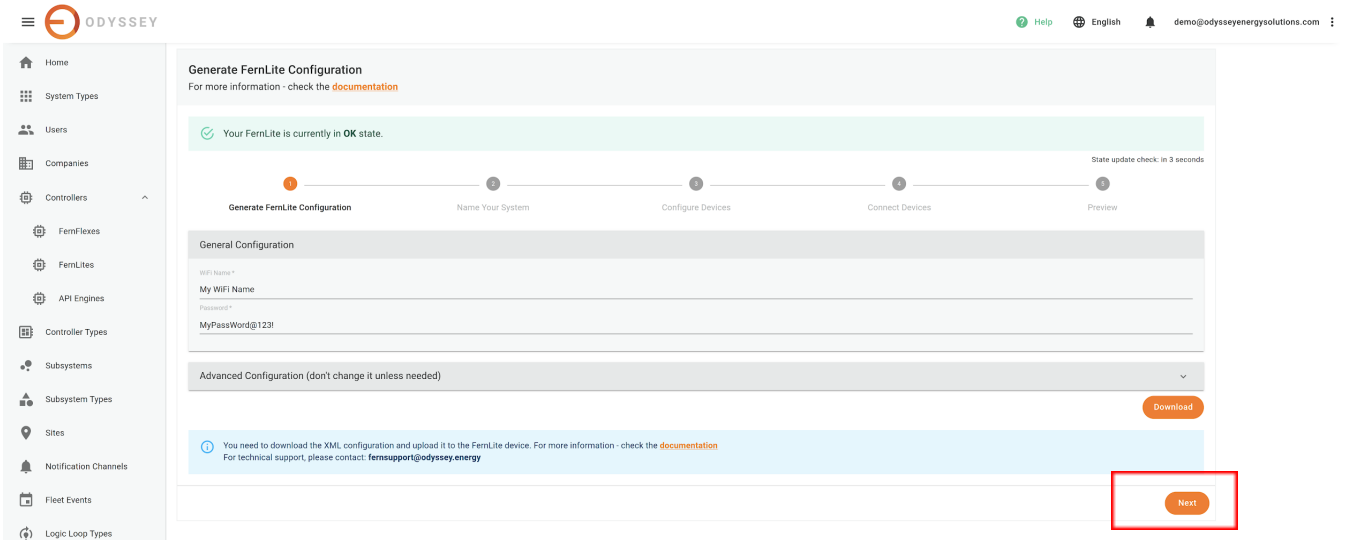
## Step 11: Continue FernLite installation

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. Once the FernLite is connected successfully you need to click on ‘Next’ to proceed with the installation

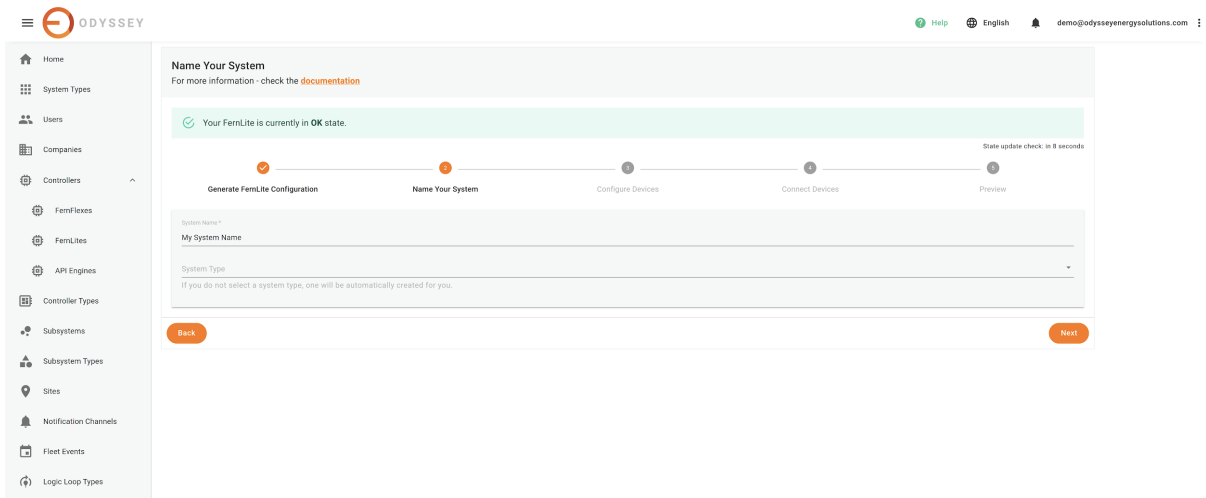


**Figure 13:** FernLite has been successfully connected to local network

## 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.**

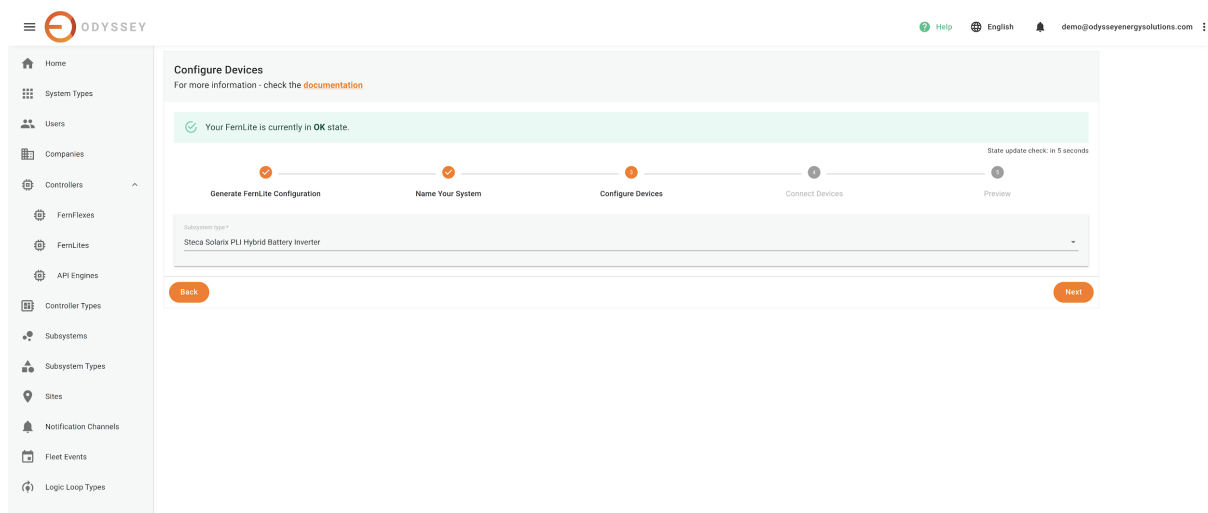


**Figure 14:** Name and system type should be added

## 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.**

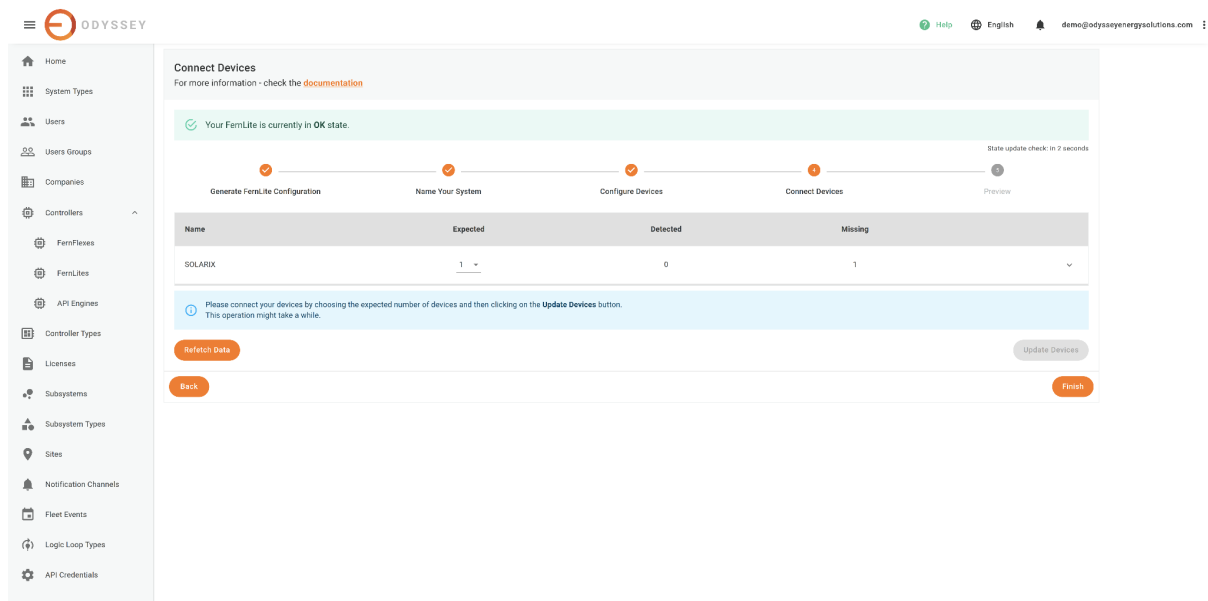


**Figure 15:** Select the right device type

## 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 .**



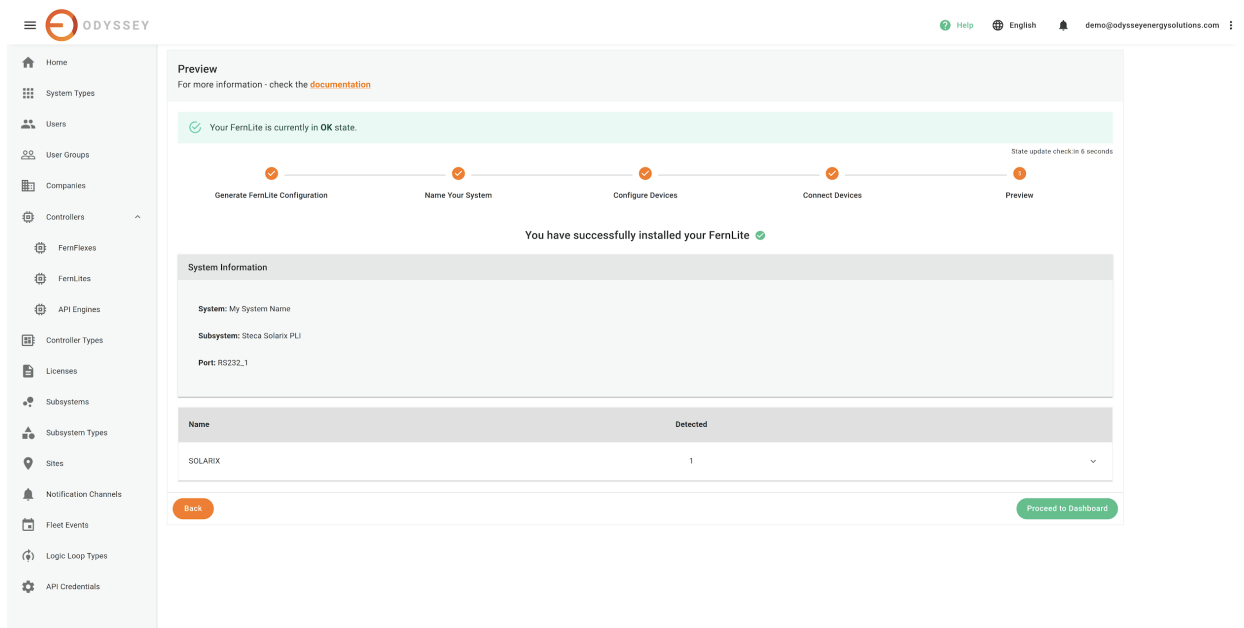
**Figure 16:** Information on connected devices, with the expected and detected number of devices

## 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*



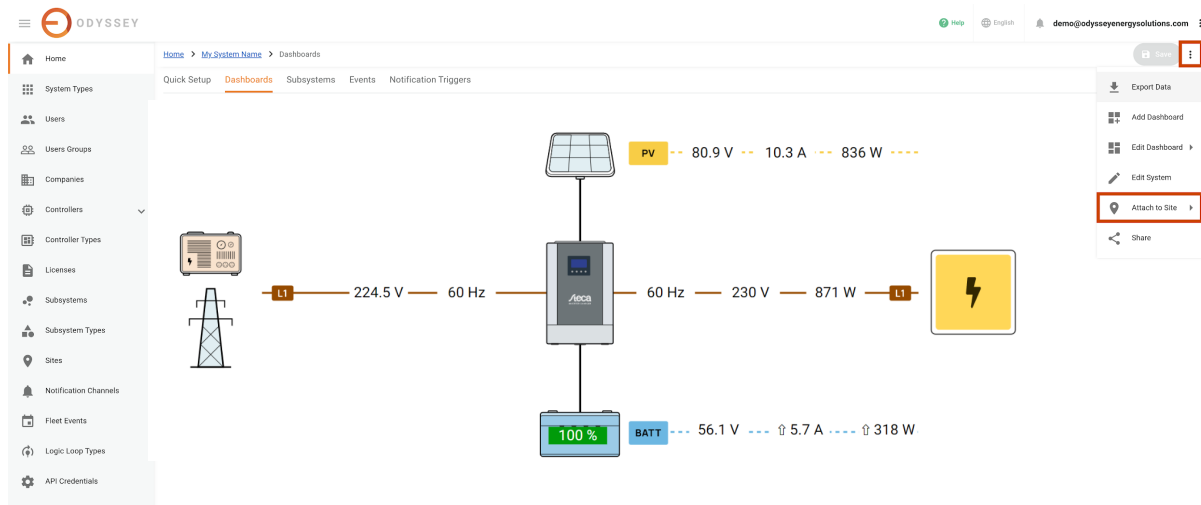
**Figure 17:** FernLite installation process completed.

## First steps in the FernView Portal

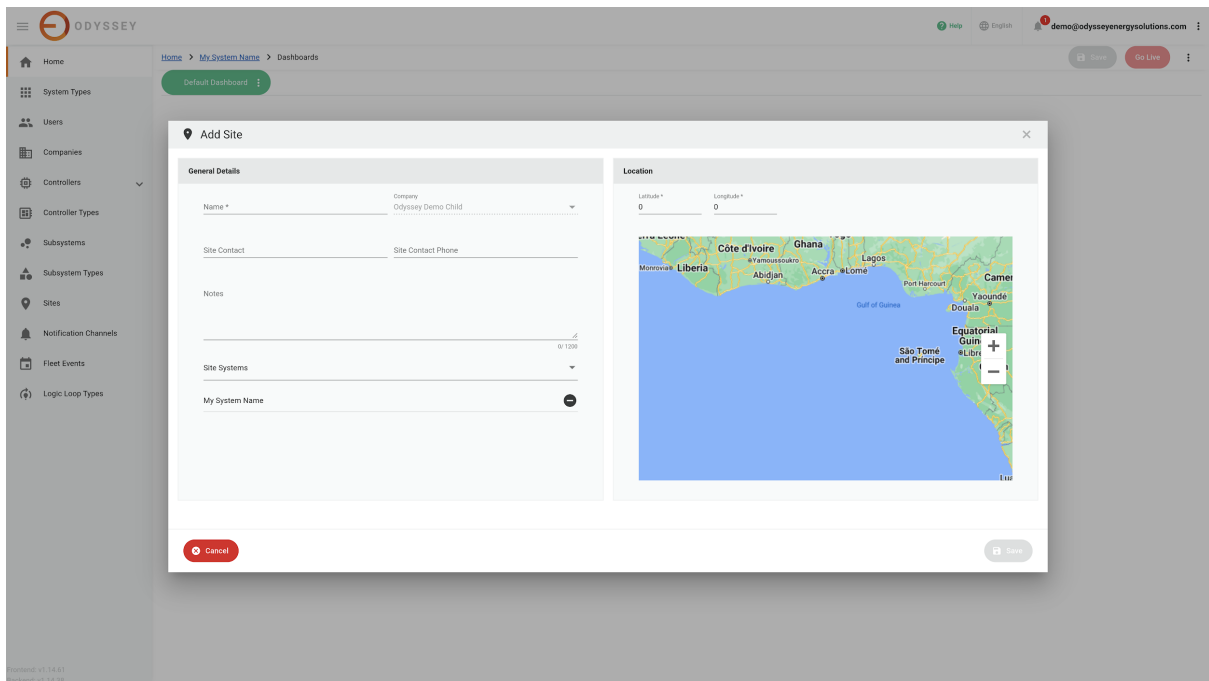
After you have finished installing the FernLite device, you will be taken to the FernView Dashboard.

### Add site location

- As a first step on the dashboard you have to set the location of your System
- To select location go to the three dots on the right side of the screen (as shown in the image) and select the option 'Attach to site'



**Figure 18:** Add site details from the FernView dashboard



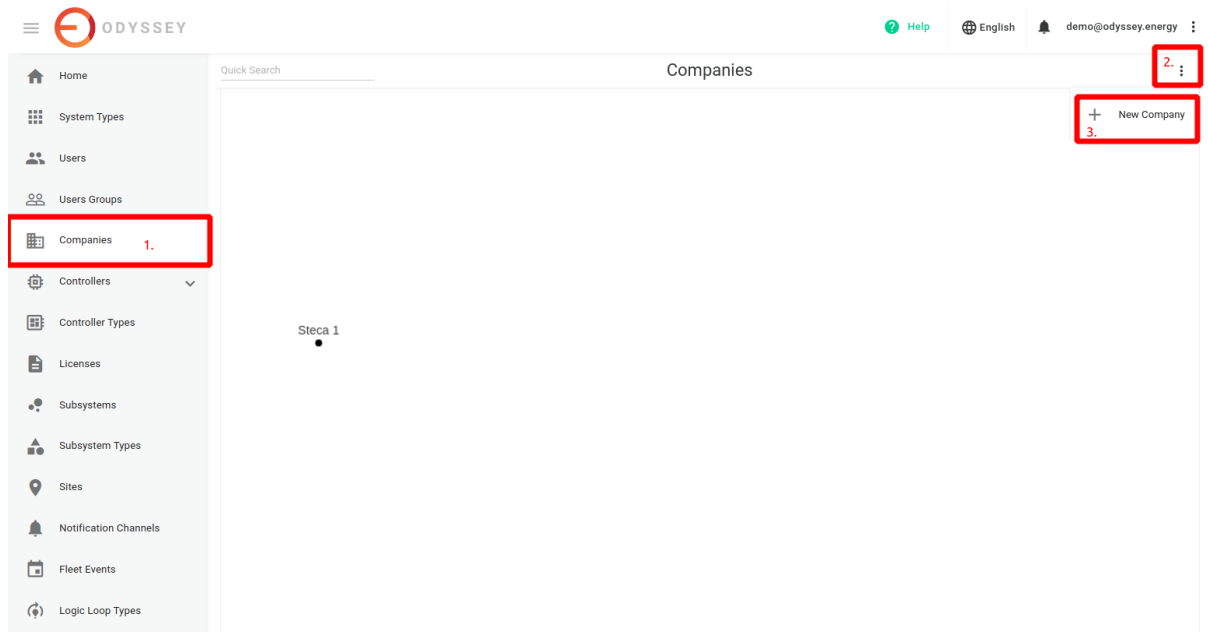
The screenshot shows the 'Add Site' form. It has two main sections: 'General Details' and 'Location'. The 'General Details' section includes fields for Name (filled with 'Odyssey Demo Child'), Site Contact, Site Contact Phone, Notes, Site Systems, and My System Name. The 'Location' section includes Latitude and Longitude fields (both filled with '0') and a map of West Africa. The form has 'Cancel' and 'Save' buttons at the bottom.

**Figure 19:** Enter site information, including latitude and longitude

- Fill in all the information required on the form:
  - Name* - name your site
  - Company* - automatically filled it
  - Site contact* - mention the name of the contact person at the site
  - Site contact phone* - mention the number of the contact person at the site
- It is important to enter the latitude and longitude of your location.

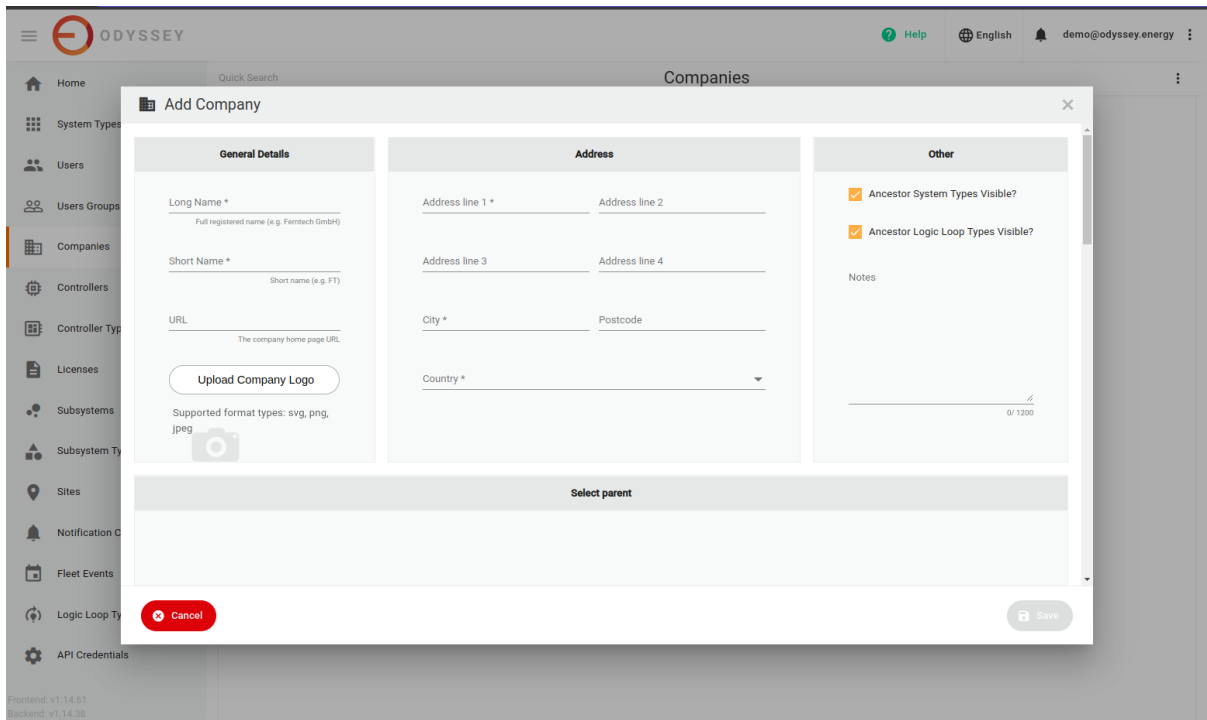
## Add a new child company in your hierarchy

1. Click on '**Companies**' link in the side menu
2. Click on the three dots menu on the top right side of the screen
3. Click on '**New Company**'



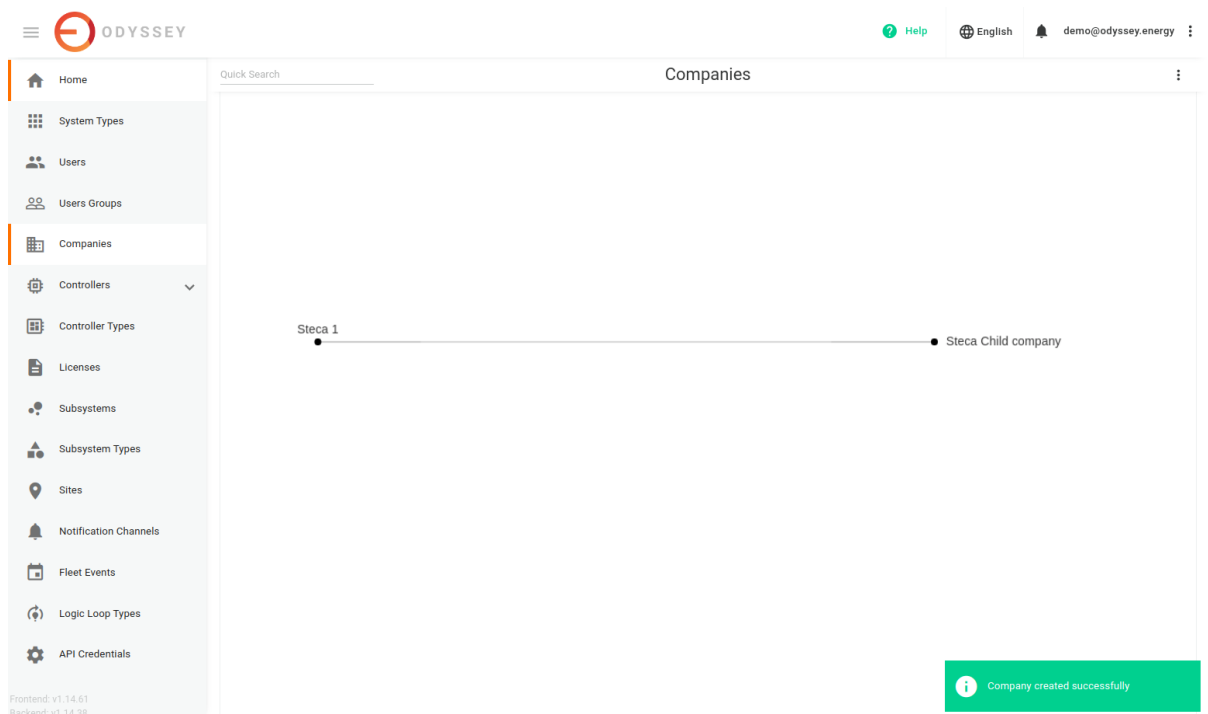
**Figure 20:** Add a new child company in your organization

Then you need to provide details for the new child company:



**Figure 21:** Introduce new company information

After you populate the form and click on ‘Save’ the page will look like this:



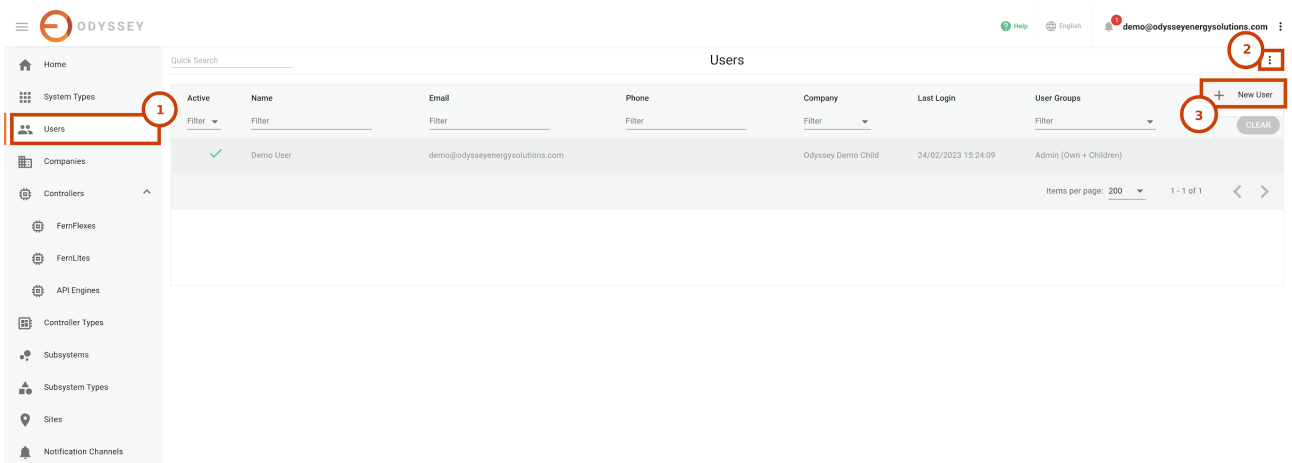
**Figure 22:** How parent and child companies are visualized

## Add new user to your new company

1. In order to create a new user click on the ‘Users’ (step 1 in the image) option on the left menu of FernView dashboard.

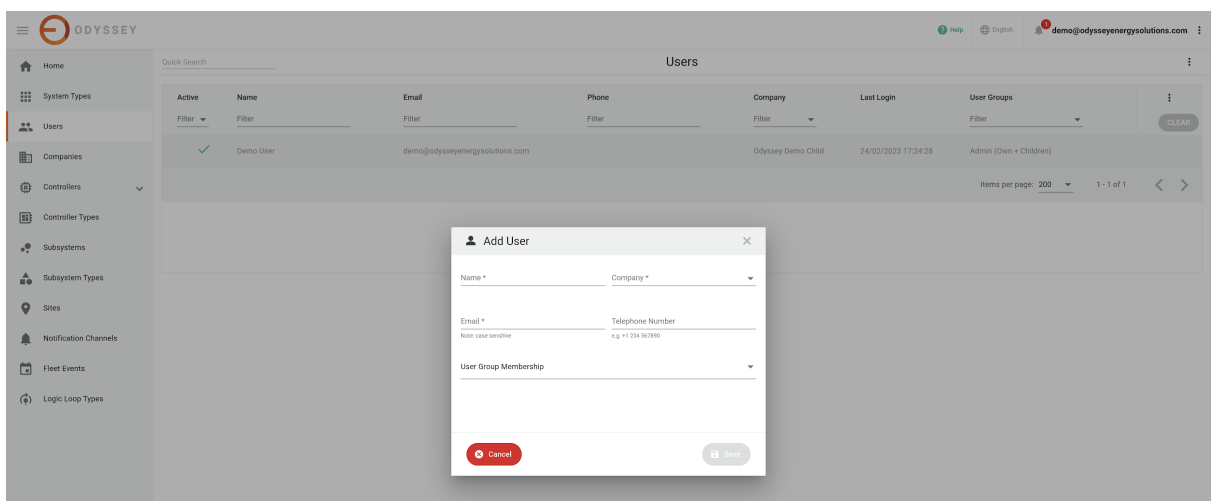
**Note: This page may take a few seconds to load.**

2. Next you need to click on the three dots menu on the right side of the page (step 2 in the image)
3. Click on the ‘New user’ option (step 3 in the image)



**Figure 23:** Add new user to access the site on FernView

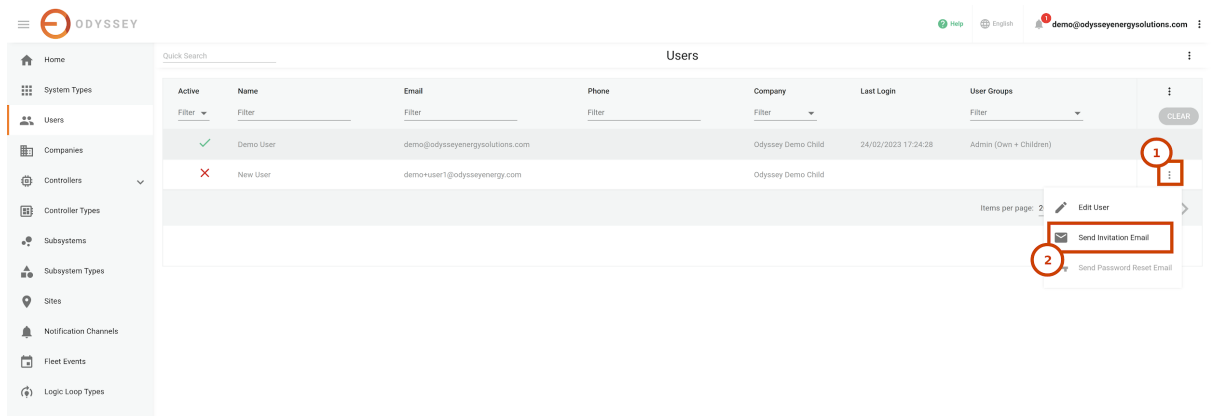
4. Enter the details of the new user



**Figure 24:** New user information to be added in the form

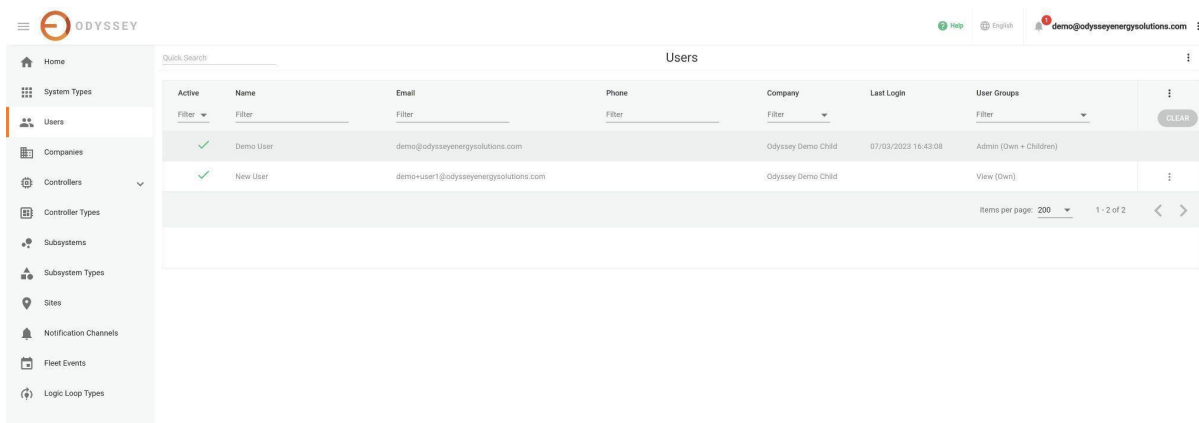
**Note: You need to specify your child company as a company of the new user.**

- The new user should now be visible under the 'Users' list. Note that the user is not yet active
- You have to send an invite to the new user by clicking on the three dots against their name and click on "Send Invitation Email" (as shown below)



**Figure 25:** New user invited to the portal through invitation

- The new user will now receive an email which they can verify. Once verified, the new user will be active on the portal

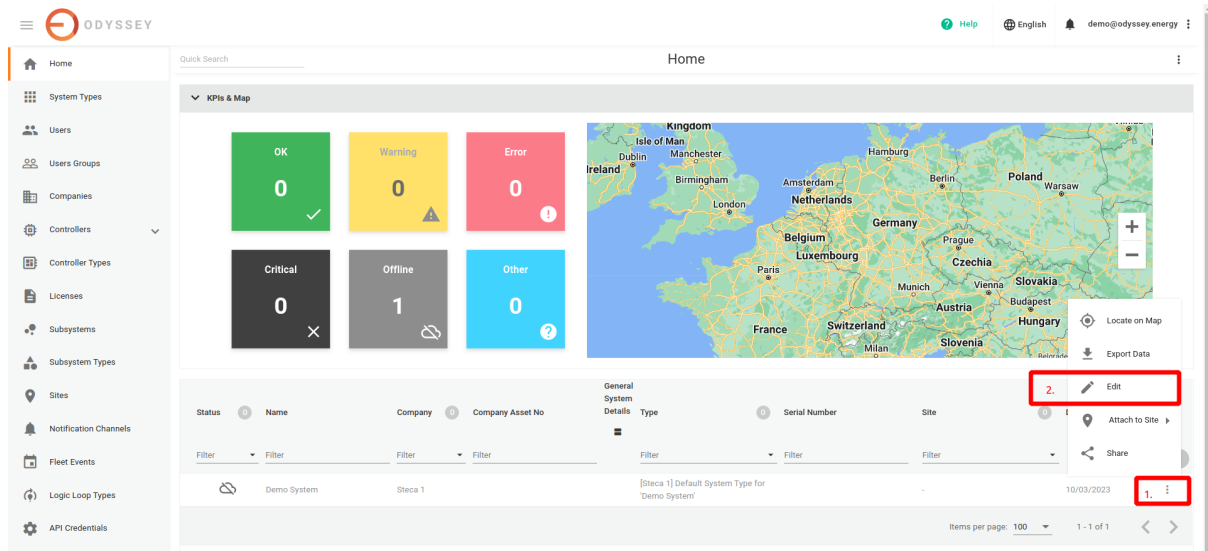


**Figure 26:** New user active on the FernView platform post email verification

## Transfer System to the user's company

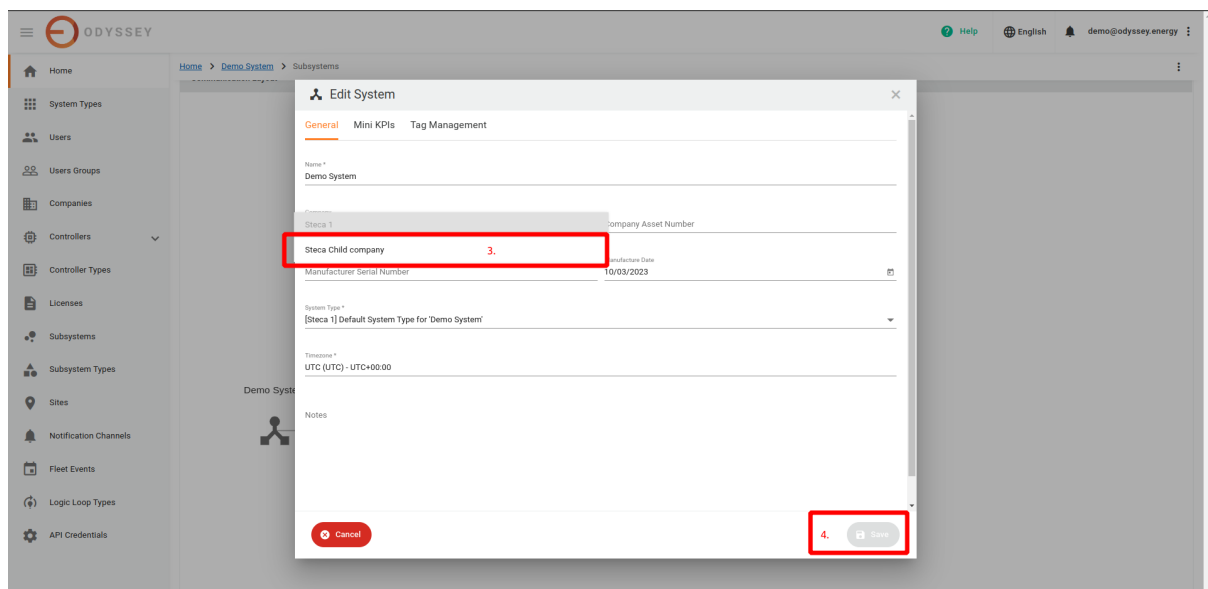
Open <https://fernview.odyssey.energy/system/list>

1. Click on the three dots menu on you system
2. Click on 'Edit'



**Figure 27: How to edit system details**

3. Choose your child company
4. Click on 'Save'



**Figure 28: Change system ownership wil selecting the right company**