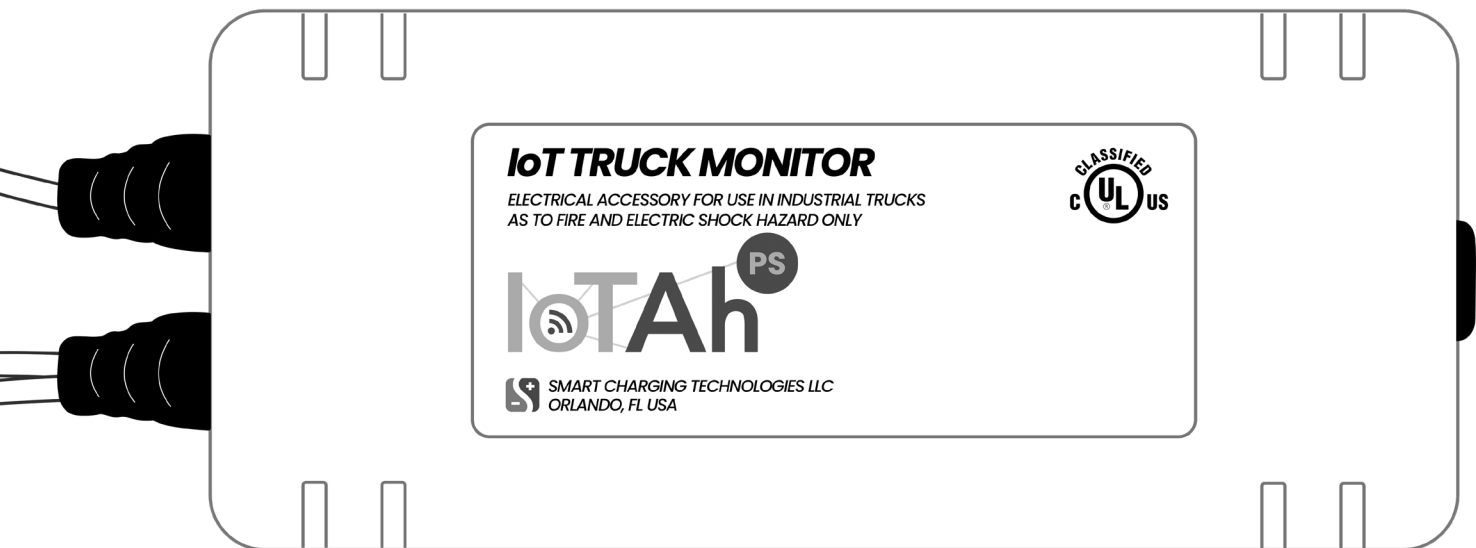




Power Studies Devices Walkthrough – Smart Telematics App



Installing IoTah-PS for Power Studies

Before launching a power study, make sure your IoTah-PS device is correctly installed on the target forklift.

IoTah-PS is a power monitoring device that captures real-world operational data directly from the forklift — including voltage, current draw, and runtime. The data is used to size batteries accurately, identify high- and low-usage patterns, and inform energy planning.

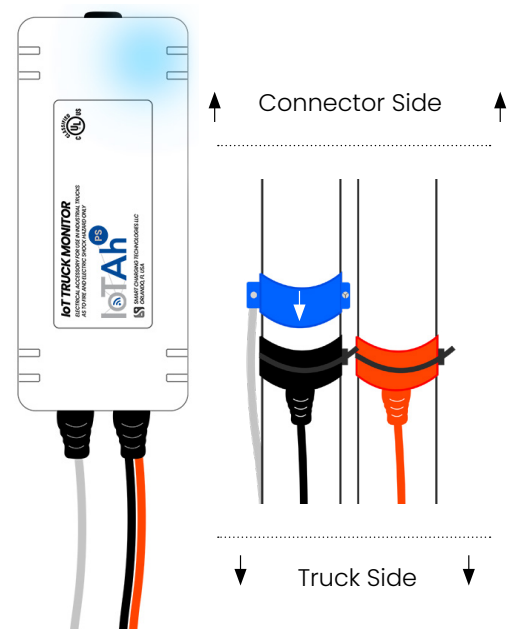
Each IoTah-PS unit must be physically installed on the forklift prior to creating a power study in Smart Telemetrics.

Installation Overview

1. Clamp the voltage leads to the forklift's battery terminals (positive and negative).
2. Install the Hall Effect current sensor around the negative battery cable, with the arrow pointing toward the truck.
3. Mount the device securely to a clean surface on the exterior of the forklift, near the battery compartment.
4. Power on the forklift and verify the LED indicators are active.

Need a step-by-step installation guide?

Download the latest [IoTah Forklift Installation Guide](#) or watch our [IoTah PS setup video demo](#).



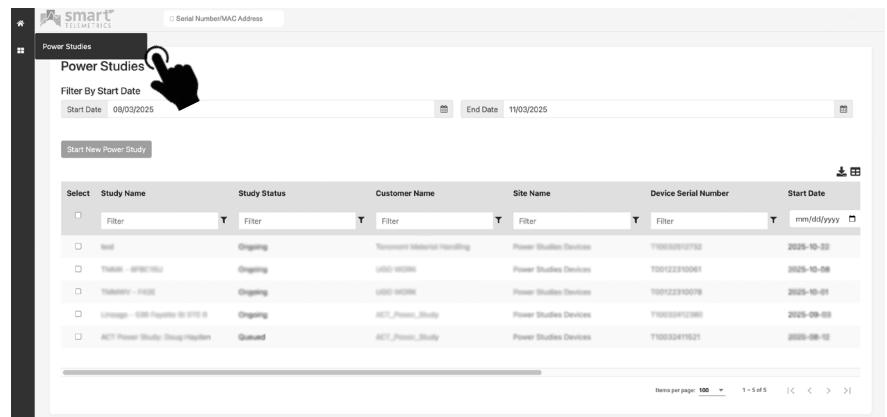
Viewing Power Studies Across Different Levels

1. View All Power Studies on the System

The user can view a list of their power studies across the system by opening [Power Studies page](#) from the main menu.

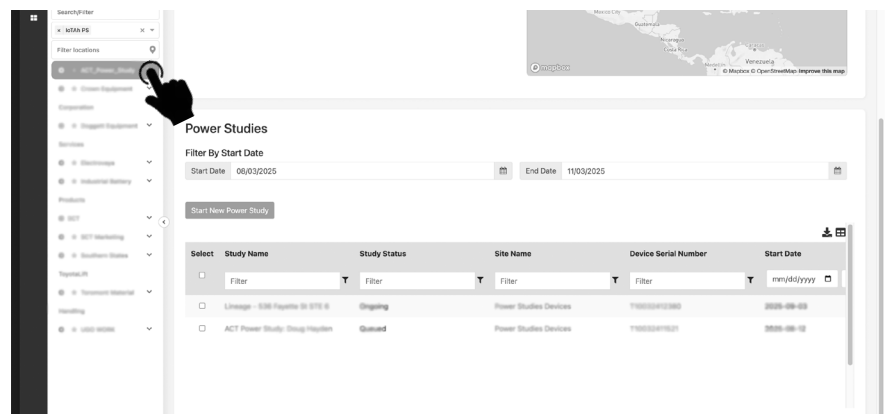
After selecting Power Studies from the menu, the page displays a list of all the user's power studies on the system. Each entry shows its status, associated customer and site, start date, end date (if completed), and consumed energy in kWh and Ah.

The page also supports filtering and sorting to help users quickly find the desired entries.



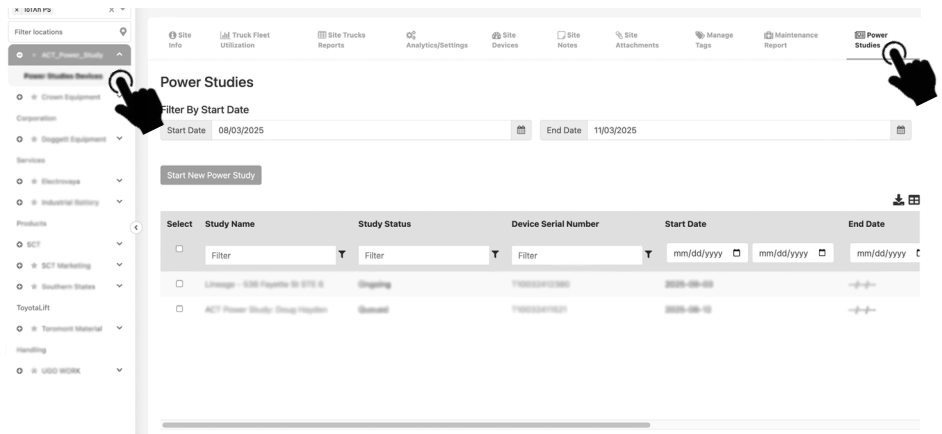
2. View Power Studies of a Customer

Click the customer name or company from the menu on the left and scroll down to the Power Studies section to view all power studies created for that customer.



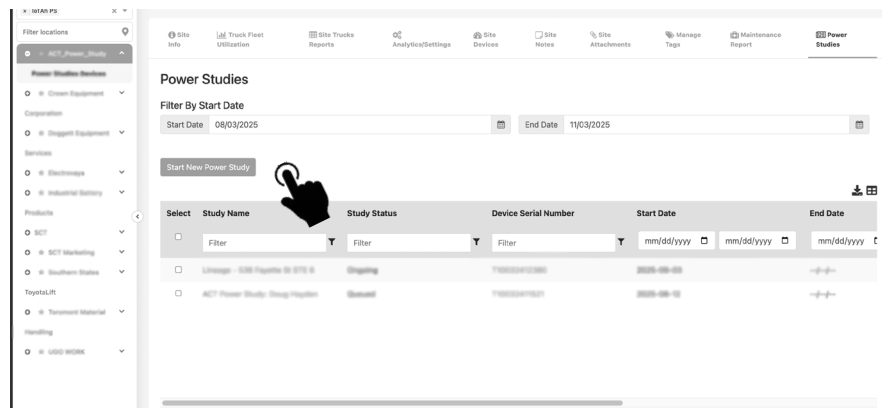
3. View Power Studies of a Site

Navigate to the Power Studies tab on the customer info page to view that customer's power studies, including the study name, status, date, and more.



4. View Power Study's Details

To view the power study data, click on any of the power studies listed in the previous views. You will see the study details along with graphical analytics of truck usage within the study scope.



Creating Power Studies

Before creating a power study, ensure that the selected IoTAh-PS device is properly installed on the target forklift and is showing an active status in Smart Telemetrics.

When creating a study, you can provide the following information if available:

Device Info Page:

- Truck ID
- Truck Serial Number
- Truck Manufacturer
- Truck Manufacturing Year
- Truck Type

Battery Settings Page:

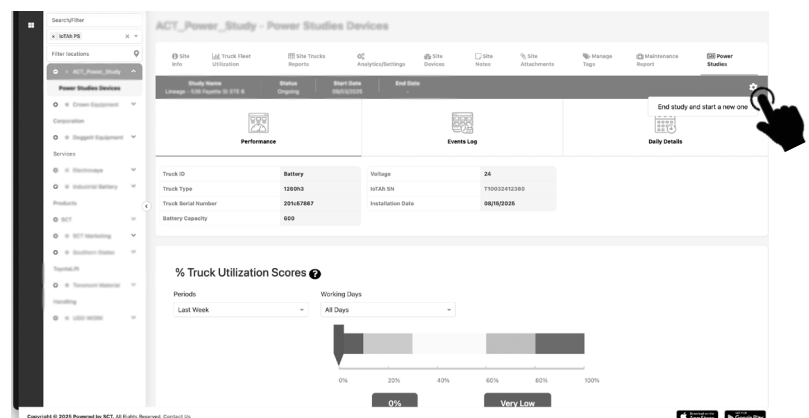
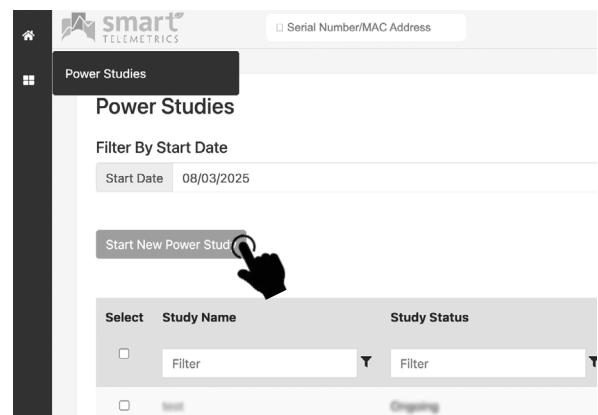
- Nominal Battery Capacity
- Battery Type
- Number of Cells

1. Create a Power Study from the Lists

On the Power Studies page, click the “Start New Power Study” button to create a new study. This opens a dialog where you can enter the study details and select from devices available for power studies on the system.

Please note: Starting a new power study while another is ongoing will automatically finish the ongoing study before starting the new one.

You can also start a new study from the power study details page by clicking the settings gear icon on the right, which allows you to end the ongoing study and begin a new one.

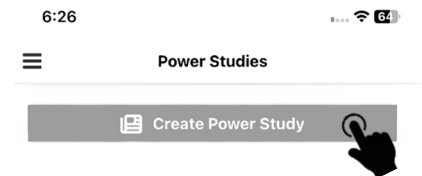
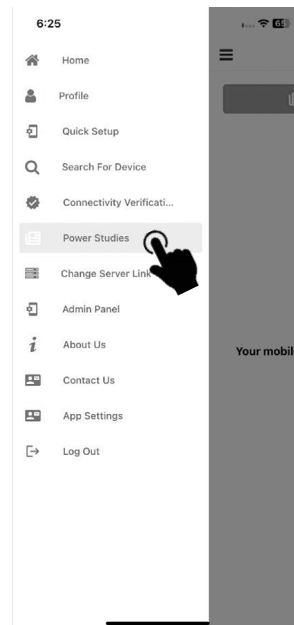


2. Create a Power Study from the Mobile App

Make sure you have the Smart Telemetrics App downloaded on your mobile phone.



1. Open the Power Studies page from the left main menu.
2. Click the Create Power Study button at the top of the page.
3. Scan the IoTah device QR code (ensure the device you want to use is turned on and connected).
4. Enter the study name and select the customer and site.



Thank You for Choosing Smart Charging Technologies

If you have a question about your IoT@h PS device, contact us by phone or through the Smart Charging Technologies website.

Contact Information

USA/Canada Number: +1 (321) 325 0350

Website: www.smartchargetech.com

Email: info@smartchargetech.com
