

### Download Software

Download the Nergy Sense Sensor Support Installation File from:

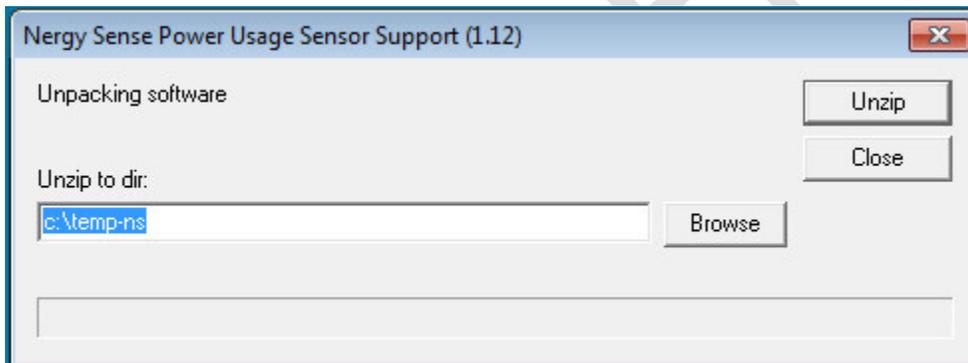
<http://www.nergysense.com/download/NSSensorSupport.exe>

Locate the downloaded file on your computer, and double-click to run



### Install Downloaded File

The Unpack dialog will appear



Click 'Unzip' to continue.

Windows Installer will launch automatically, and determine if your PC needs any additional support software to run the application.

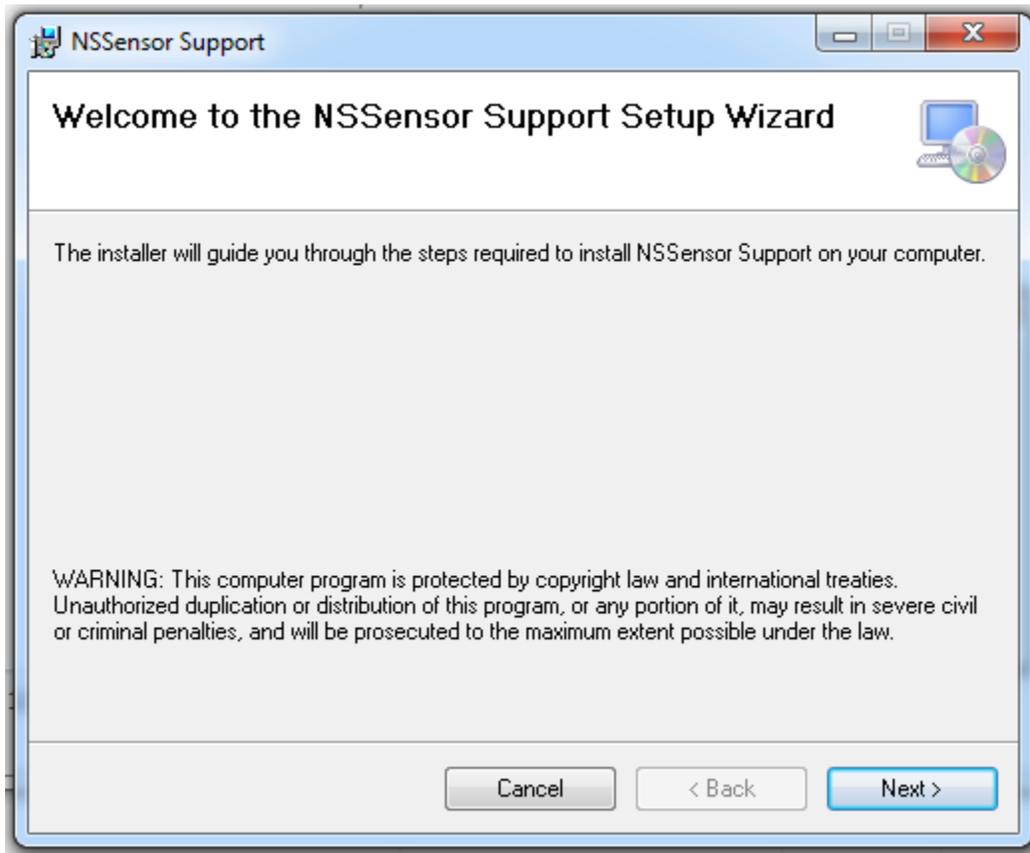
**Note: In many cases, Windows Installer will download and install Microsoft .Net Framework Version 4.5. This step requires an Internet connection, and it may take several minutes to complete. Follow the directions as displayed on your PC to complete this installation.**

After supporting software is installed, your system may request that you restart. Restart and continue with the installation

## Sensor Support Software Installation Notes

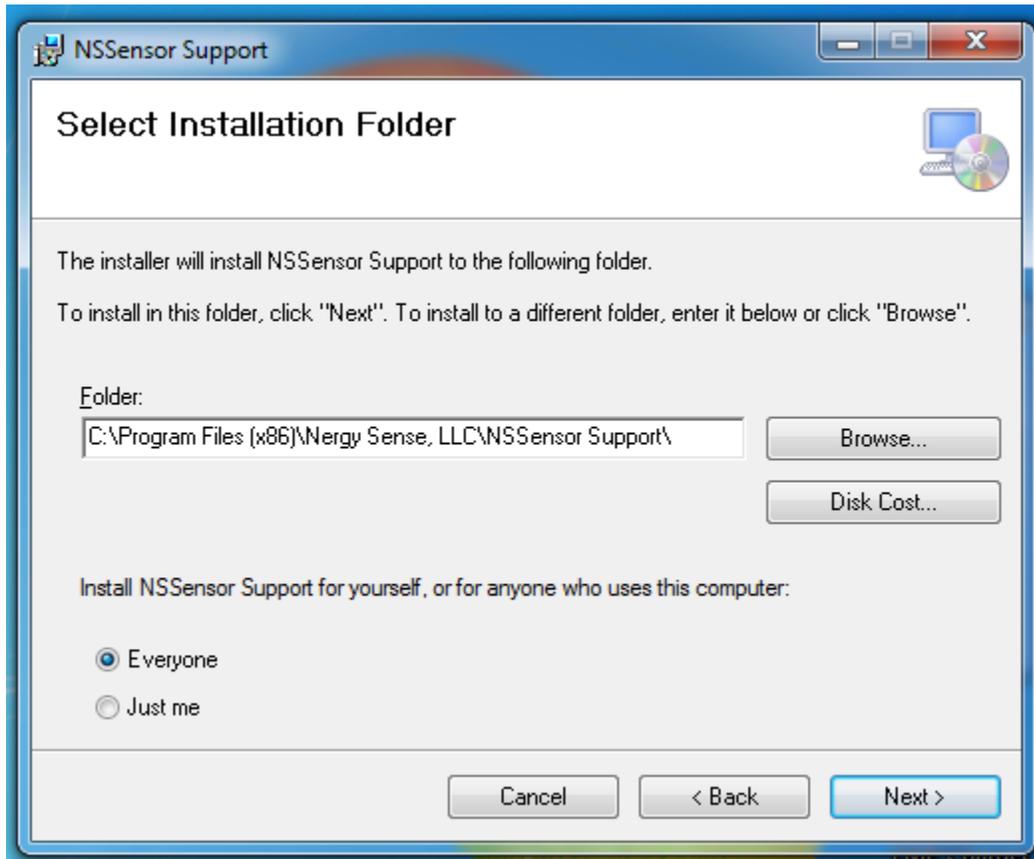
Note: If, on restart, the following Installation dialog does not appear automatically, repeat the first step. Windows Installer will determine that the requirements have been met, and will continue with the software installation.

The Nergy Sense installation dialog will appear:

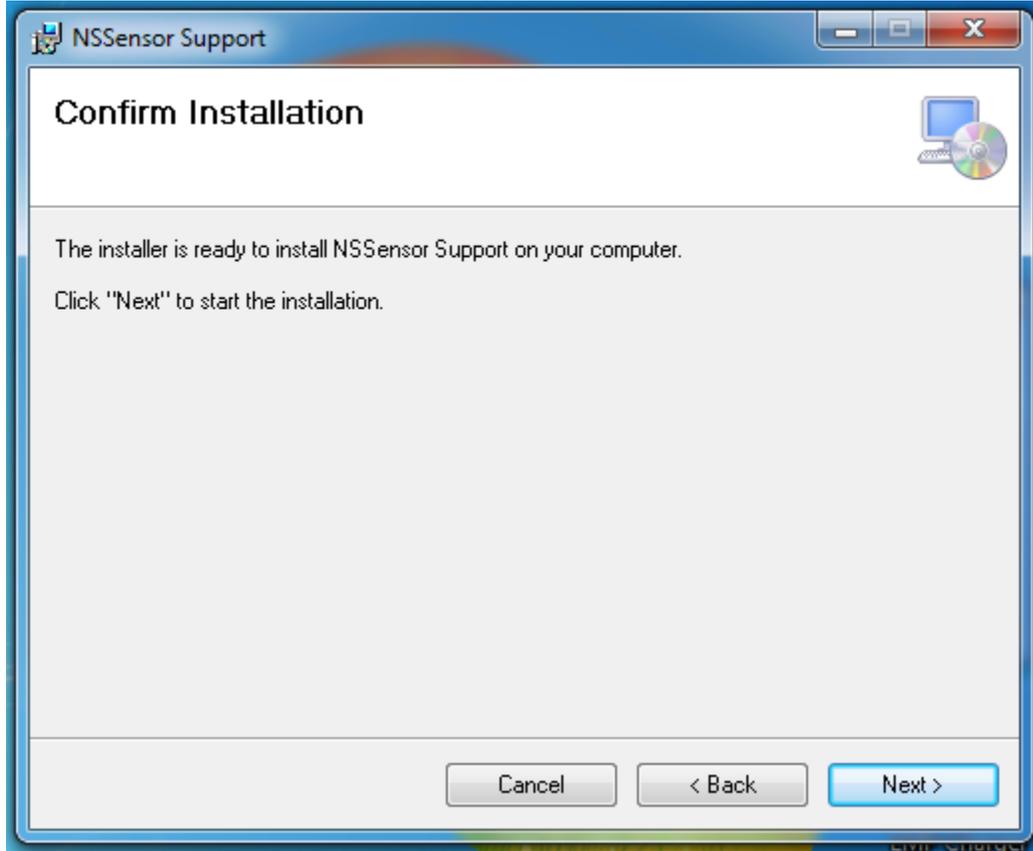


Click 'Next' to continue.

The Installation Folder dialog will appear.

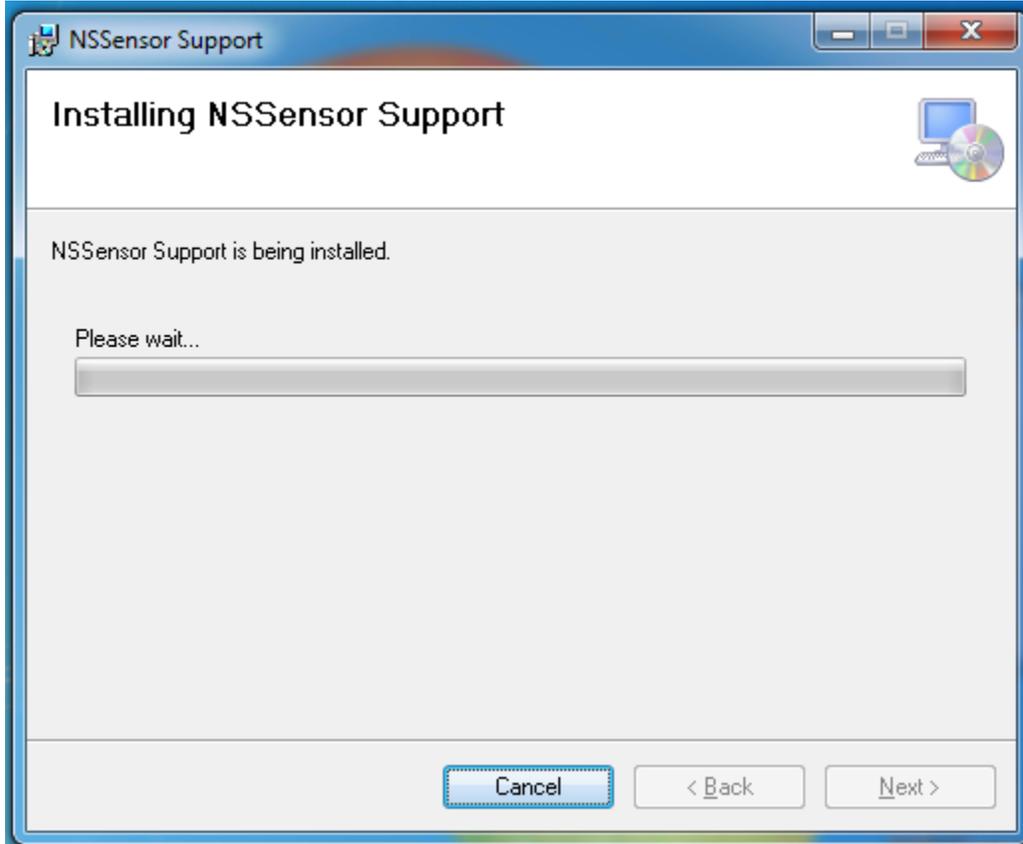


It is recommended that you leave all fields as they are. Click 'Next' to continue. The confirmation dialog will appear.

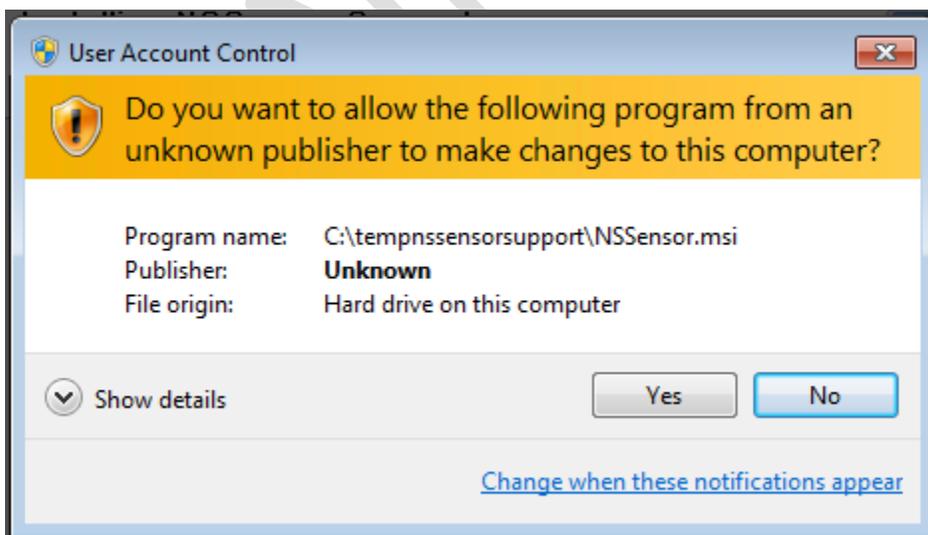


Click 'Next' to proceed with installation.

The Progress dialog will appear



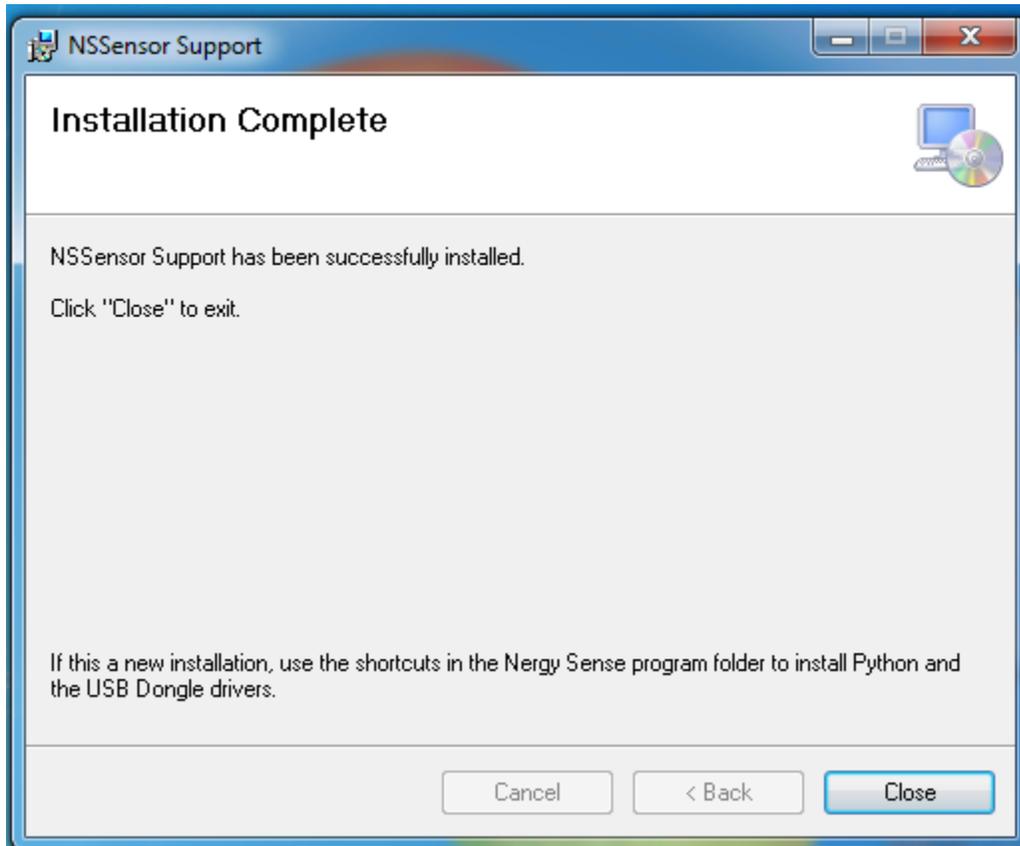
Depending on your computer's security configuration, you may be asked to confirm installation



Click 'Yes' to continue.

## Sensor Support Software Installation Notes

On completion, a Confirmation dialog will appear



Click 'Close', and then 'Close' on the Unpacking dialog – which remains open during installation.

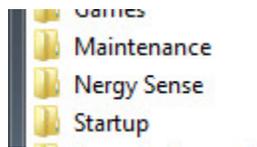
*If you are upgrading an existing installation, you are done. If this is a new installation, continue with the following steps*

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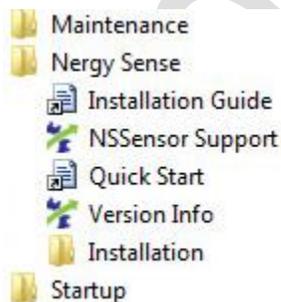
For first time installations, USB communications dongle driver and python software must also be installed. Use the following steps to perform those installations.

### Install Python Support Software

Now, click the 'Start' button on your PC, and then 'All Programs'



Find the 'Nergy Sense' Program Group, and then click to open it:



Click on 'Installation' to expand the sub group:

Then 'Nergy Sense' and then 'Installation'



Install Serial Communications Support Software

Install USB Dongle Driver

**Do this one time. Upgrades to Nergy Sense software do not require this step to be repeated.**

The following steps are only required if you plan to use the PC to communicate with Nergy Sense Power Usage Sensors.

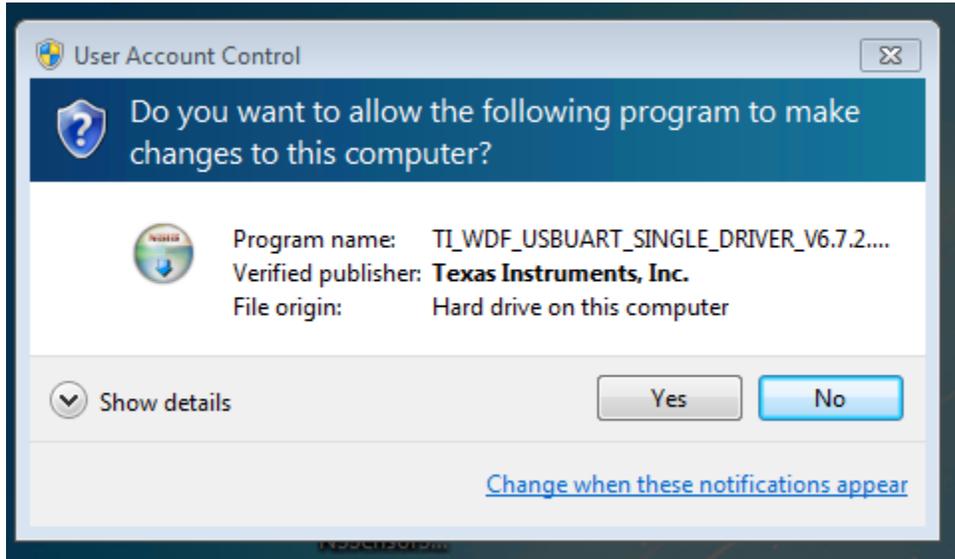
Now, click the 'Start' button on your PC, and then 'All Programs'

Then 'Nergy Sense' and then 'Installation'



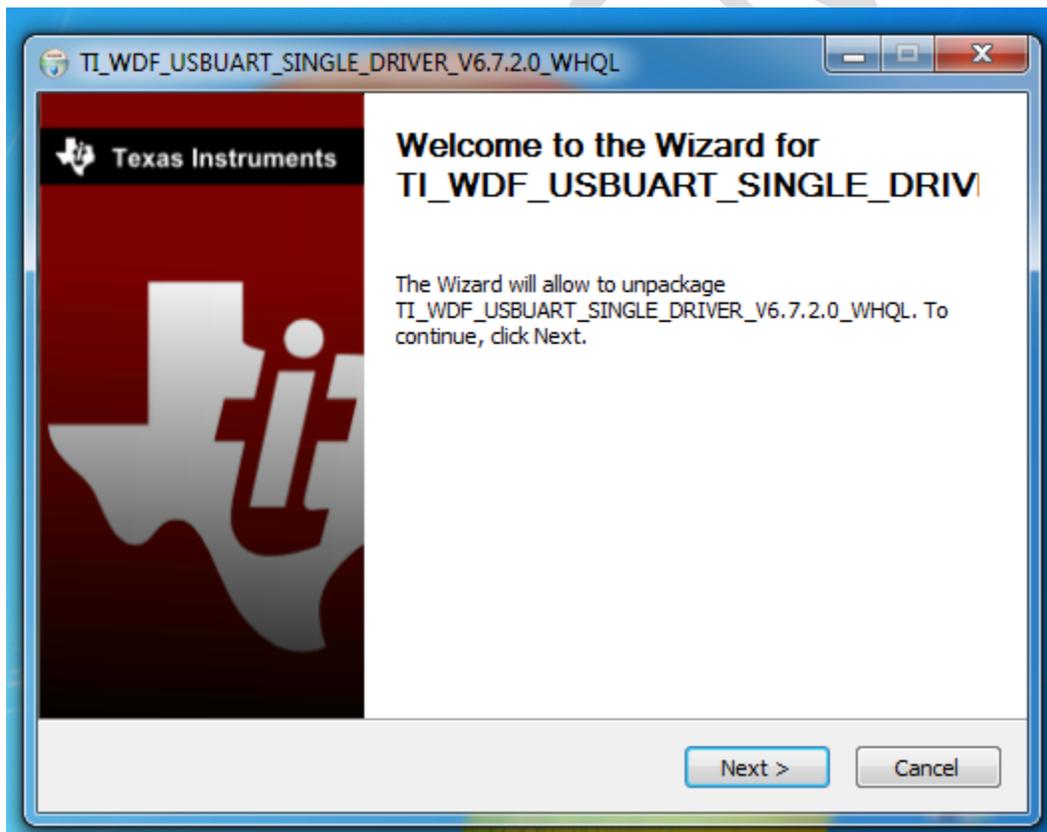
Click 'USB Communications Driver Install'

Depending on your PC configuration, you may be prompted to confirm the installation.

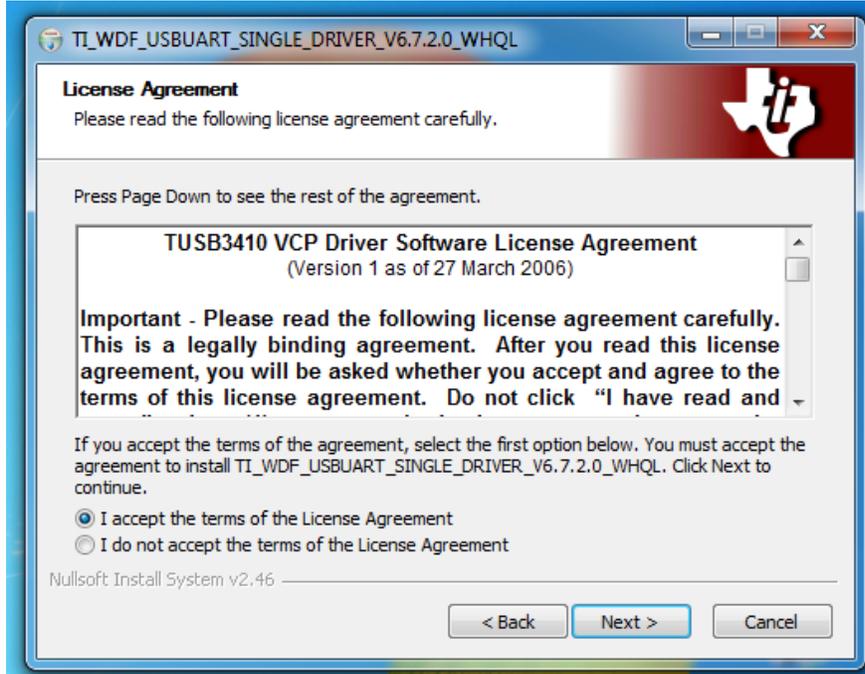


Click 'Yes' to continue.

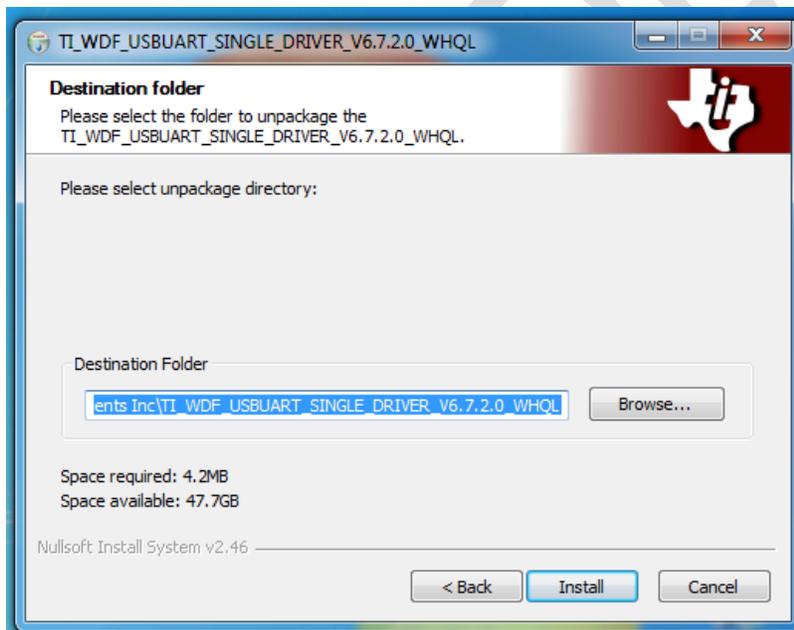
The Driver Installation dialog will appear



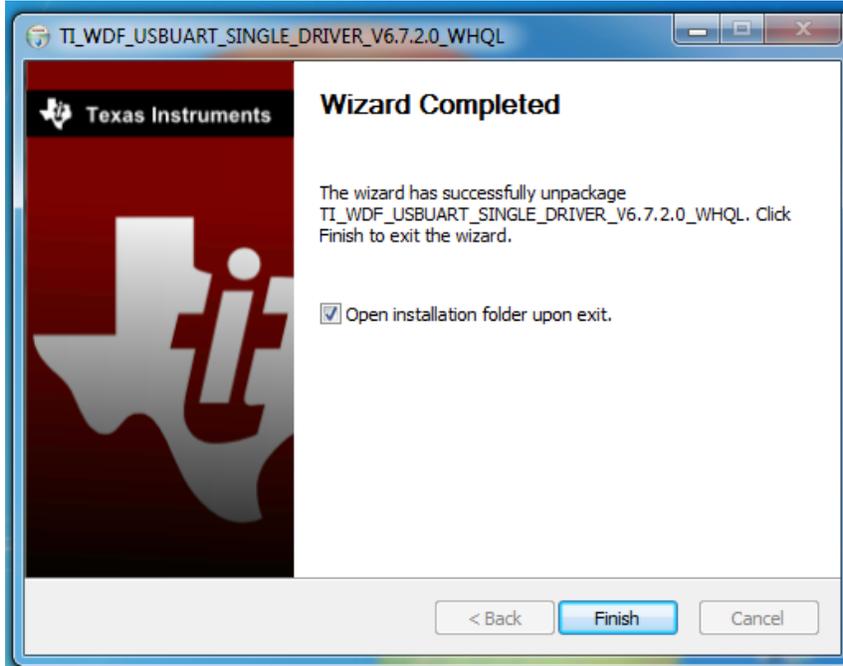
Click 'Next' to continue.



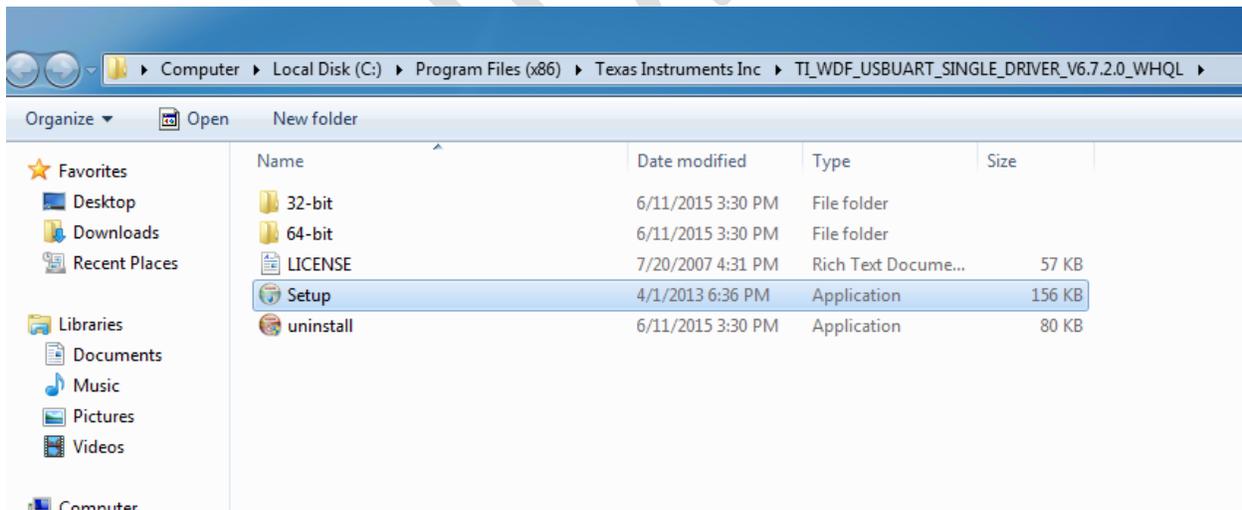
You must click 'I accept...' to continue Installation. Click the radio button, then 'Next' to continue.



Make no changes on this dialog. Click 'Next' to continue. Installation will occur, and the Finish dialog will appear

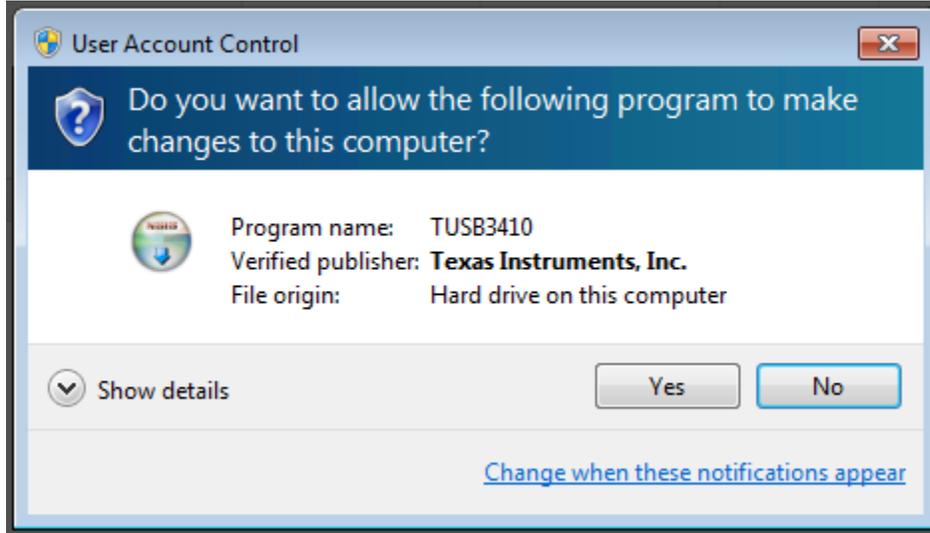


Do not change settings on this dialog. Click 'Finish' to close the dialog, and open the Installation folder.



In the folder dialog, double-click on 'Setup' to complete driver installation.

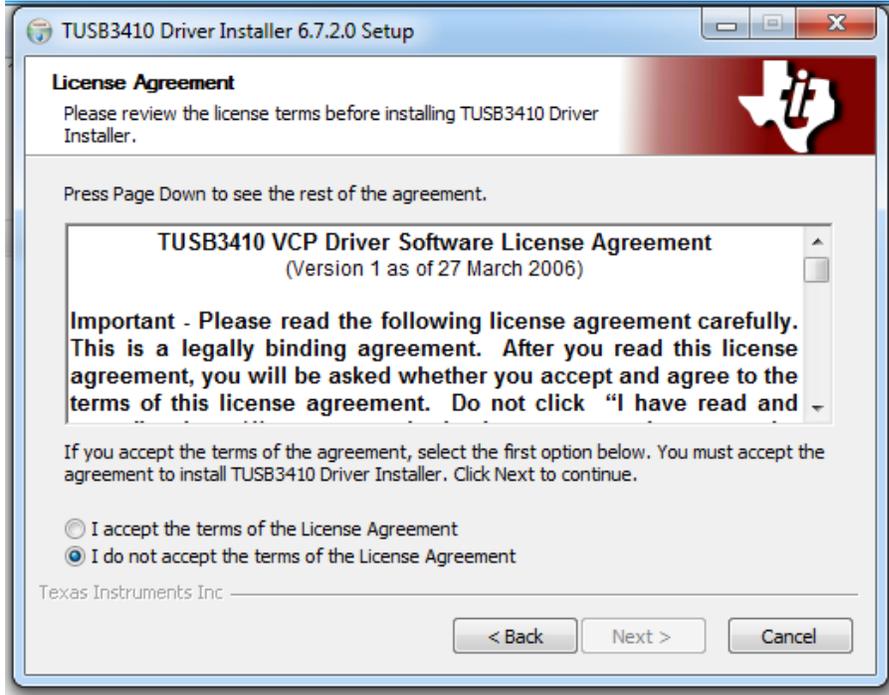
Depending on your system configuration, you may need to confirm installation.



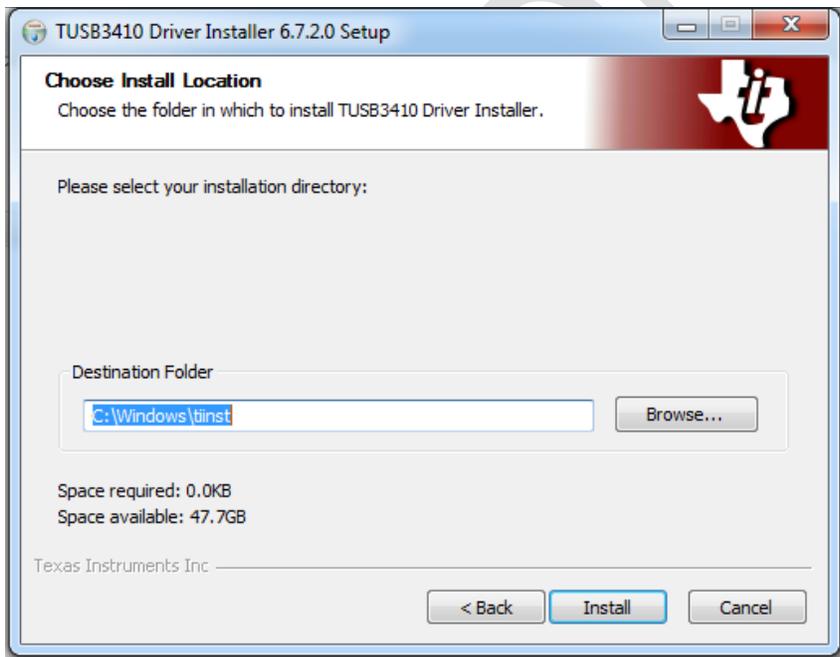
Click 'Yes' to continue.



Click 'Next' to continue.



You must click 'I accept...' before clicking 'Next' to continue.



Do not change settings on this dialog. Click 'Install' to continue. On completion, a dialog appears. Click 'Finish' to close, and then close the Windows Explorer where 'setup' is displayed.

## Sensor Support Software Installation Notes



CONFIDENTIAL

## Sensor Support Software Installation Notes

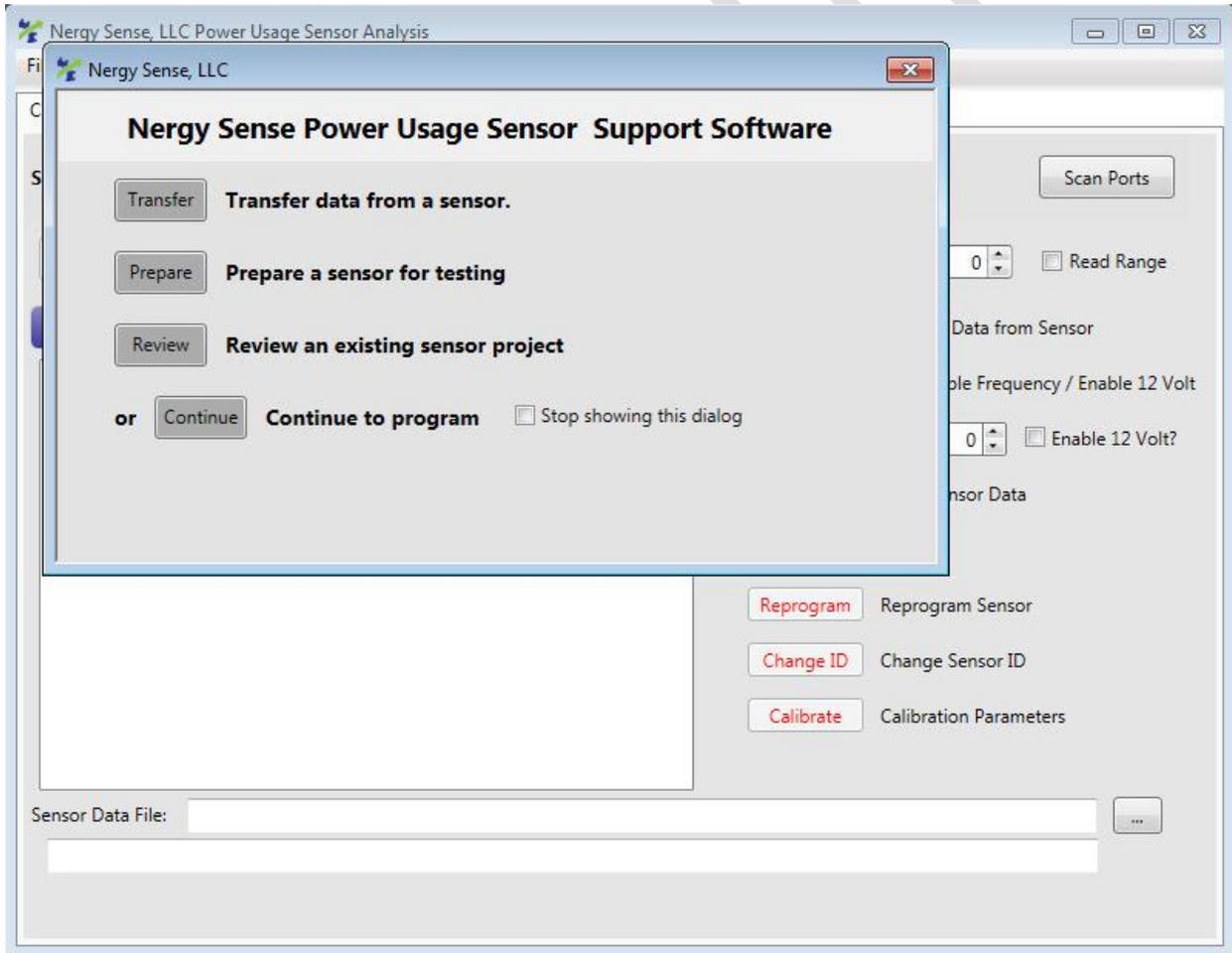
### Launch Nergy Sense Sensor Support Software

Plug your USB Communications dongle into a USB port on your PC, and wait about 60 seconds (Only necessary the first time you use the dongle. allows your PC to initialize the driver software)

Locate the Nergy Sense icon on your Desktop.

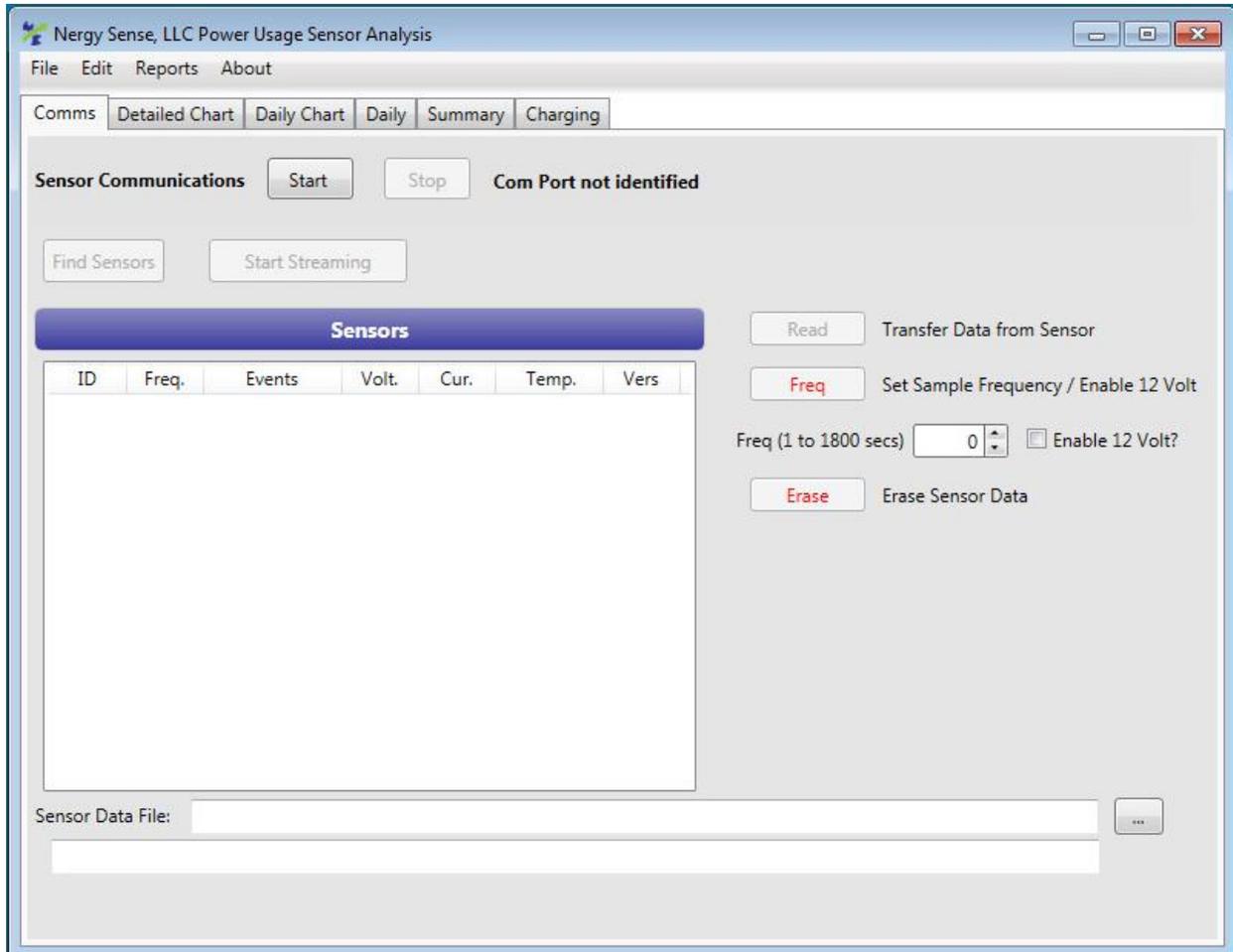


Double-Click to launch the program.



## Sensor Support Software Installation Notes

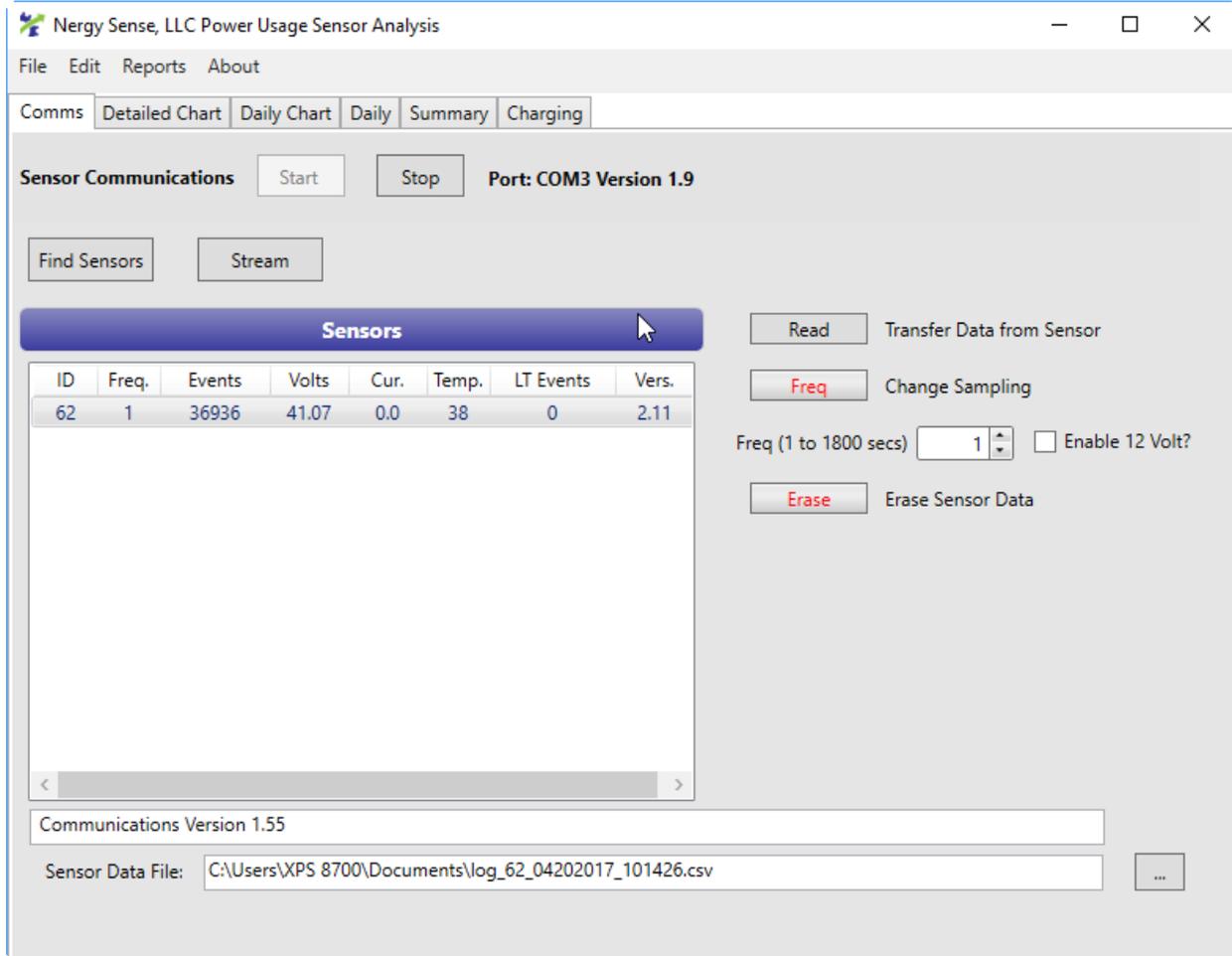
Click on 'Continue' to proceed to the main program dialog.



The Comms Tab is opened. With the communications dongle attached to the USB port, click 'Start' to launch comms.

Your communications dongle will be located automatically.

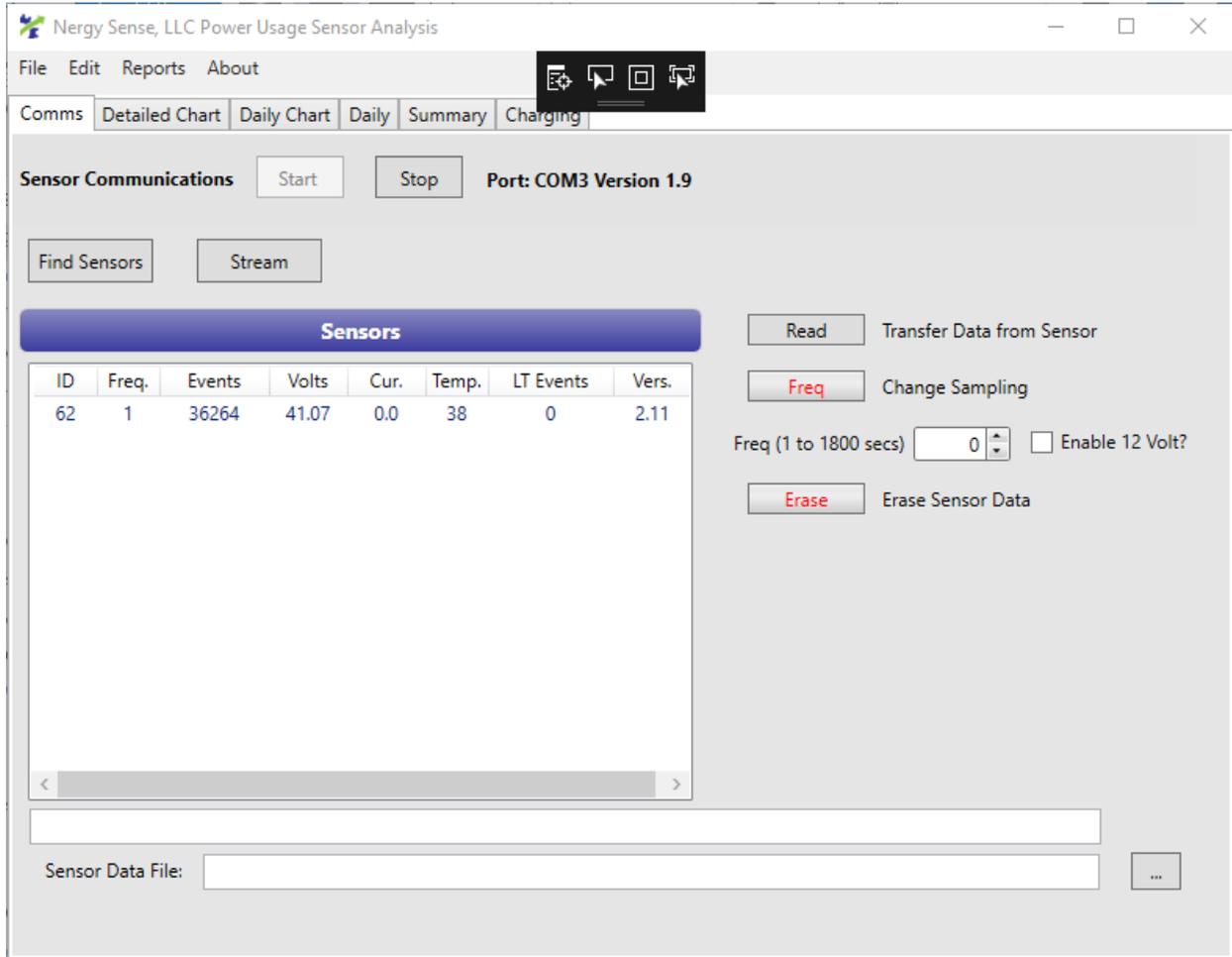
When Comms is established, the dialog will be updated to reflect the connected status.



If you do not have a sensor powered on and in range, then apply power to an Nergy Sense Power Usage Sensor, and confirm the LEDs in the unit are flashing.

Click 'Find Sensors' in the dialog, and the sensor will be found and listed.

## Sensor Support Software Installation Notes



Nergy Sense, LLC Power Usage Sensor Analysis

File Edit Reports About

Comms Detailed Chart Daily Chart Daily Summary Charging

Sensor Communications Start Stop Port: COM3 Version 1.9

Find Sensors Stream

Sensors							
ID	Freq.	Events	Volts	Cur.	Temp.	LT Events	Vers.
62	1	36264	41.07	0.0	38	0	2.11

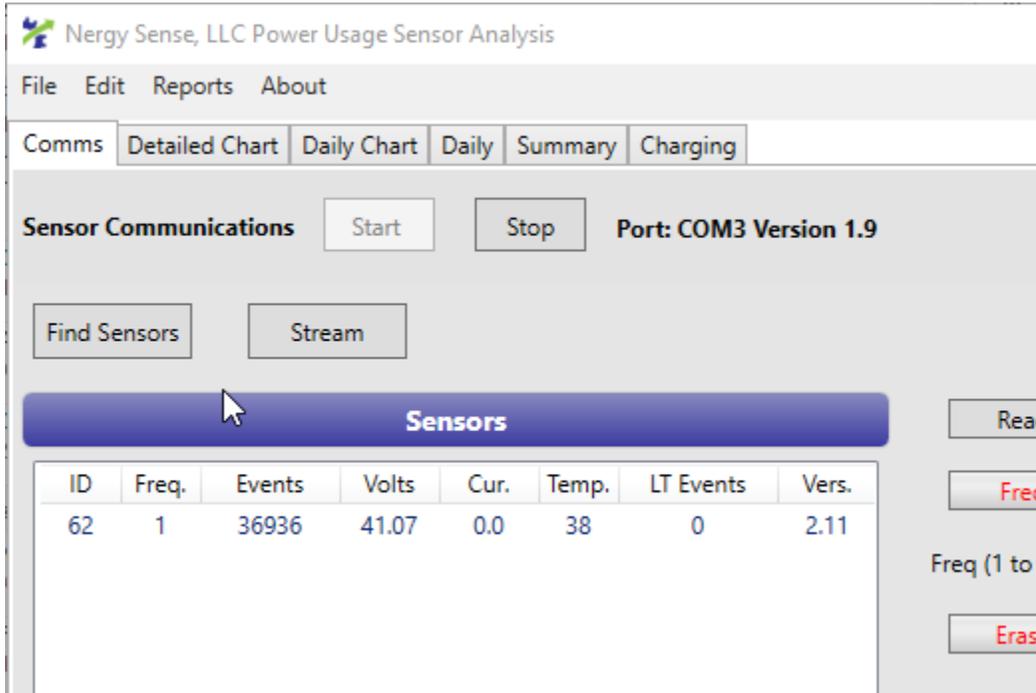
Read Transfer Data from Sensor

Freq Change Sampling

Freq (1 to 1800 secs) 0  Enable 12 Volt?

Erase Erase Sensor Data

Sensor Data File:  ...

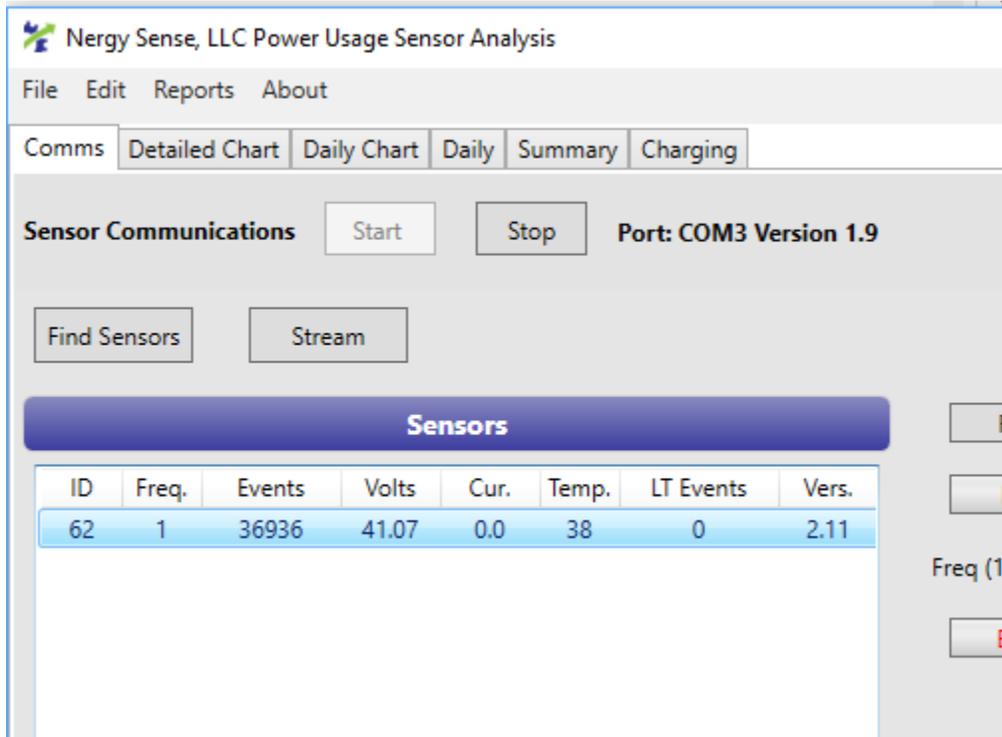


The screenshot shows the Nergy Sense software interface. At the top, there is a menu bar with 'File', 'Edit', 'Reports', and 'About'. Below the menu bar, there are tabs for 'Comms', 'Detailed Chart', 'Daily Chart', 'Daily', 'Summary', and 'Charging'. The main area is titled 'Sensor Communications' and includes 'Start' and 'Stop' buttons, along with 'Port: COM3 Version 1.9'. Below this, there are 'Find Sensors' and 'Stream' buttons. A table titled 'Sensors' is displayed, showing a single sensor entry. To the right of the table, there are buttons for 'Read', 'Freq', 'Freq (1 to 1', and 'Erase'.

ID	Freq.	Events	Volts	Cur.	Temp.	LT Events	Vers.
62	1	36936	41.07	0.0	38	0	2.11

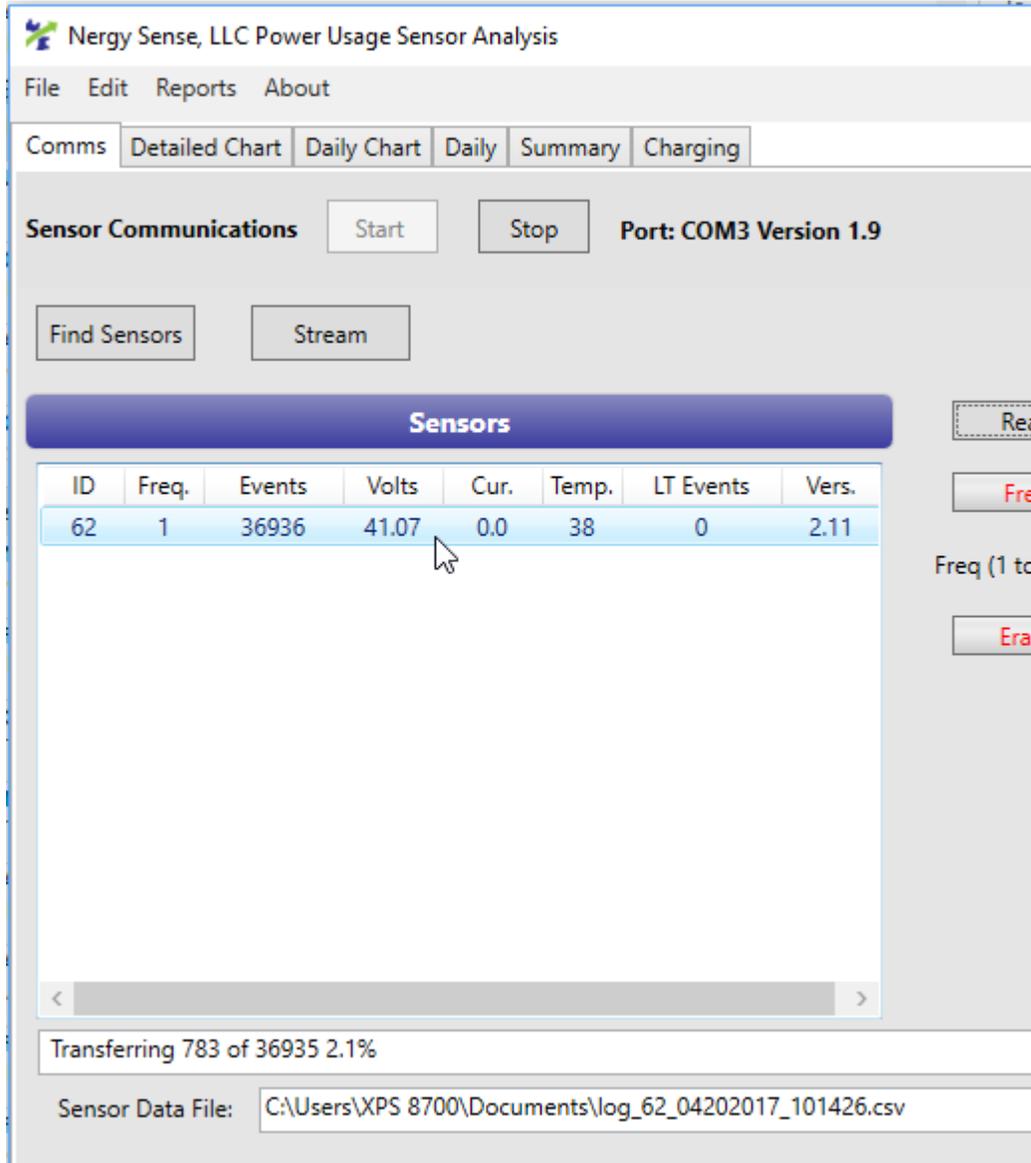
For each sensor in range, one line will appear in the Sensors List

To read data from a sensor, click on it in the list



And then click 'Read'. A sensor file will be created automatically if possible. If not, you will be prompted to provide a file name.

Observe the transfer status as updated in the status boxes at the bottom of the dialog



Nergy Sense, LLC Power Usage Sensor Analysis

File Edit Reports About

Comms Detailed Chart Daily Chart Daily Summary Charging

Sensor Communications Start Stop Port: COM3 Version 1.9

Find Sensors Stream

Sensors							
ID	Freq.	Events	Volts	Cur.	Temp.	LT Events	Vers.
62	1	36936	41.07	0.0	38	0	2.11

Transferring 783 of 36935 2.1%

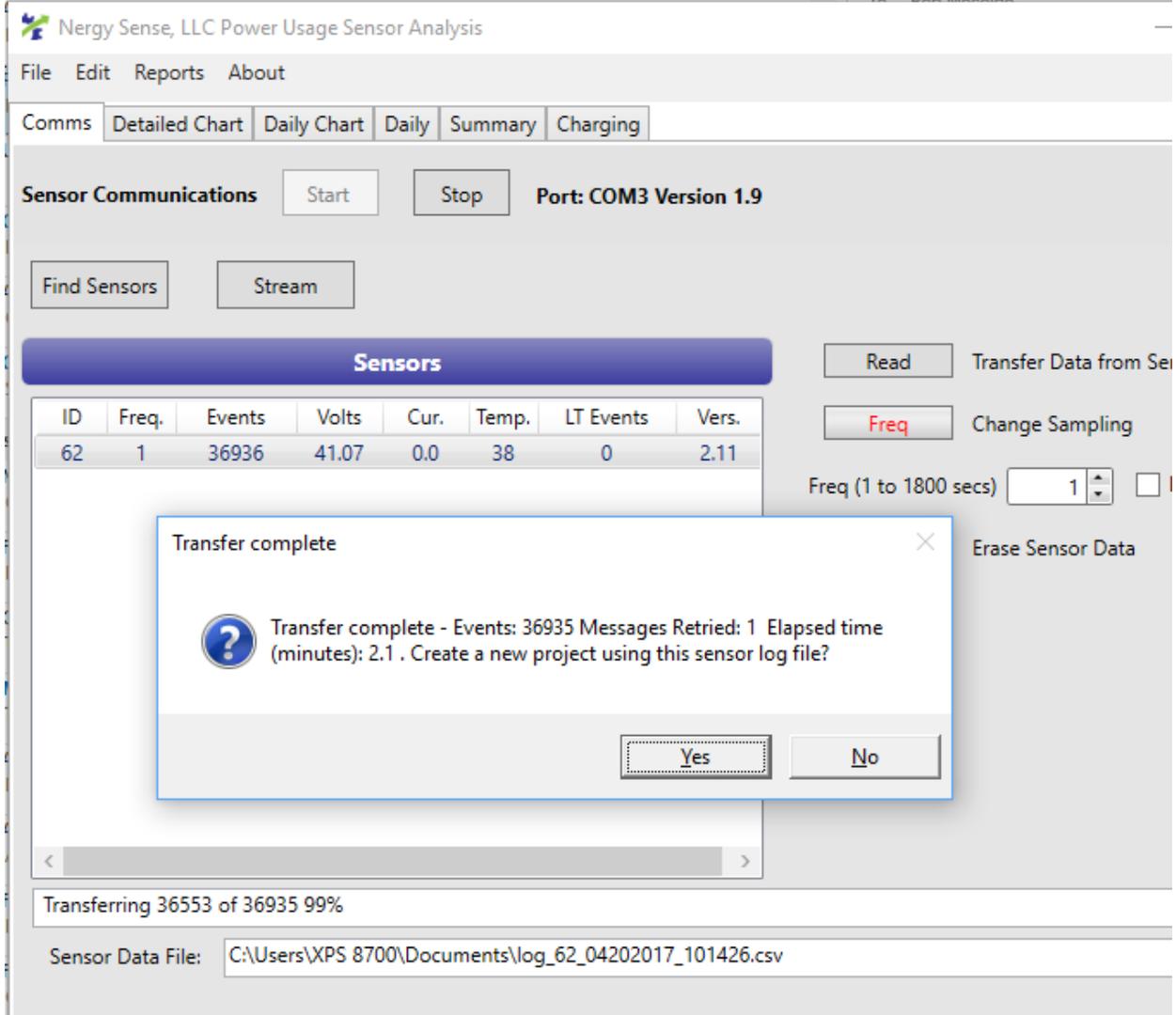
Sensor Data File: C:\Users\XPS 8700\Documents\log\_62\_04202017\_101426.csv

When the transfer completes, you will be prompted to create a project using the data. Answering 'Yes' invokes the Project Create dialog:

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*Note: A sensor data file contains raw data. A Project file uses the raw data and your definitions to produce reports and analysis. The Project is where you identify the project details, like battery capacity, customer etc.*

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Nergy Sense, LLC Power Usage Sensor Analysis

File Edit Reports About

Comms Detailed Chart Daily Chart Daily Summary Charging

Sensor Communications Start Stop Port: COM3 Version 1.9

Find Sensors Stream

ID	Freq.	Events	Volts	Cur.	Temp.	LT Events	Vers.
62	1	36936	41.07	0.0	38	0	2.11

Read Transfer Data from Sen

Freq Change Sampling

Freq (1 to 1800 secs) 1

Erase Sensor Data

Transfer complete

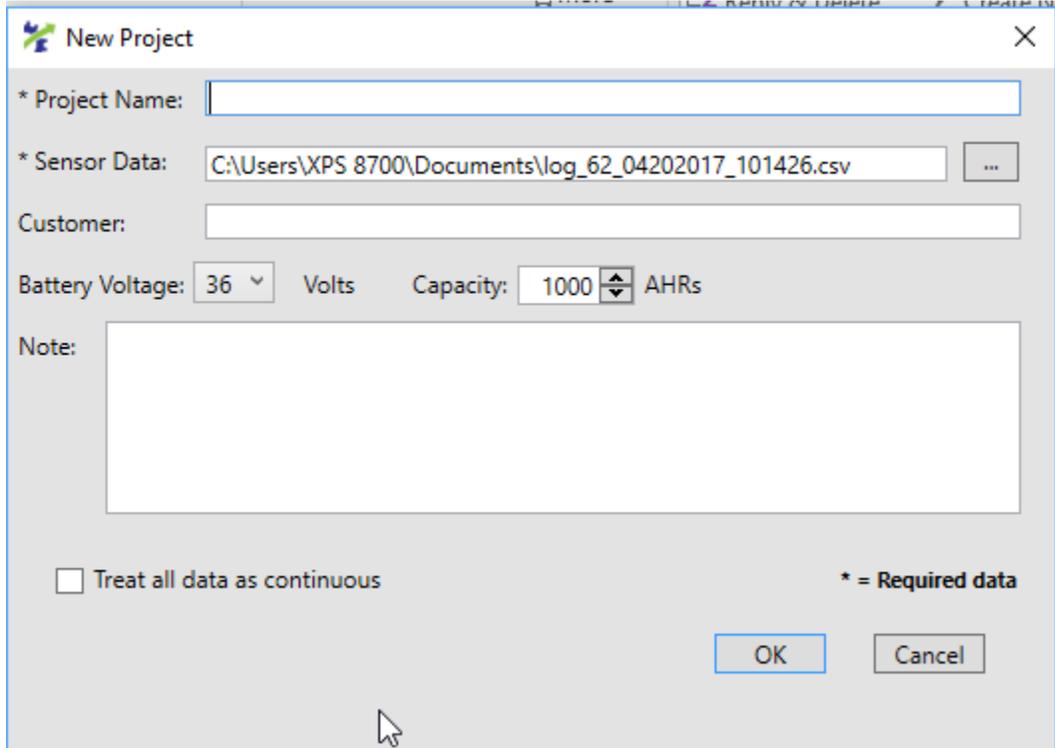
Transfer complete - Events: 36935 Messages Retried: 1 Elapsed time (minutes): 2.1 . Create a new project using this sensor log file?

Yes No

Transferring 36553 of 36935 99%

Sensor Data File: C:\Users\XPS 8700\Documents\log\_62\_04202017\_101426.csv

Click 'Yes' to open the Project dialog and create a Project.



**New Project**

\* Project Name:

\* Sensor Data:  ...

Customer:

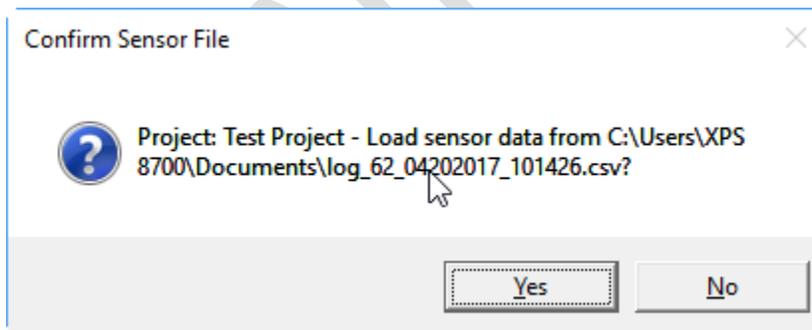
Battery Voltage:  Volts Capacity:  AHRs

Note:

Treat all data as continuous \* = Required data

You must enter at least a project name to proceed. Click 'OK' to continue.

You will be prompted to confirm the name of the sensor data file. Click 'Yes' to continue

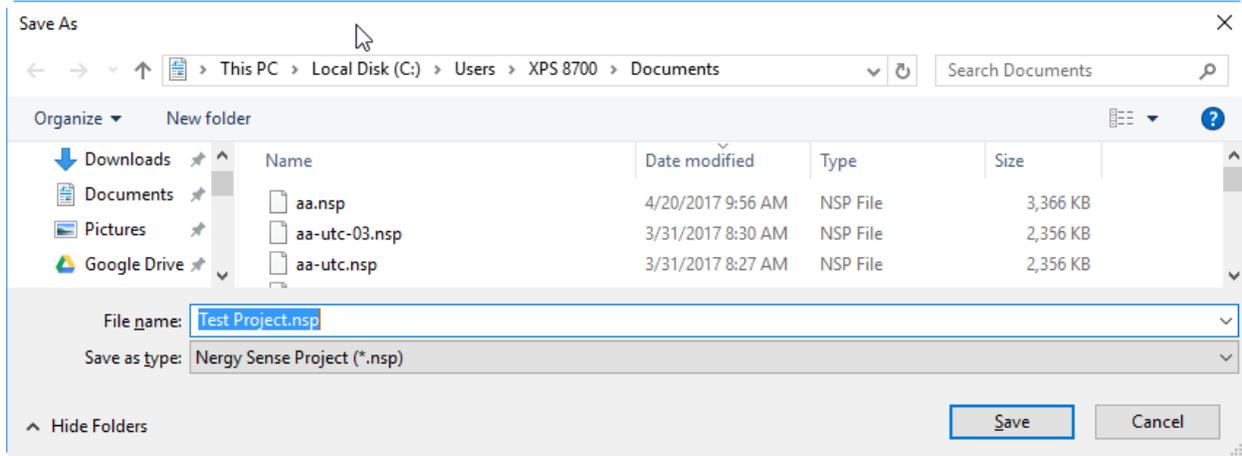


**Confirm Sensor File**

 Project: Test Project - Load sensor data from C:\Users\XPS 8700\Documents\log\_62\_04202017\_101426.csv?

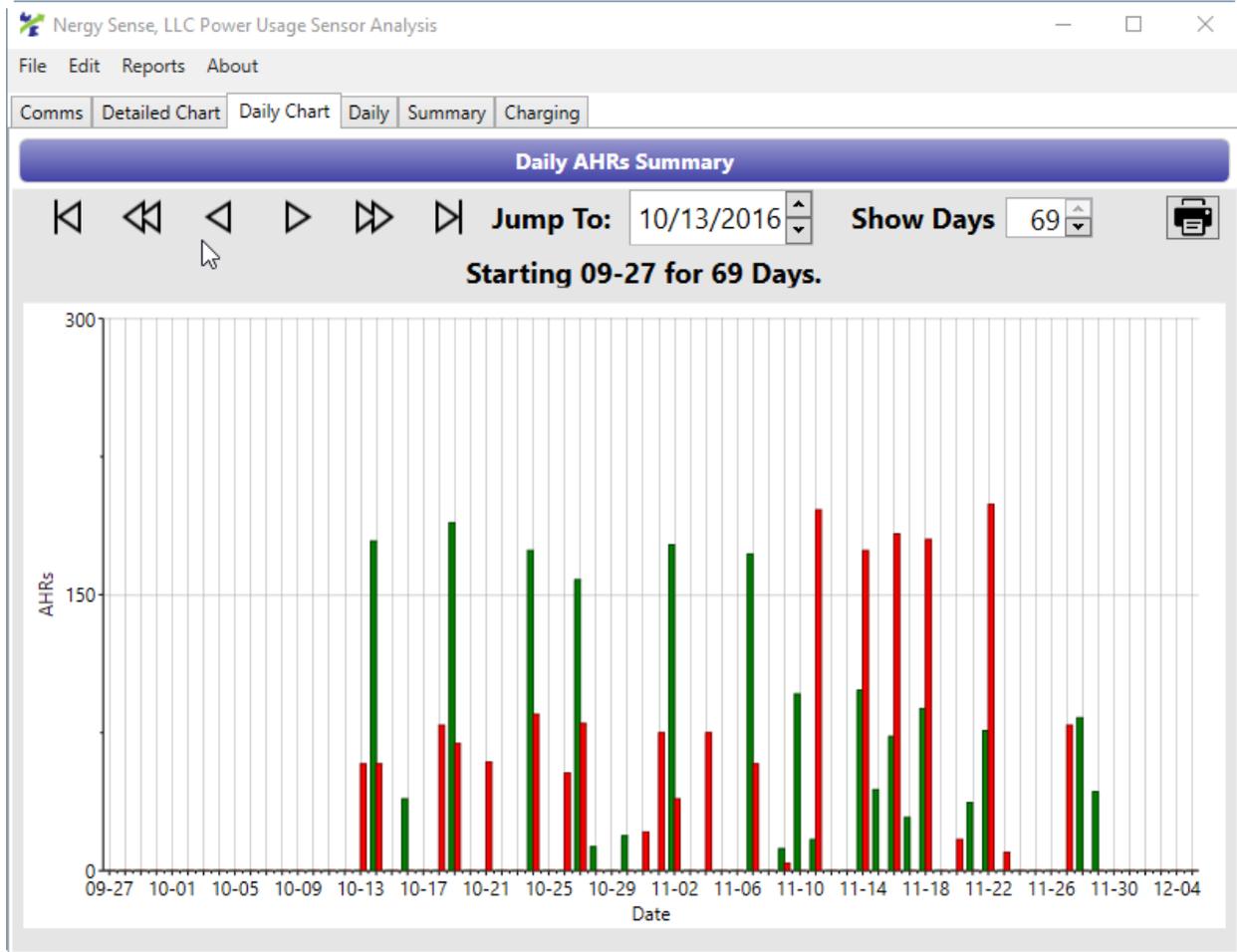
And then confirm the Project File name. The default name is created automatically and is based on the Project Name you defined. Click 'Save' to continue.

## Sensor Support Software Installation Notes



The sensor data will be loaded into the Project. You may see a dialog recommending a change in the selected battery voltage. The software makes a determination of the battery voltage based on the data and will report if its estimation and the project selection are different.

When the Project completes loading, you may browse amongst the tabs and reports to review the collected data.



The Project file is self-contained. You can copy only the Project file to other PCs with the software installed and use it. The sensor data file is no longer required.