



**FUEL CELL
SYSTEMS®**

STACKWATCH

REMOTE FUEL CELL MONITORING SYSTEM



INSTALLATION & USER MANUAL V2

Welcome

Welcome to StackWatch!

Our monitoring system allows you to check on the status of your fuel cell remotely providing peace of mind that your equipment is running smoothly.

The system can be setup so that should a problem or significant status change occur, automatic alerts can be sent out to as many people as you think need to know. This can be easily modified by you should your needs change.

The modems operate on the 3G network using UK roaming SIM cards. This allows us to utilise any UK network, providing you with the best coverage possible.

The following guide will show you how to connect the modem to your fuel cell and how to access the features of StackWatch through your web browser.

Box Contents



3G Modem with SIM Card



3G Antenna



EFOY to Modem Data & Power Cable

Installation Instructions

Step 1



Connect the Antenna to the 3G Modem

Step 2



Connect the Data Cable to the 3G Modem

Step 3



Connect the Power Cable to the 3G Modem

Step 4



Connect the Data Cable to the Fuel Cell using the Data Interface Port on the unit.

Step 5

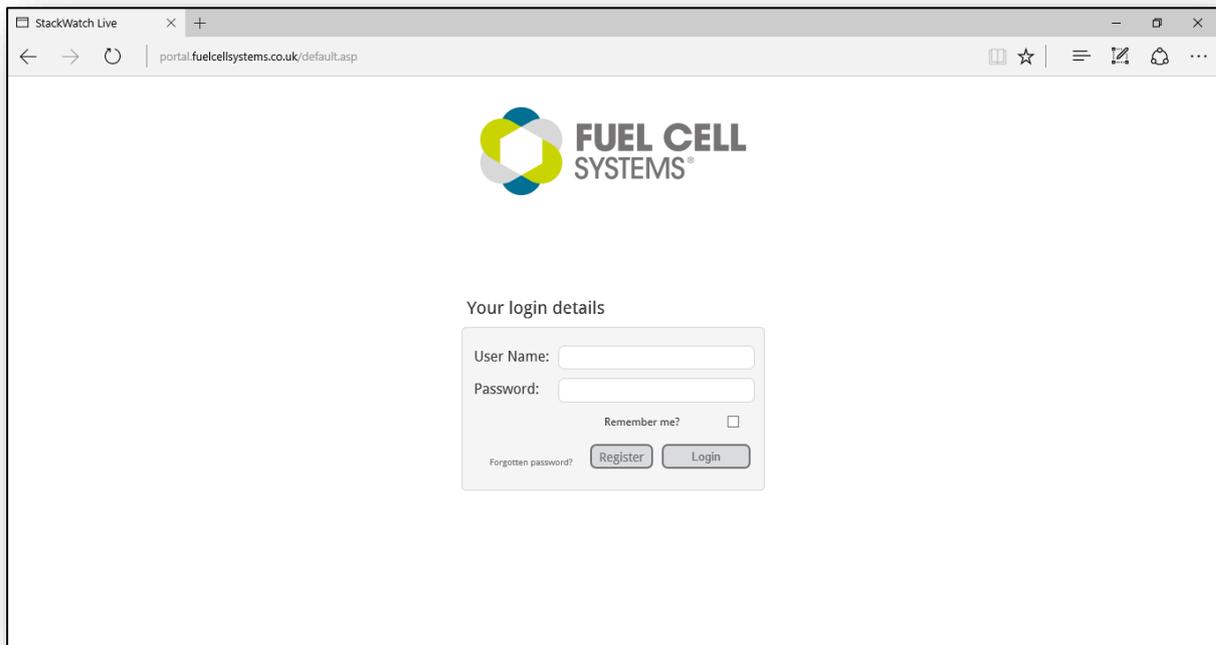


A green light should show on the 3G Modem indicating a power.

Configuration

Open an internet browser (such as Edge, Chrome or Firefox) and navigate to:

<http://portal.fuelcellsystems.co.uk>



Register for StackWatch

If this is your first time using StackWatch, you will need to register a new password. To do this, click on Register.

You will be prompted for your email address and asked to create a new password. Complete these fields and click on Register. An email will be sent to the address provided with further instructions.

If your email address is not recognised, please call Fuel Cell Systems on 01488 507050 and ask for the address to be assigned to your equipment.

Log in to StackWatch

If you already have an account, please log in with your user name and password.

Using StackWatch

Once logged into StackWatch, you will be presented with a screen similar to the following for each piece of equipment you have monitored.

The screenshot shows the StackWatch interface for a fuel cell unit named "Nightfall". At the top, it says "Welcome, Fuel Cell Systems Ltd" with links for "My Equipment", "Change Password", and "Logout". The unit name "Nightfall" is on the left, and "Fuel cell off (Auto)" is on the right. Below this, there are four columns of information: "Last updated:" (16/08/2016 14:48:18), "ID: 519" (Serial: 100605-1114-23060), "Licensed until:" (21/07/2020), and "License Key:" (5790b4195f5d2). To the right of these are four buttons: "Update", "Details", "Alerts", and "Events". Below this is a dashboard with four main metrics: "BATTERY VOLTAGE" (13.9v), "OUTPUT CURRENT" (0A), "OPERATING TIME" (2635Hr), and "TEMPERATURE" (21°C). Each metric has a corresponding icon (battery, current, clock, and thermometer).

Last Updated

The date and time of the last piece of data stored for this piece of equipment

ID

The unique ID assigned to this equipment

Serial Number

The Serial Number of the fuel cell unit we expect to be monitoring

Licensed Until

The date that the service license expires

License Key

The service license for the monitoring of each piece of equipment.

Update

Places the unit into the Stackwatch dial queue to retrieve the latest data (in advance of the next automatic update)

Details

Displays the Details page providing more information on the unit

Alerts

Allows you to add and remove recipients of email and SMS alerts

Events

Displays the event log for this unit

Notifications

From this screen you can set who receives which notifications and by which means.

Welcome, **Fuel Cell Systems Ltd** [My Equipment](#) | [Change Password](#) | [Logout](#)

Nightfall

Last updated: ID: 519 Licensed until: 21/07/2020 License Key: 5790b4195f5d2
Serial: 100605-1114-23060

[Back](#) [Update](#) [Details](#) [Events](#)

Type	Name	Mobile/Email	Time			Error levels					Delete
			In Hours	Out of Hours	Normal	Information	Warning	Alarm	Serious Alarm		
Email ▾	John Smith	jsmith@fuelcellsystems.c	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
SMS ▾	John Smith	07770 777 777	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
▾			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

[Save](#)

Type

Email or SMS notifications

Name

Name of the person receiving the notification

Mobile/Email

Either a mobile number or email address

In Hours / Out of Hours

Tick to receive messages in and out of business hours. (0900 – 1700)

Normal / Information / Warning / Alarm / Serial Alarm

Tick to receive alerts for the different levels of alarm.

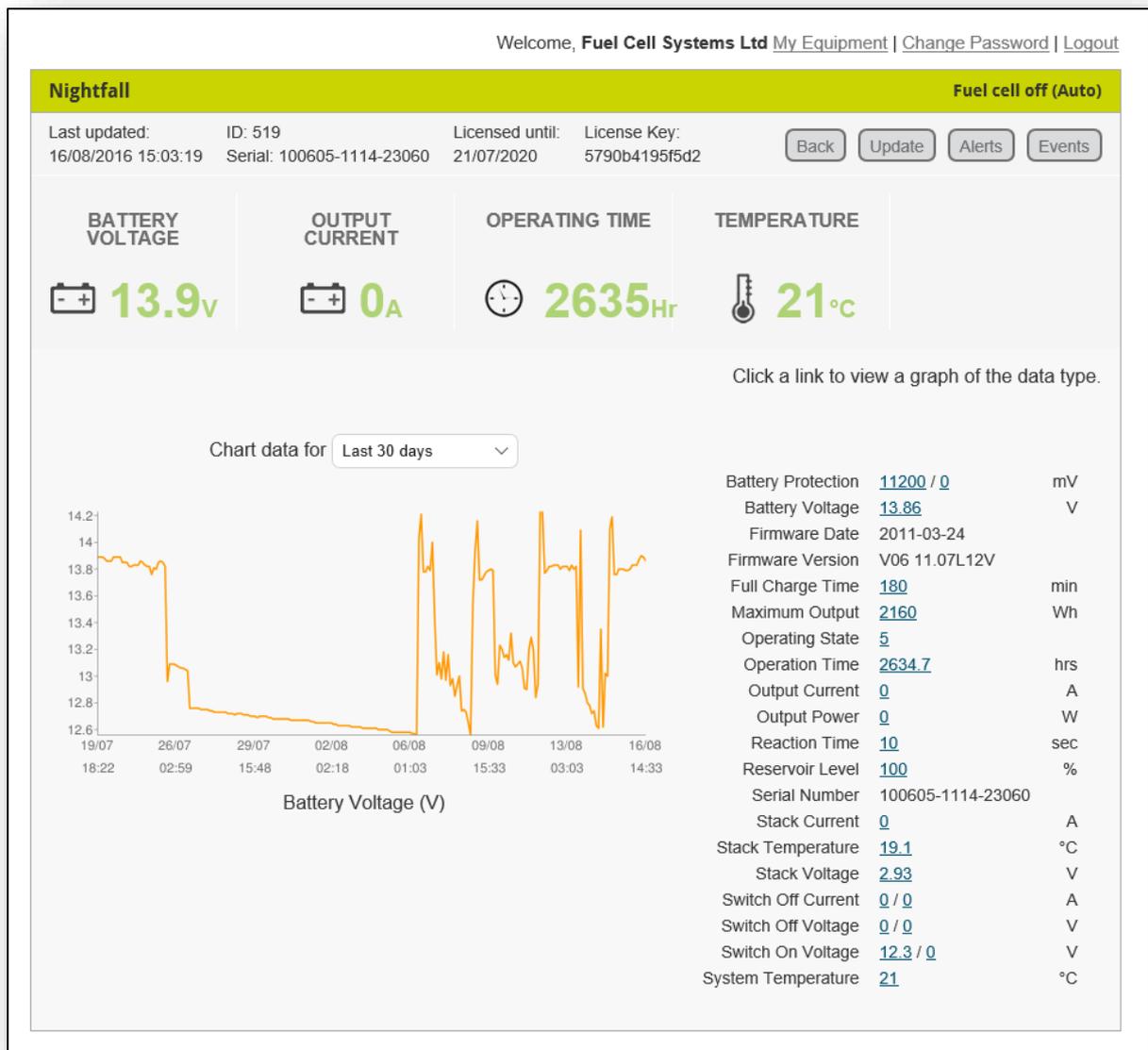
Delete

Tick to delete this contact

Save

Saves the above information

Details Page



The right hand side displays the last values stored by StackWatch. By clicking on any item, a graph will appear on the left hand side showing the historic data. You can change the time period this is displayed over by using the drop down menu above the graph.

Contact

If you need any help installing your modem or understanding the user interface, please contact us on:

01488 507050