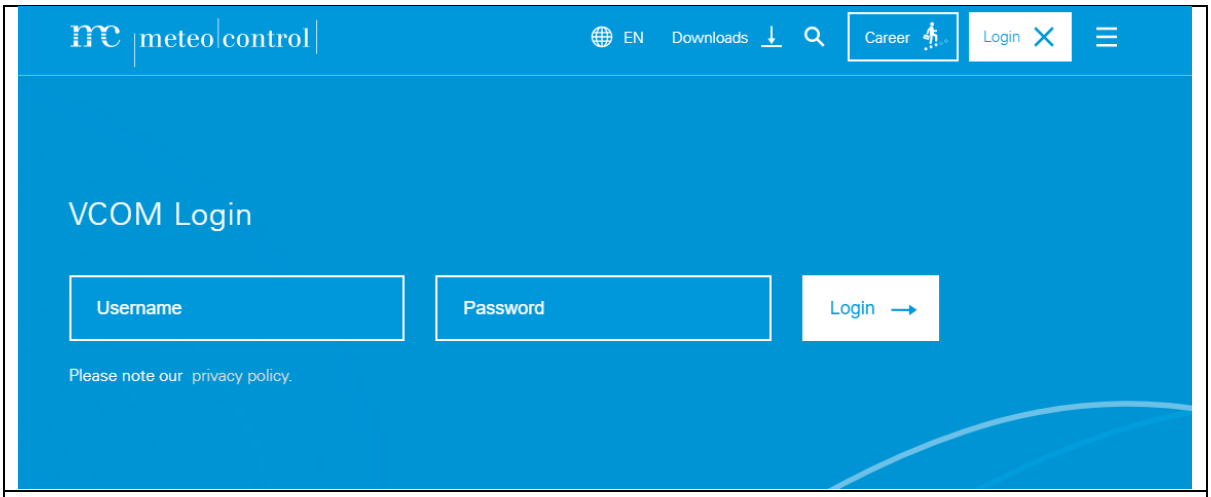
VCOM Meteocontrol – USER GUIDE

Introduction

The VCOM (Virtual Control Room) is an application that gives the user an overview of the performance of the entire system portfolio (in this case, the Sungrow SG110CXs), in a straightforward manner and on-demand, If a breakdown were to occur, this means faults can quickly be located and rectified efficiently.

It distinguishes between the portfolio level and system level. The control room provides an overview of the portfolio and an overall picture. If one wants to perform more in-depth analysis, one can switch to the system level eg. to the cockpit or evaluation section and concentrate entirely on one system.

Login and Download App



Logging in via Desktop

The default mode of utilising VCOM is via desktop – please first go to the website meteocontrol.com, click on “Login”, then input issued username and password.

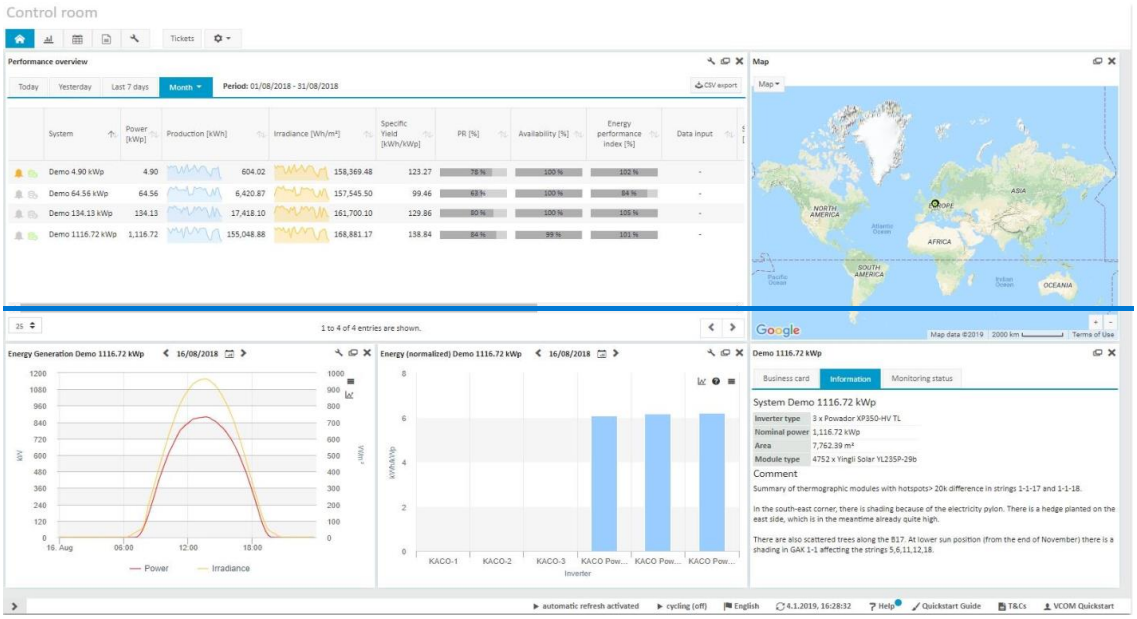
For monitoring on-the-go, you can utilise the “VCOM Monitoring” app, which you can download off of the Apple Store or Google Play Store. Similar to the desktop, you would also just need to click on “Login”, then input issued username and password.

The Control Room

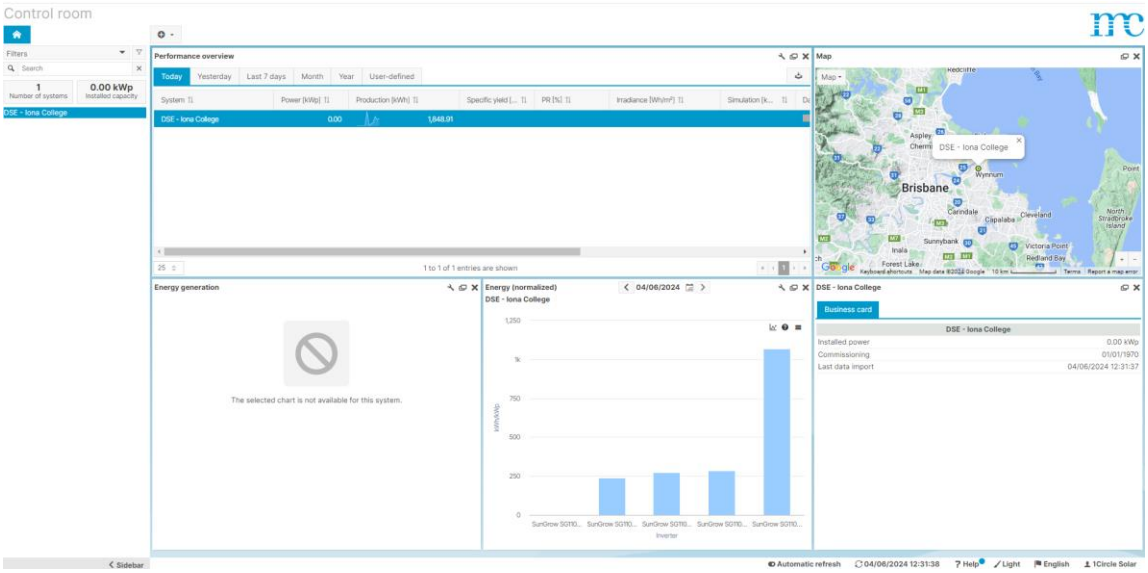
Following the log in, you are directed to the control room – this provides a complete overview of all systems, and the view is preset to suit your authorisation level. Hence, it is probable you will not have all the functions described in this guide at your disposal.

This control room is the most important view in VCOM – as all sections in VCOM, the content is automatically updated every 5 minutes. Each page is preconfigured with portlets – these are smaller individual windows that can be resized, moved, or removed. Portlets can easily be added via the portlet centre.

Below are illustrated diagrams detailing the various functions of the app and how to navigate them.

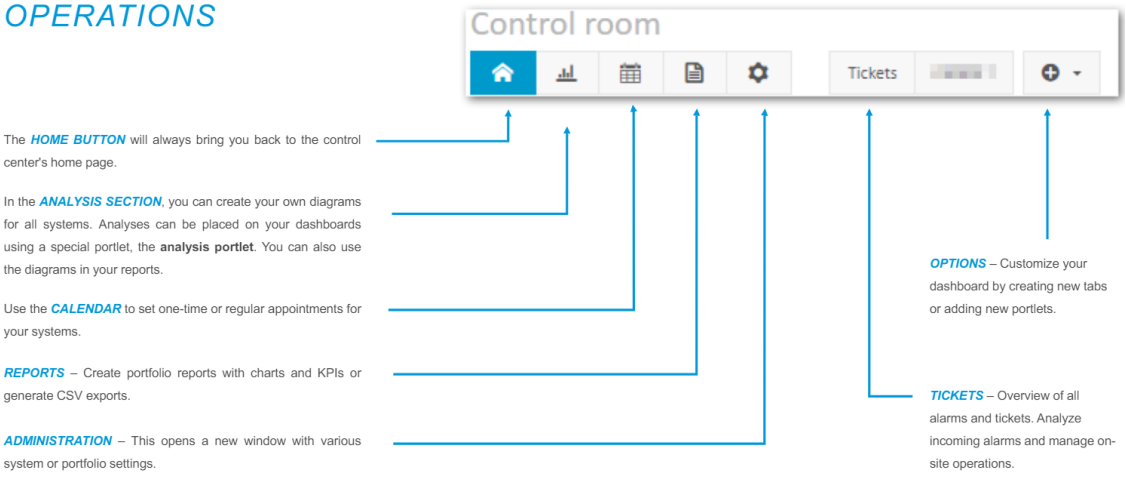


Demo: Fully Activated Systems



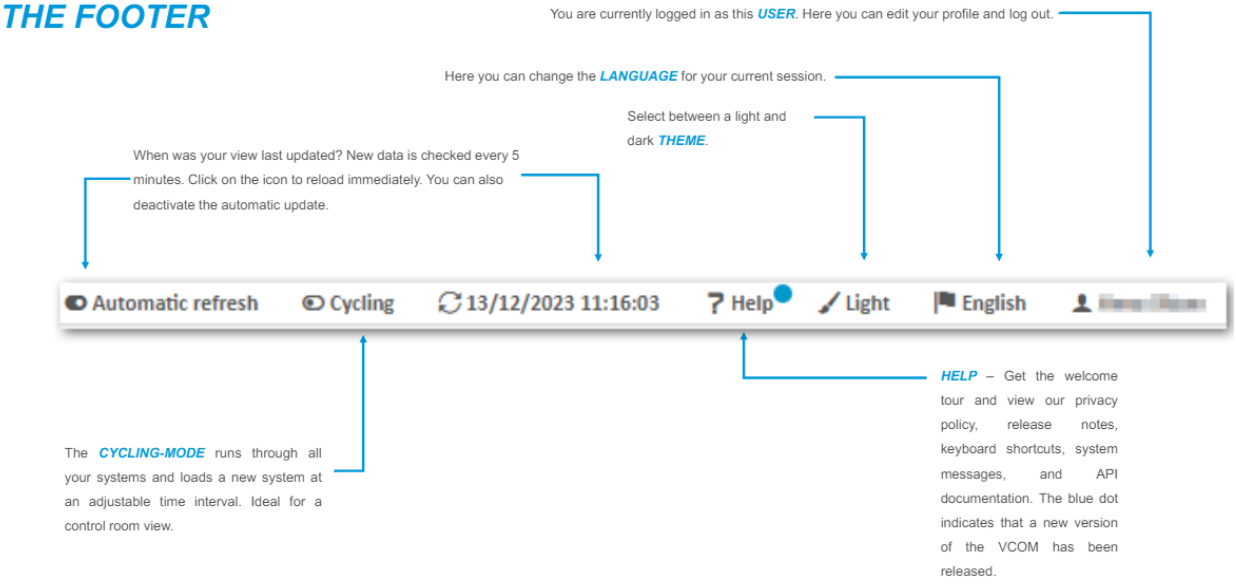
Actual System (Current)

THE CONTROL ROOM OPERATIONS

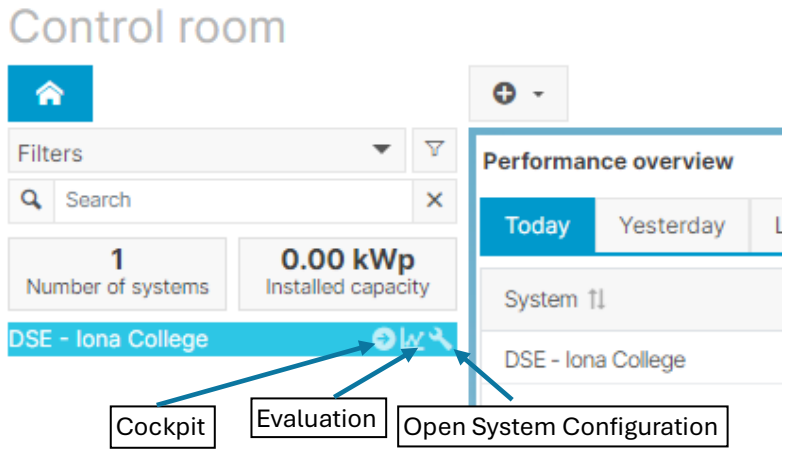


Control Room Top Panel Options for Typically Activated System
Within your current panel, there is The Footer section (at the bottom right)

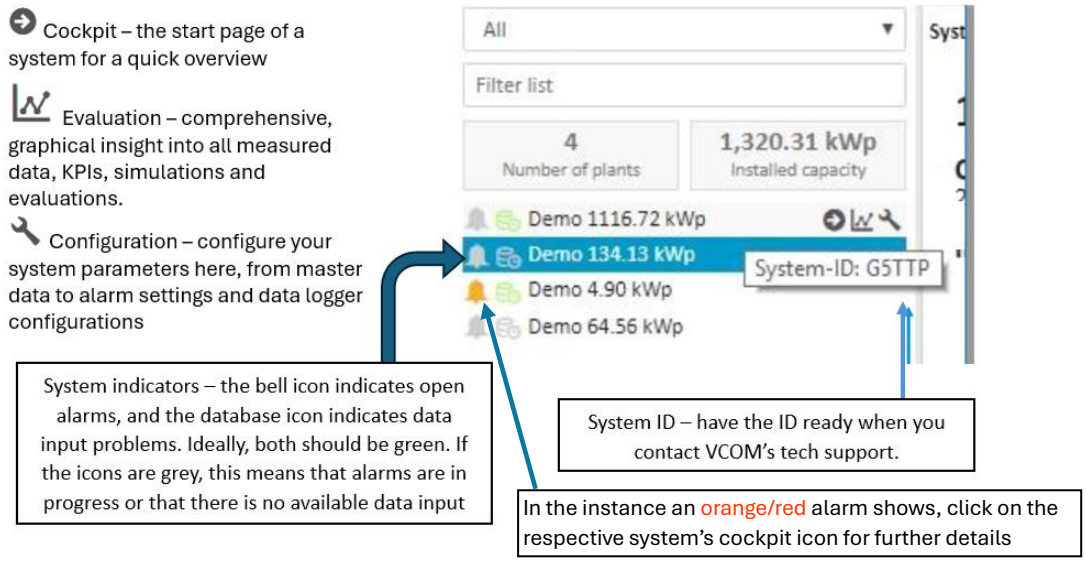
THE FOOTER



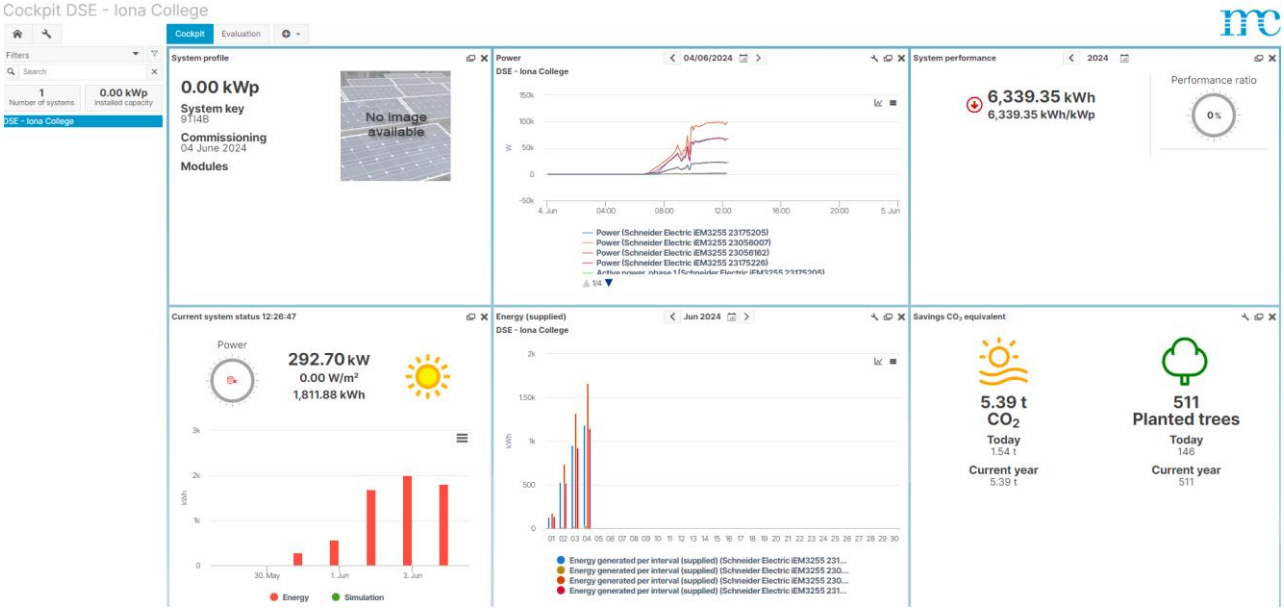
Then, if you hover over the project name at the top left of the page



You are able to choose one of 3 different panels you can enter. To delve deeper into these for a typically fully energised system



The Cockpit (The System Level)



Within here, you can explore at the system level for further analysis or configuration. All menu items from the cockpit (in blue) then refer to the selected system. For a better overview, the selected page and the name of the current system are shown at the top.

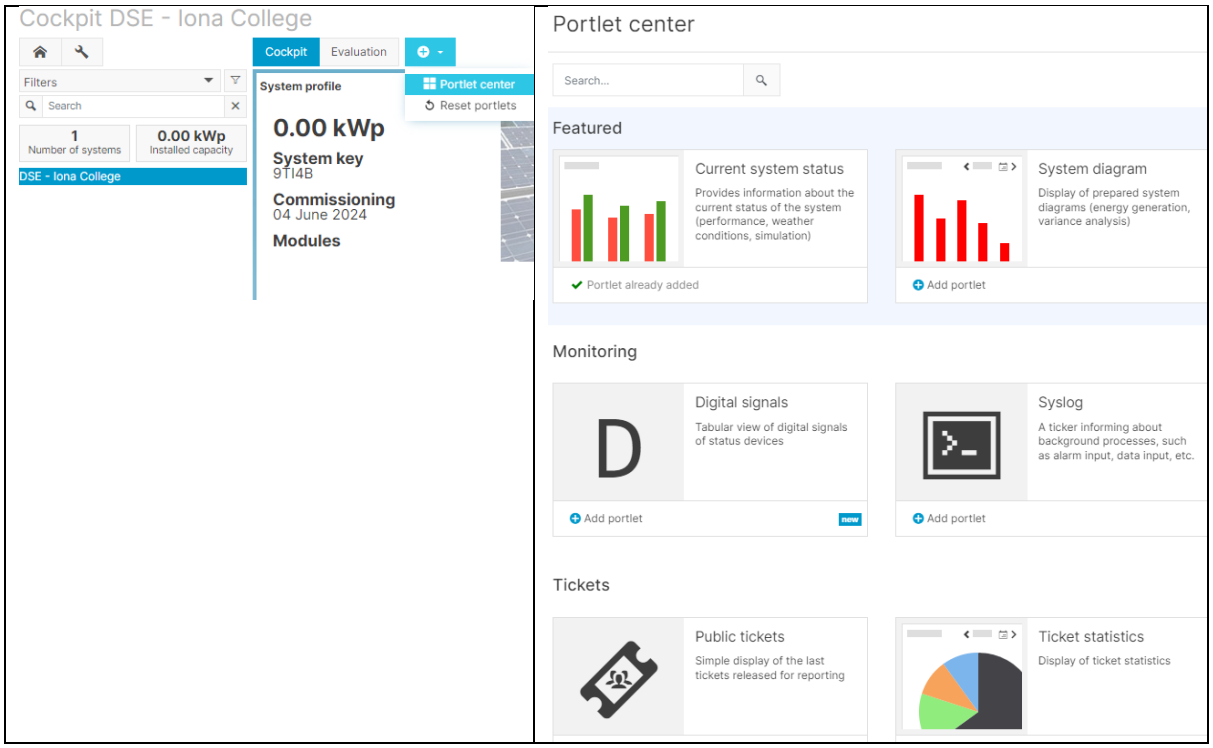
You can also configure the portlets at the system level.

In the case that the system exhibits a red alarm, the graphs will show none or negative output. In this instance, **please get in touch with DS Energy on the following number**

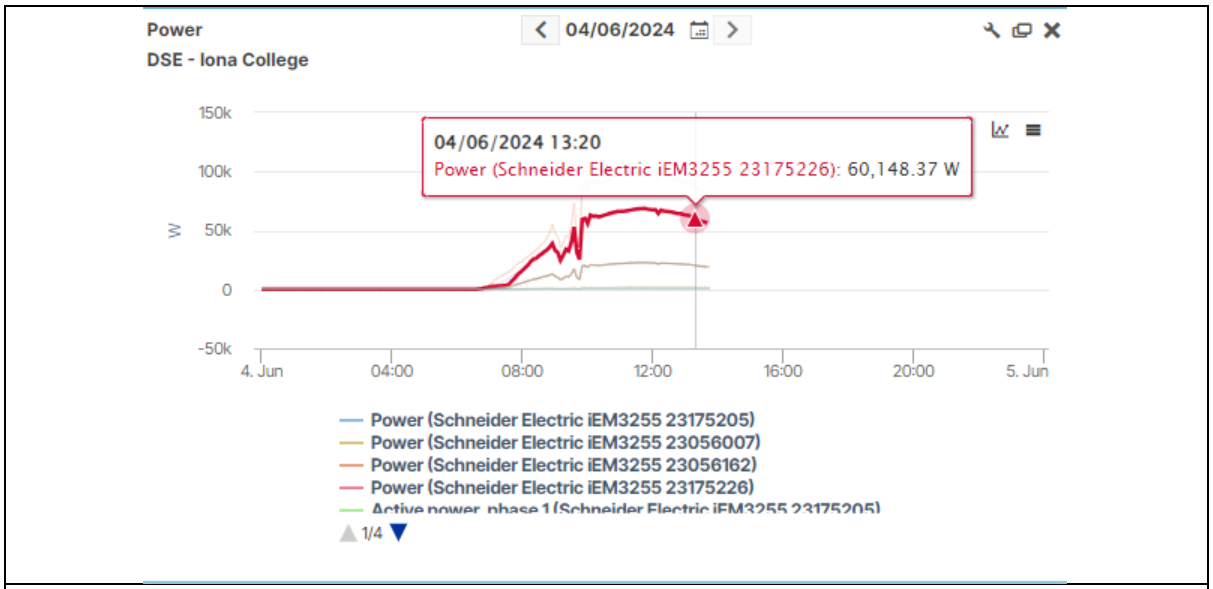
(07) 3051 2051

Who will arrange for a customer support engineer to investigate and attempt to repair the fault remotely. If this is not possible, then DS Energy will aid you in filling out the fault

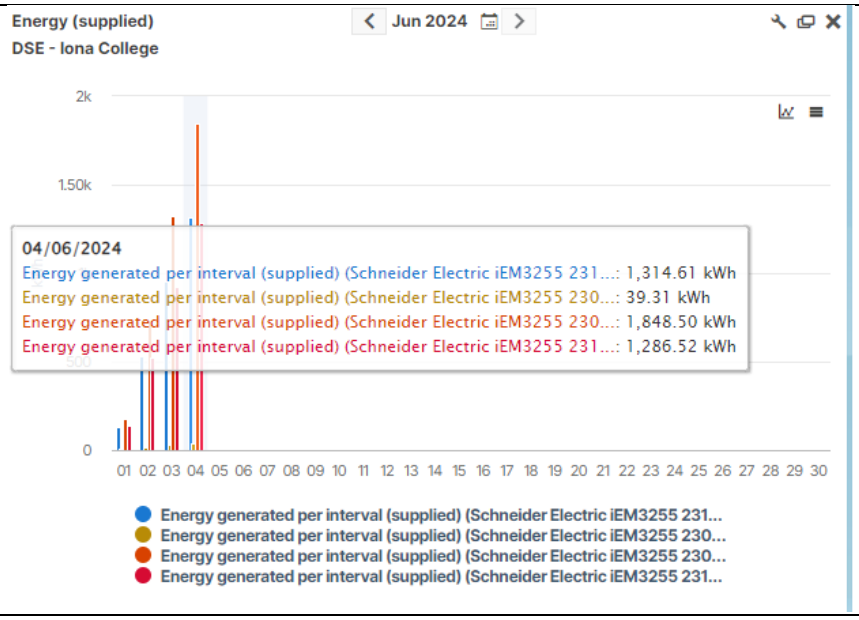
information, instruct on how you can upload a fault picture, and ultimately coordinate a site assessment.



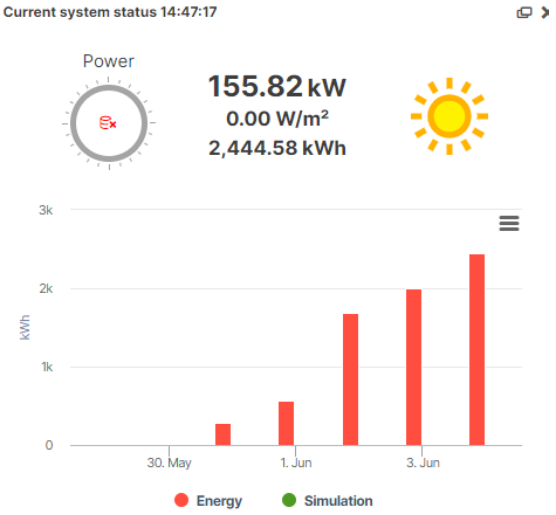
Returning to the **Cockpit**, you have the ability view the following pertaining to system performance



Hourly graph of system output for each building



Daily bar graph of system output for each building



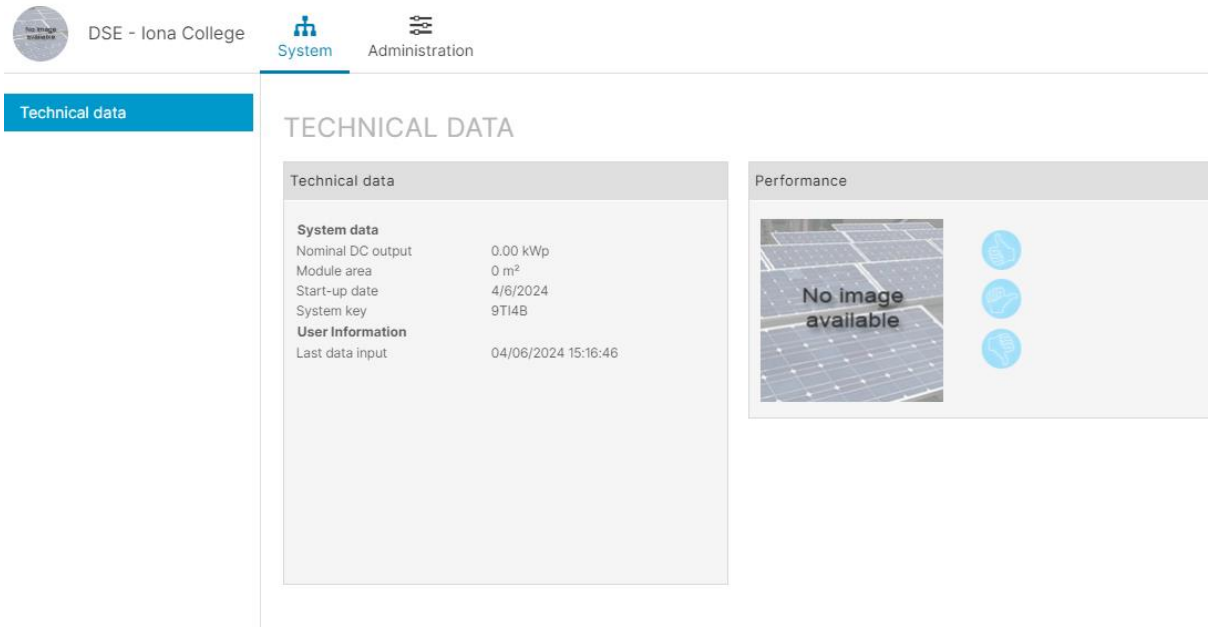
System Status (to the nearest minute)

Evaluation

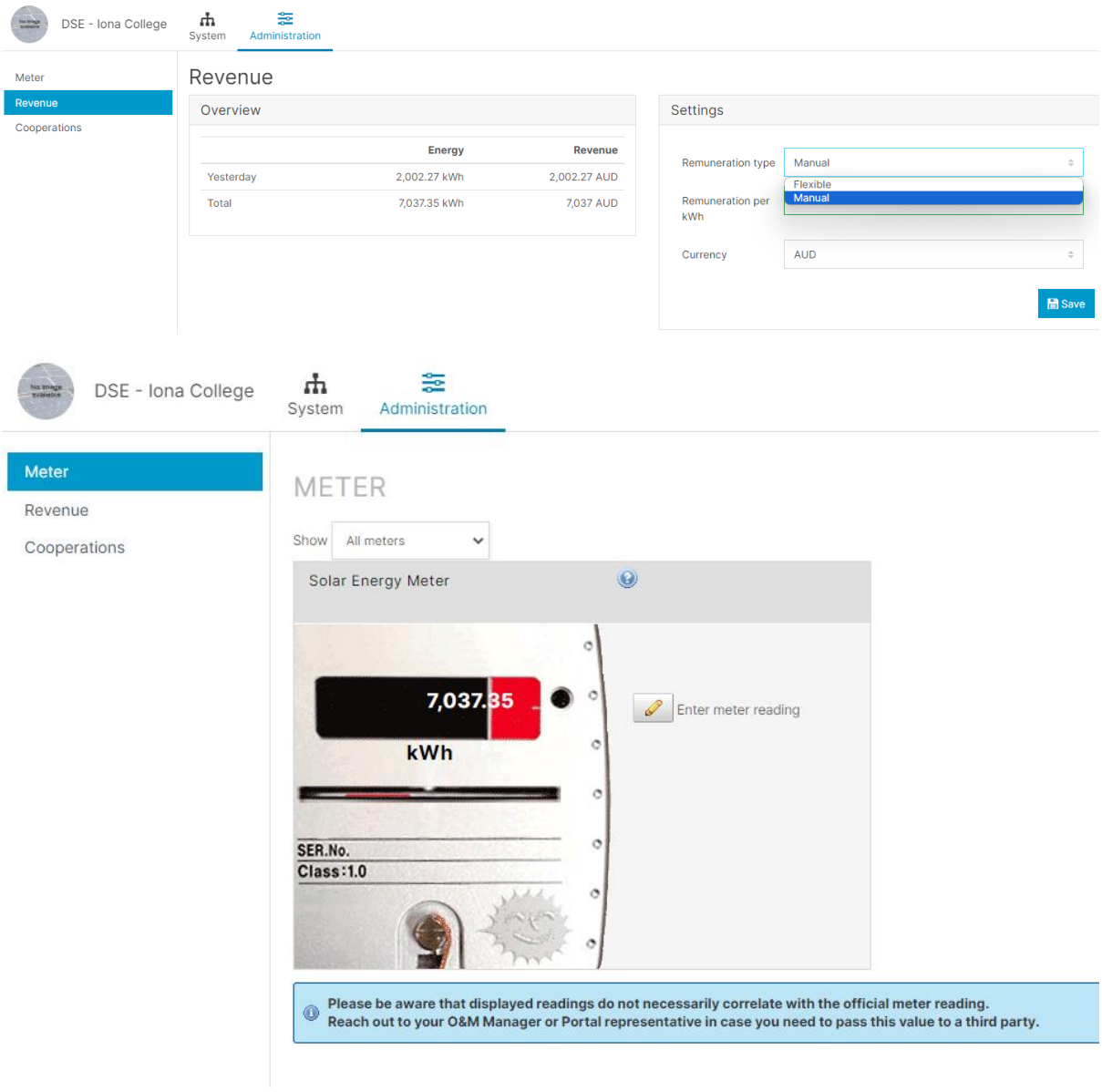
To generate system reports (.xsl format), you click on **Evaluation**, select **Solar Index** then click on **Excel Export**.

System Configuration

The last of the 3 panels – from here you have the option to observe basic technical data of the system (values will populate correctly once system fully energised).



Under the **Administration** option, within the **Revenue** section, the options exist for inputting the desired tariff amount, having it set up as a uniform (**manual**) or **flexible** rate (depending on time of use).



It is strongly recommended not to enter the **Meter** section – if any information needs to be changed relating to this, it is advisable to get in touch with us at DS Energy, at the following

Email: solartech@dsenergy.com.au
Phone: 07 3051 2061