



# ADVISOR<sup>®</sup>

## ENERGY ANALYTICS



## Contents

<b>Introduction.....</b>	<b>1</b>
Access Levels .....	1
Perspectives .....	1
Perspectives – New Features .....	2
<b>Analytics .....</b>	<b>3</b>
Datasources.....	3
Calendar.....	4
Analytics.....	5
Summary .....	6
Data Viewer .....	7
Data Overview .....	8
Heatmap.....	9
Site Details .....	10
Cost Mapper .....	11
Site League .....	12
KPI'S.....	13
Regression Analysis .....	14
<b>Reports.....</b>	<b>16</b>
Generating a Report .....	17
Scheduling a Report .....	18
<b>Data .....</b>	<b>19</b>
Events .....	19
System Status .....	20
Export Data .....	21
Manual Data Entry .....	22

<b>Settings.....</b>	<b>23</b>
My Settings.....	23
Users.....	24
Sites.....	25
Datasources .....	26
Virtual Datasources .....	27
Alerts.....	28
Targets.....	29
KPI's .....	30
Creating a KPI .....	30
Ongoing Support .....	31

## Introduction

Advisor Energy Analytics is a cloud-based software solution that empowers management and operations teams with the information needed to make financial and process decisions to increase efficiencies and to reduce costs.

## Access Levels

There are three User Access Levels in Advisor:

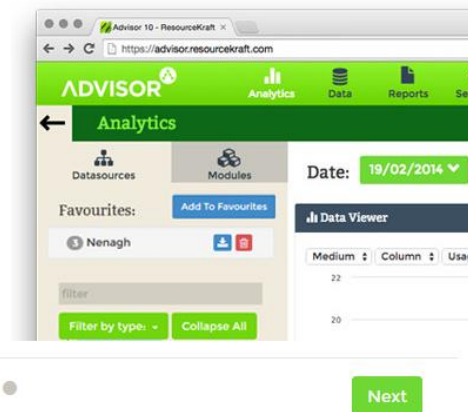
- 1) Administrator – access to all functionalities and reports
- 2) Manager – limited access
- 3) User – limited access

## Perspectives



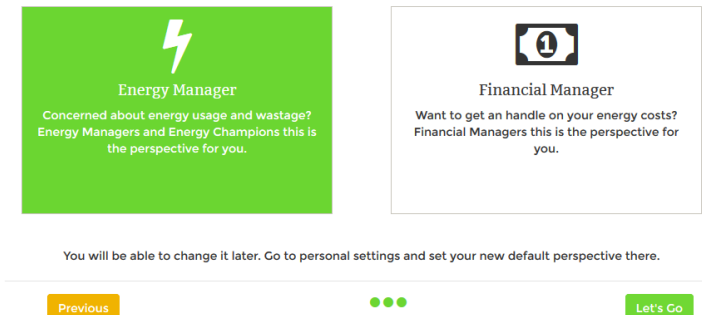
### Version 10 - Introducing Perspectives

Introducing Advisor 10 - Rebuilt from the ground up, Advisor adds a compelling Perspectives feature. Perspectives present curated analytical modules; whether you are an Energy Manager, Financial Manager or a casual user of energy, Advisor's Perspectives allow our energy experts to deliver the most important information/data to you. Perspectives will help you make educated data driven business decisions at the click of a button. Let's get started!



Choose your Default Perspective:

Choose default Perspective



## Perspectives – New Features

### New Features



#### Tablet Ready

Full support for all charts, screen sizes and touch inputs.



#### More Charts

View your energy data in ways that present better opportunities.



#### Edit in Place

Set-up KPIs & edit panels without having to leave the page.



#### Faster Loading

Advisor is now a single page application, requiring fewer page loads.



#### Custom Panels

Create collections of charts & drag them into a bespoke layout.



#### Perspectives

Role focused analytic layouts, curated by energy experts.

Previous



Next

# Analytics

## Datasources

The first step in reviewing energy analytics is to select the datasource(s) to be analysed. Follow the steps below to select the relevant datasource (s):

- Click the datasources tab to show your sites.
- To select a datasource use the green arrows beside the chosen sites to expand your choice.
- To select and de-select datasources select the box beside the datasource.
- You can select up to 15 datasources at one time, however we recommend selecting no more than five for ease of viewing.
- No more than two datasource types (electricity, gas, etc.) should be selected.

**ADVISOR** Analytics Reports Data Settings

← Analytics Select the datasource(s) you want to analyse. Previous < 18/10/2019 > Next →

**Datasources** Calendar

filter by name or type

- ▶ Batterfield Stadium
- ▶ Central Stores
- ▶ EZ Dreams Hotel
- ▶ Faithful County Leisure Centre
- ▶ RK savings manufacturer
- ▶ ResourceKraft Office

★ Summary - organization level

COST	CARBON	ELECTRICITY	GAS
2,918.8 €	20,324.1 kg	32,388.4 kWh	36,000.0 kWh
-225.26%	-150.92%	-150.90%	-15.00%

▮ Data Viewer - datasource level

Medium Line Usage No Tr

## Calendar

The next step is to select the date range and the granularity within which the datasource(s) are to analysed:

- The calendar defaults to today and the default frequency of data is 15 minutes.
- To change this, select the 'Calendar' tab and then select the 'Granularity' dropdown menu.
- 'Compare' allows you compare two different dates or periods.
- 'Latest' brings you to the current date.
- Then select your dates on the calendar below.

The screenshot shows the ADVISOR Energy Analytics interface. The top navigation bar includes 'Analytics', 'Reports', 'Data', 'Settings', and 'Dashboards'. The 'Analytics' tab is selected, and a sub-tab 'Calendar' is highlighted with a white arrow. A text overlay says 'Use this option to set your date range.' pointing to the 'Calendar' sub-tab. Below the sub-tabs, there is a 'Day (by 15 mins)' dropdown menu and two buttons: 'Latest' and 'Compare'. A calendar for October 2019 is displayed, with the 18th selected. To the right of the calendar, a 'Summary' section shows organization-level data for COST, CARBON, ELECTRICITY, GAS, and WATER. Below this is a 'Data Viewer' section for datasource-level data, with options for 'Medium', 'Line', 'Usage', 'No Trends', and 'Normalize'. A 'Select a datasource' button is at the bottom right.

Summary - organization level				
<b>COST</b>  2,918.8 € -225.26%	<b>CARBON</b>  20,324.1 kg -150.92%	<b>ELECTRICITY</b>  32,388.4 kWh -150.90%	<b>GAS</b>  36.5 m³ -154.31%	<b>WATER</b>  45,955.0 L -778.09%

Data Viewer - datasource level
Medium Line Usage No Trends Normalize

## Analytics

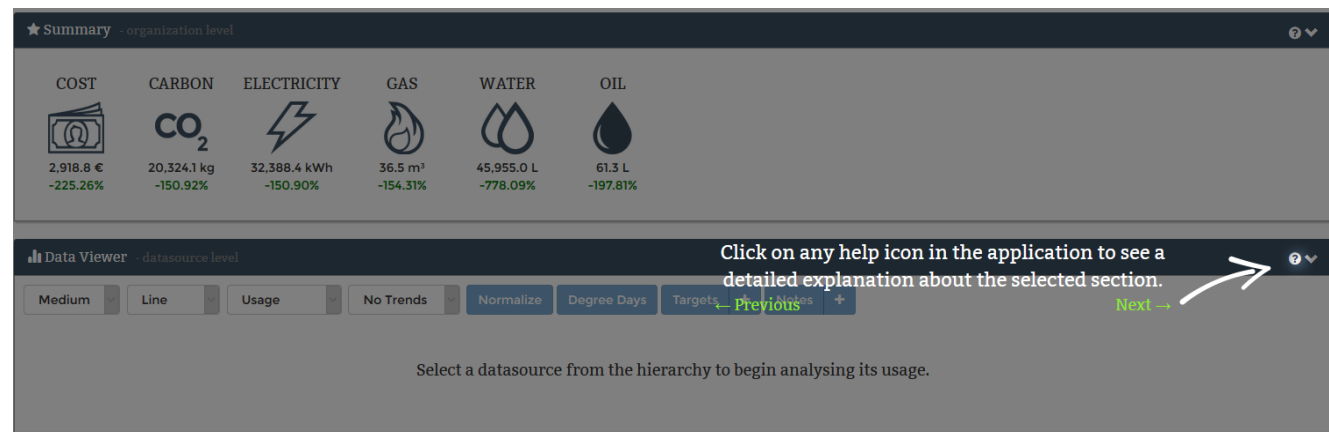
This section of Advisor Energy Analytics is the area you can drill down for specific information about specific datasources.

This manual will go through each section from top to bottom in the order you see on the screenshot to the right.

As you can see each section has a ? icon. If you click on that icon, it will give a brief explanation of what each section does.

Each section also has a down arrow which gives you a number of viewing options when you click on it:

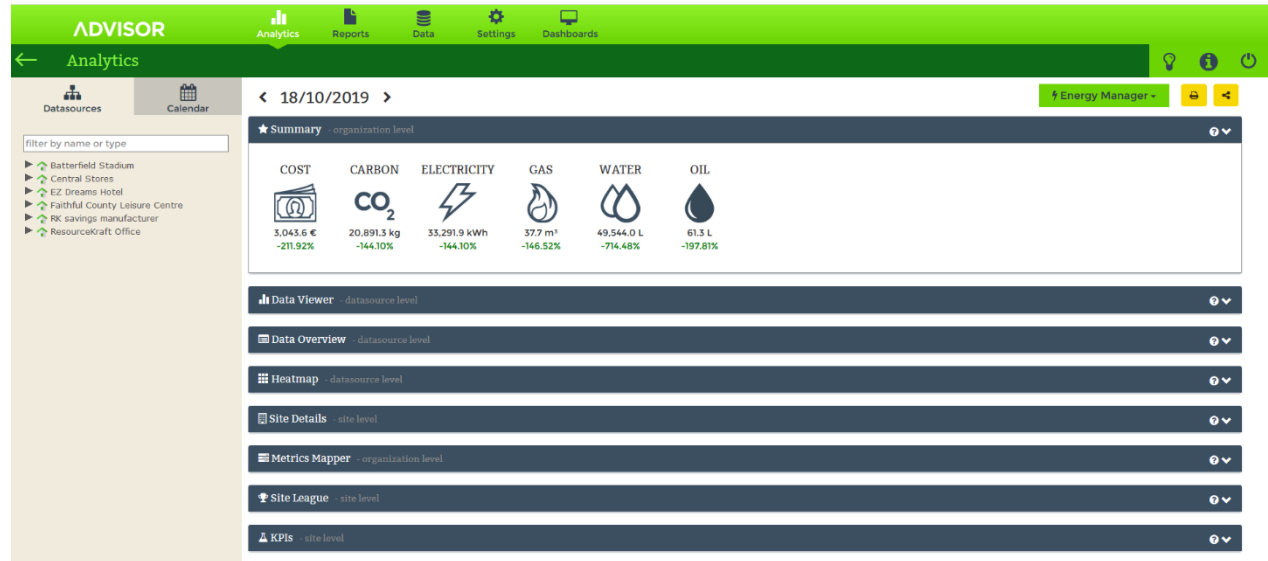
- Toggle this (expands that section)
- Show only this (expands that section and collapses all others)
- Expand All
- Collapse All





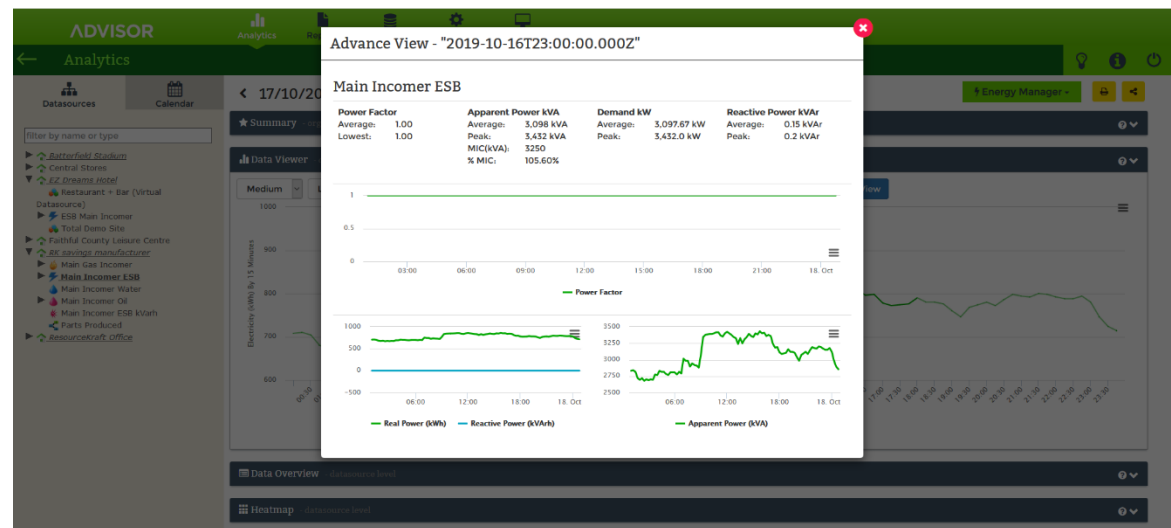
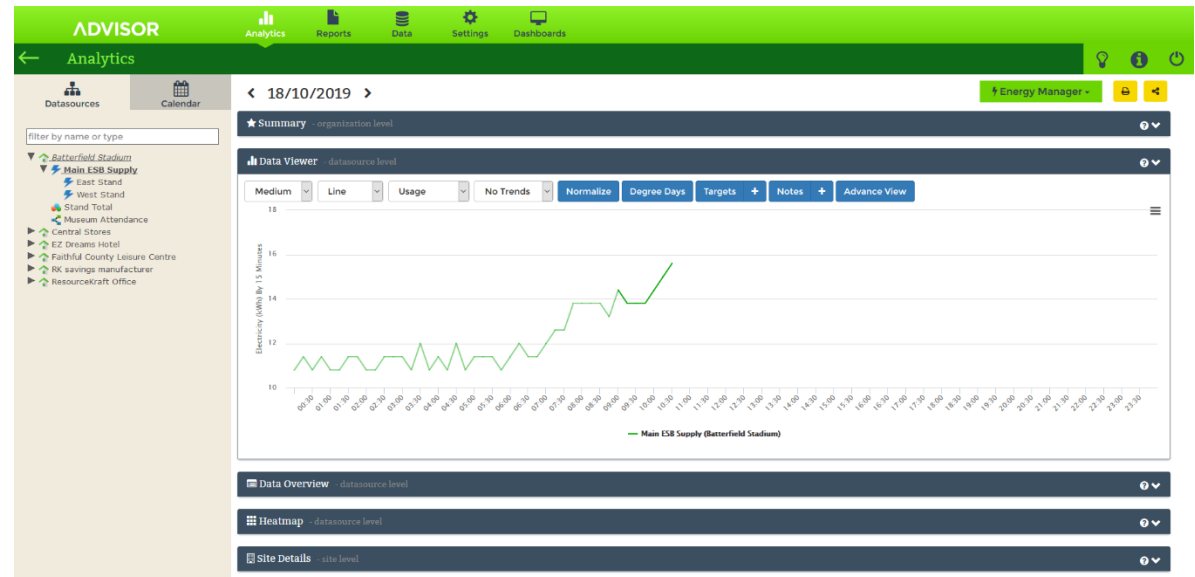
## Summary

- The Summary table shows the total usage for each energy type within your organisation for the period selected.
- This is generally the main income of Gas, Water, Electricity etc. as per your utility bill.



## Data Viewer

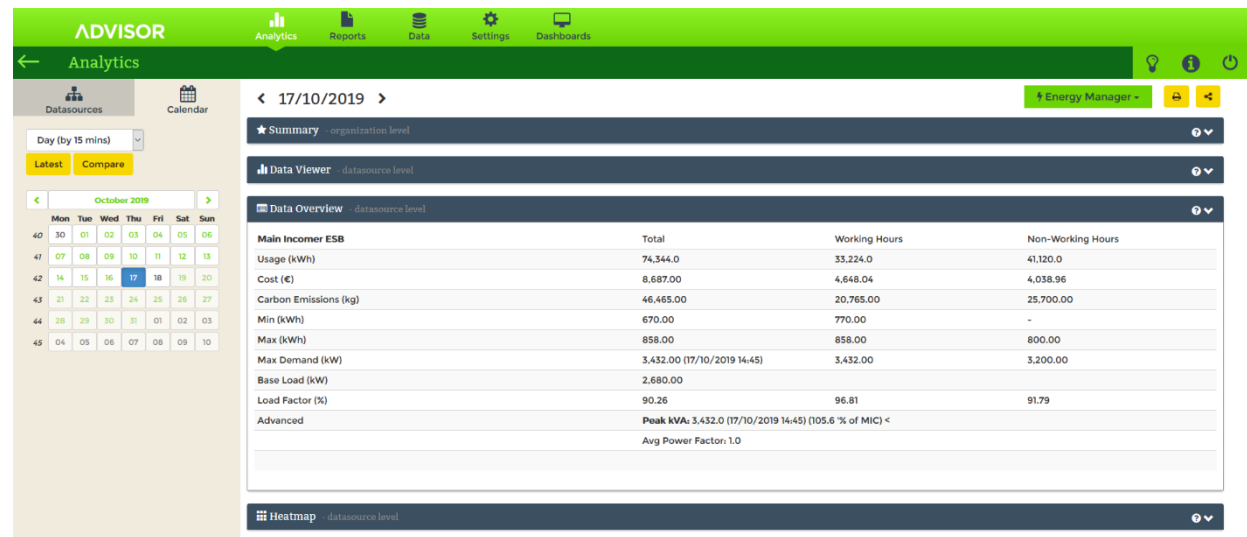
- The **Data Viewer** shows the data usage for your selected datasource(s) within the period selected.
- It also illustrates the data in the granularity you selected in the calendar.
- The visual representation of the graph can be altered using the Medium, Line, & Usage menus at the top of the screen.
- **Targets:** Click on (+) beside targets to create a new target. Click on Targets to show existing targets.
- **Notes:** Click on the (+) beside Notes to create a new note. Click on Notes to show any existing notes.
- **Advance View:** Click on Advance View to show additional information for some electrical datasources. For example, the kVarh and Power Factor.



## Data Overview

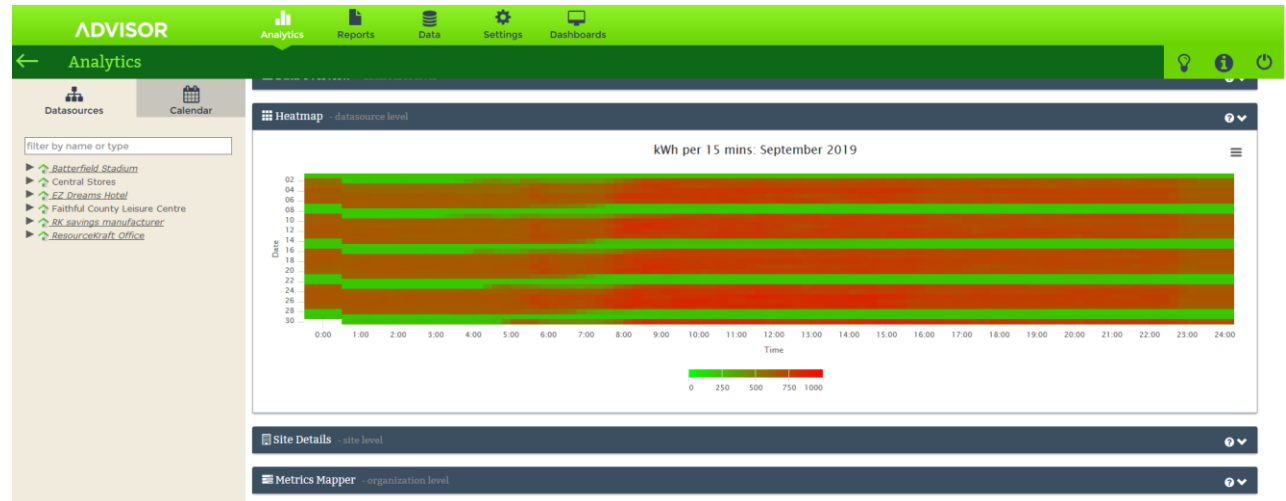
Data Overview shows the following details for the period and the datasource(s) selected:

- The total Usage for working and non-working hours
- Total Cost for working and non-working hours
- Your Max(kWh) used
- Max Demand
- Load Factor
- Carbon emissions



## Heatmap

- The Heatmap creates a scale going from your highest to lowest usage
- Dark Red indicates high usage
- Light Green indicates low usage
- The heatmap can be used to quickly identify trends in data:
  - Daily and weekly patterns
  - Spot abnormalities: e.g. data gap at 06.30-11.15 on the 17<sup>th</sup> of the month
- Double click an area of interest to display a more detailed graph in the graph viewer
- Heat map may be printed or downloaded (jpeg, pdf, etc.)



■ Low Energy Consumption

■ High Energy Consumption

## Site Details

Site Details shows any general details entered about the site, including utility suppliers

The screenshot displays the ADVISOR Energy Analytics interface. The top navigation bar is green with the ADVISOR logo and icons for Analytics, Reports, Data, Settings, and Dashboards. Below this, a dark green bar shows the 'Analytics' section with a back arrow and icons for help, info, and power. The main content area has a left sidebar with 'Datasources' and 'Calendar' tabs. The 'Datasources' tab is active, showing a list of sites with a search filter 'filter by name or type'. The list includes:
 

- Batterfield Stadium
- Central Stores
- EZ Dreams Hotel
- Faithful County Leisure Centre
- RK savings manufacturer
- ResourceKraft Office

 The main panel is titled 'Site Details - site level' and features a dropdown menu set to 'ResourceKraft Office'. Below the dropdown is a photo of the office building. To the right of the photo, the site name 'ResourceKraft Office' is displayed, followed by its address: 'Ireland, Invernia Hall, Henry Street, Limerick'. The manager's name, 'Peter O'Mahony', is listed below the address. Under the heading 'Utility Supplies:', there is a table with two columns: 'Type' and 'Tariff'. The table contains one entry: 'Low Voltage Max Demand' with a corresponding icon. At the bottom of the main panel, there are two tabs: 'Metrics Mapper - organization level' and 'Site League - site level'.

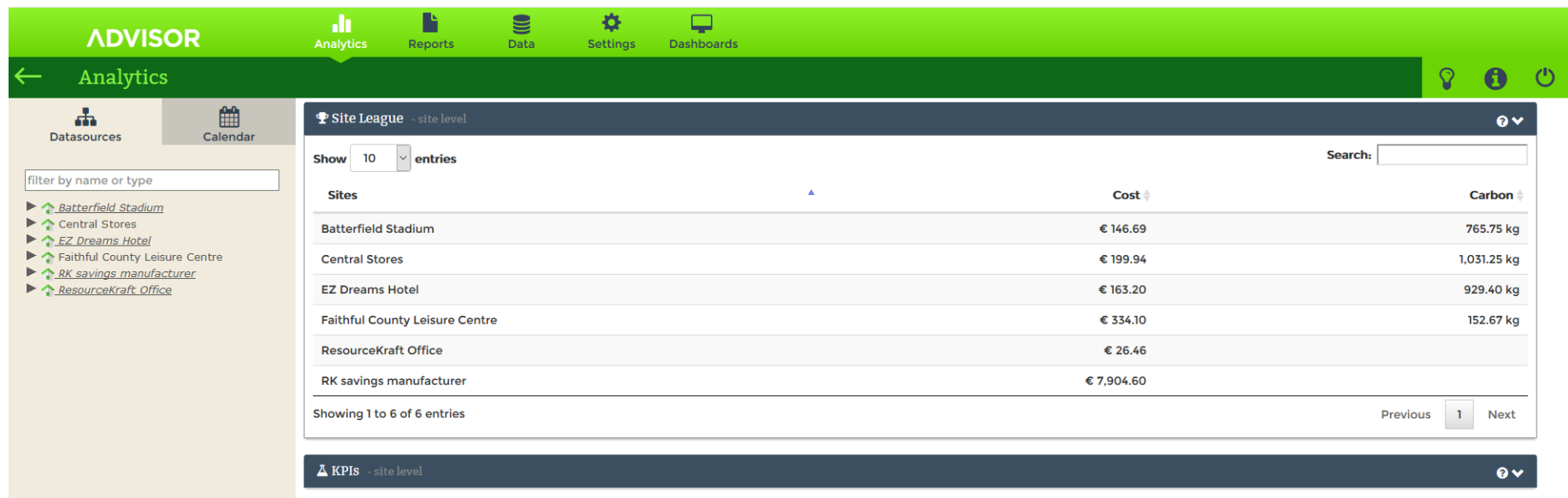
- The screenshot shows the 'Advisor' software interface. The top navigation bar includes 'Analytics', 'Reports', 'Data', 'Settings', and 'Dashboards'. The 'Metrics Mapper' tool is active, displaying a heatmap for 'organization level' metrics. The heatmap shows energy consumption data for various sites, with a color scale ranging from 100% Decrease (green) to 100% Increase (red). The 'Batterfield Stadium' site shows a significant increase in energy consumption, highlighted in red. Other sites like 'Central Stores' and 'EZ Dreams Hotel' show moderate increases, while 'Faithful County Leisure Centre' and 'RK savings manufacturer' show decreases. The 'Resourcecraft Office' site shows a significant decrease, highlighted in green.

Decrease in Usage

 No Change

## Site League

- The Site League will compare your sites against each other
- This is most useful for organisations with a number of sites of similar size and layout



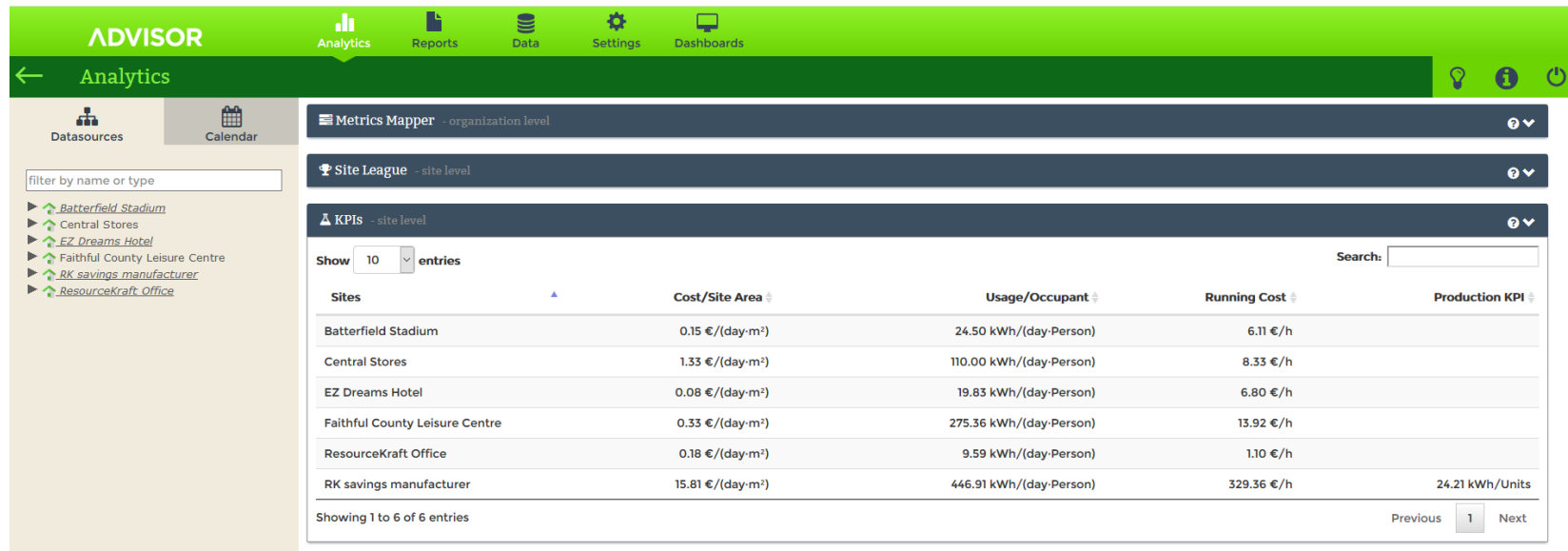
The screenshot shows the ADVISOR Energy Analytics interface. The top navigation bar is green with icons for Analytics, Reports, Data, Settings, and Dashboards. The left sidebar has a 'Datanources' tab selected, showing a list of sites: Batterfield Stadium, Central Stores, EZ Dreams Hotel, Faithful County Leisure Centre, RK savings manufacturer, and ResourceKraft Office. The main content area is titled 'Site League - site level' and displays a table of site performance metrics. The table has columns for Sites, Cost, and Carbon. The data is sorted by Cost, showing the following entries:

Sites	Cost	Carbon
Batterfield Stadium	€ 146.69	765.75 kg
Central Stores	€ 199.94	1,031.25 kg
EZ Dreams Hotel	€ 163.20	929.40 kg
Faithful County Leisure Centre	€ 334.10	152.67 kg
ResourceKraft Office	€ 26.46	
RK savings manufacturer	€ 7,904.60	

The interface also includes a search bar, a 'Show 10 entries' dropdown, and pagination controls at the bottom of the table.

## KPI'S

- There are three default KPI's:
  1. Your Cost/Site Area
  2. Your Usage/Occupant
  3. Your Running Cost (€/h)
- A unique KPI can be set up for your site to allow you to compare your own Key Performance Indicators against your usage. Examples of different KPI's can be seen in the screenshot here.



The screenshot shows the ADVISOR Energy Analytics interface. The top navigation bar includes 'Analytics', 'Reports', 'Data', 'Settings', and 'Dashboards'. The left sidebar shows 'Datasources' and 'Calendar' with a list of sites: Batterfield Stadium, Central Stores, EZ Dreams Hotel, Faithful County Leisure Centre, RK savings manufacturer, and ResourceKraft Office. The main content area displays the 'Metrics Mapper' for the organization level, followed by the 'Site League' for the site level. The 'KPIs' section for the site level shows a table with 6 entries, displaying various KPIs for different sites.

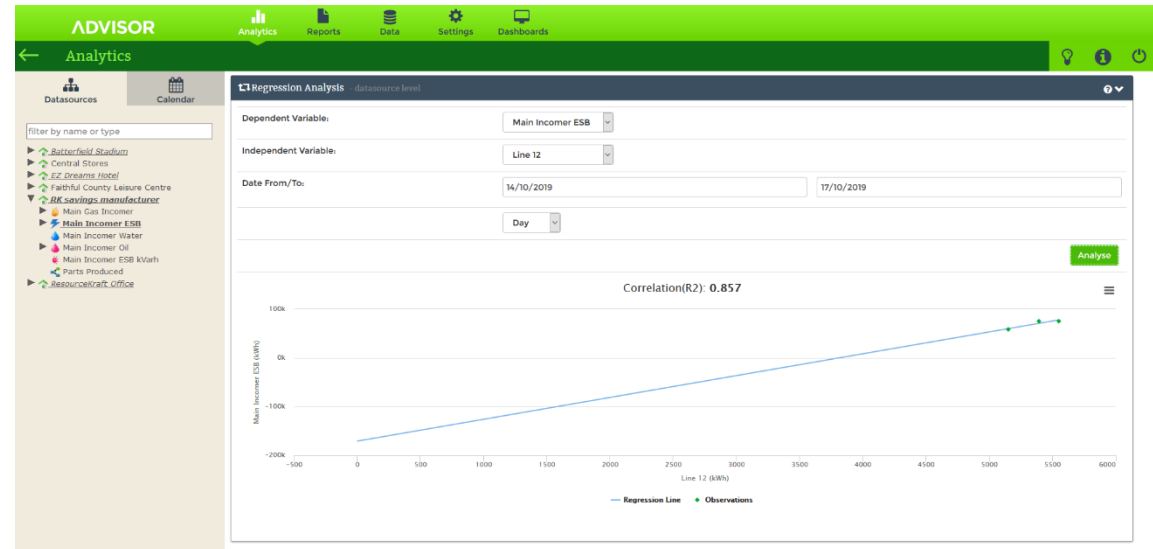
Sites	Cost/Site Area	Usage/Occupant	Running Cost	Production KPI
Batterfield Stadium	0.15 €/day-m²	24.50 kWh/day-Person	6.11 €/h	
Central Stores	1.33 €/day-m²	110.00 kWh/day-Person	8.33 €/h	
EZ Dreams Hotel	0.08 €/day-m²	19.83 kWh/day-Person	6.80 €/h	
Faithful County Leisure Centre	0.33 €/day-m²	275.36 kWh/day-Person	13.92 €/h	
ResourceKraft Office	0.18 €/day-m²	9.59 kWh/day-Person	1.10 €/h	
RK savings manufacturer	15.81 €/day-m²	446.91 kWh/day-Person	329.36 €/h	24.21 kWh/Units

Showing 1 to 6 of 6 entries



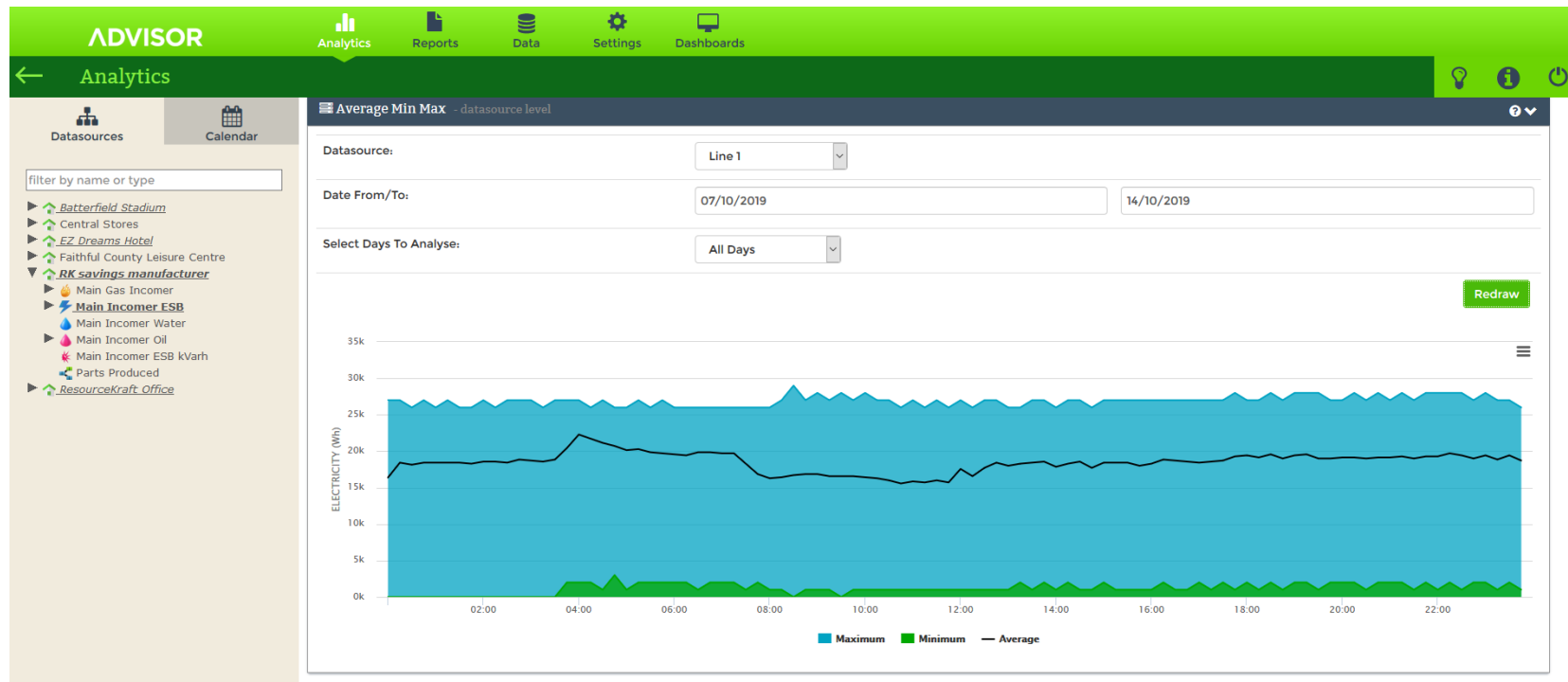
## Regression Analysis

- In statistical modeling, Regression Analysis is a statistical process for estimating the relationship among variables.
- It includes many techniques for modeling and analyzing several variables, when the focus is on the relationship between a dependent variable and one or more independent variables (or 'predictors').
- The aim of Regression Analysis is to verify if the two variables have a correlation with each other.
- This is represented by the  $R^2$  value here, which should be as close to 1 as possible. As you can see, these two datasources, do not have a correlated usage.



## Average Min Max

- The Average Min Max shows the following over a selected period:
  - The maximum usage
  - The minimum usage
  - The average between the two
- View is available over the 24 hours of a day
- The Average Min Max is used to find a baseline usage over the period specified



## Reports

### **Below is a list of our reports:**

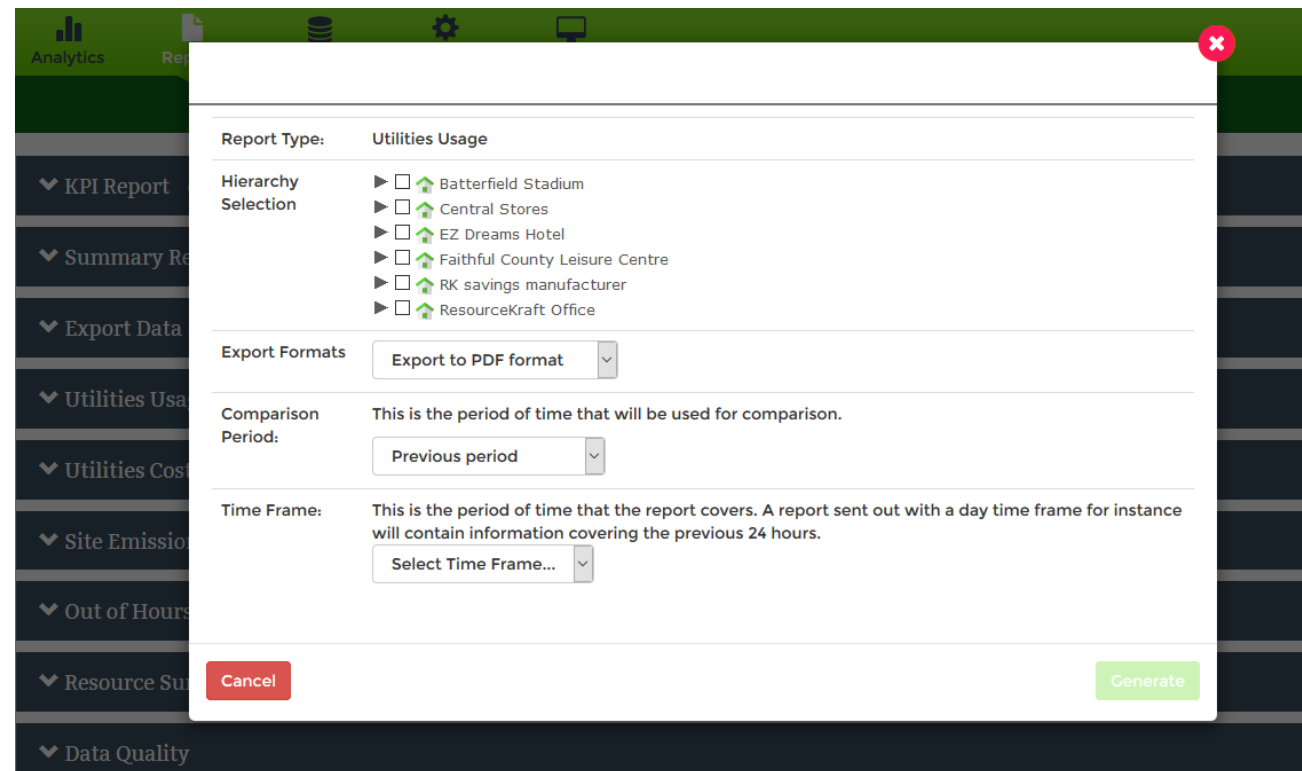
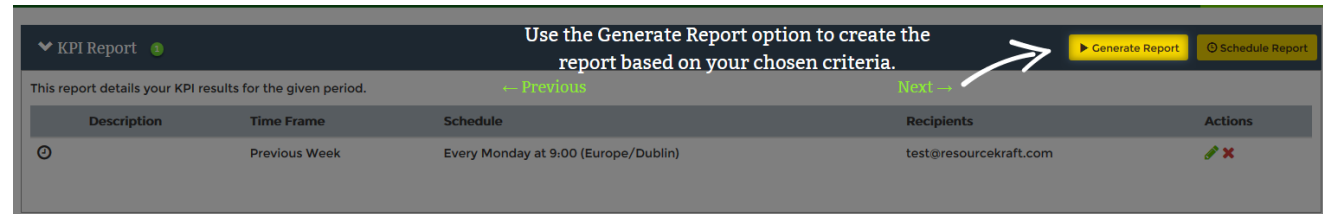
These can be generated and / or scheduled to be delivered via email.

- KPI Report: This report details your KPI results for the given period.
- Summary Report: This report provides an overview of energy cost and consumption for the selected period.
- Export Data: Allows export of raw data series into an Excel file.
- Utilities Usage: This report provides a breakdown of the energy usage of your organisation over a selected time frame. Totals and trends for each resource type (electricity, gas, etc.) are represented. A detailed breakdown of usage for each datasource is also provided, identifying key metrics such as peak, avg and total usage.
- Utilities Cost: This report gives you detailed cost information on all datasources in your organisation that have a cost or tariff associated with them. Site cost totals are also compiled, and their trends identified.
- Site Emissions: This report details the carbon emissions for your organisation on a per datasource basis.
- Out of Hours Electrical Consumption: This report gives you a detailed breakdown of the electricity being consumed in each of your sites during out of hours periods.
- Resource Summary Report: This report gives you a detailed breakdown of the resources that are being used on each site.
- Data Quality: This report provides a detailed breakdown of the percentage of collected data for each site and datasource for the given period.
- Utilities Summary: This gives a summary of the resources that are being used on each site.
- Comparative Utilities Detailed: Detailed utility cost and usage data in chart and tabular formats. Comparison with previous period.
- Temperature and Humidity Detailed: Detailed temperature and humidity data with charts. Organized by sites and/or site groups.
- Tariff Report: Allows tariffs to be analysed across an organisation.

## Generating a Report

To generate a report, click generate and follow the steps:

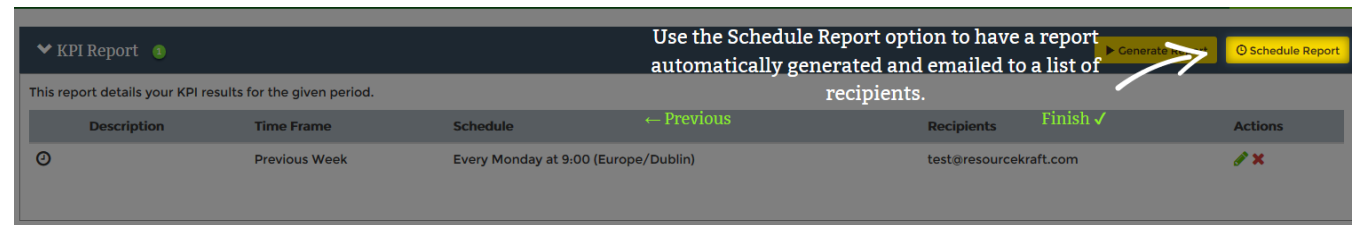
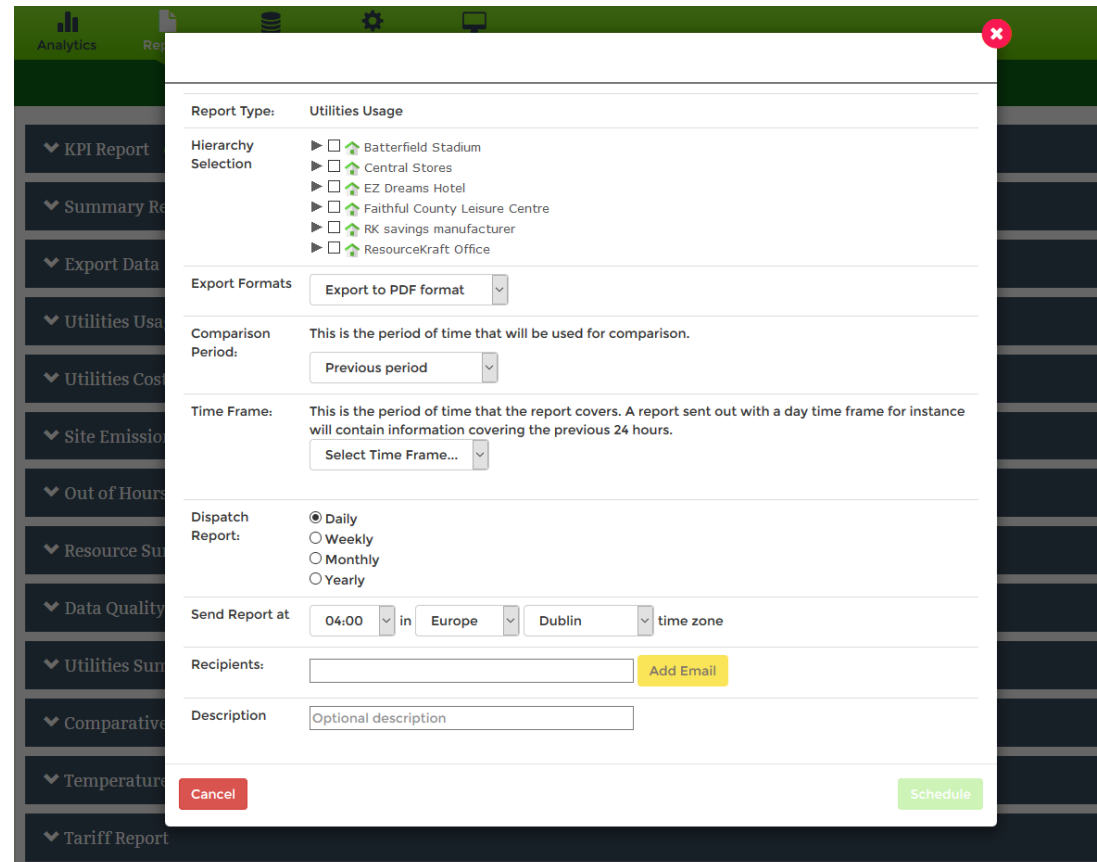
- Select the period
  - Rolling
  - Fixed
- Select the comparison period
  - Previous period
  - Same period last year
- Select the report format
  - Web
  - .PDF
  - .CSV
  - .DOCX
  - .RTF
- Select the site filer
  - Which site(s) do you want to generate a report for?



## Scheduling a Report

To schedule a report, click schedule and follow these steps:

- Select the applicable datasource(s)
- Select the export format
  - .PDF
  - .CSV
  - .DOCX
  - .RTF
- Select the comparison period
  - Previous period
  - Same period last year
- Select the time frame
  - Current Day
  - Previous Day
  - Previous Week
  - Previous Month
  - Current Year
  - Previous Year
- Select the dispatch frequency
  - Daily
  - Weekly
  - Monthly
  - Yearly
- Select the time the report will dispatch
- Add the report recipients

Report Type: Utilities Usage

Hierarchy Selection

- ☐ Batterfield Stadium
- ☐ Central Stores
- ☐ EZ Dreams Hotel
- ☐ Faithful County Leisure Centre
- ☐ RK savings manufacturer
- ☐ ResourceKraft Office

Export Formats: Export to PDF format

Comparison Period: This is the period of time that will be used for comparison.  
Previous period

Time Frame: This is the period of time that the report covers. A report sent out with a day time frame for instance will contain information covering the previous 24 hours.  
Select Time Frame...

Dispatch Report: ☒ Daily ☐ Weekly ☐ Monthly ☐ Yearly

Send Report at: 04:00 in Europe Dublin time zone

Recipients:  Add Email

Description: Optional description

Cancel Schedule

# Data

## Events

- The Events page shows an Event Log of all events that have happened on your Advisor account in chronological order.
- An event occurs when:
  - An Alert is triggered (See page 27 for how to create an Alert)
  - A Note is created

ADVISOR

Analytics

Reports

Data

Settings

Dashboards

← Data

💡

ℹ

🔌

Events

System Status

Export Data

Manual Data Entry

Events

Events are created when an alert is triggered or a user enters a note against a datasource in the Data Viewer.

🔍 Search

Remove	Description	Date	Snapshot
	Zero Consumption Alert triggered by ResourceKraft Demo Site->EZ Dreams Hotel->ESB Main Incomer at 22 Sep 2019 13:59:59, no consumption recorded for the last 750.00 min	22/09/2019 13:59	
	Zero Consumption Alert triggered by ResourceKraft Demo Site->EZ Dreams Hotel->ESB Main Incomer at 22 Sep 2019 01:29:59, no consumption recorded for the last 750.00 min	22/09/2019 01:29	
✖	Line 3, by:AAEnergy Show Shutdown	19/09/2019 12:30	
	Zero Consumption Alert triggered by ResourceKraft Demo Site->EZ Dreams Hotel->ESB Main Incomer at 17 Sep 2019 04:29:59, no consumption recorded for the last 750.00 min	17/09/2019 04:29	
	Zero Consumption Alert triggered by ResourceKraft Demo Site->EZ Dreams Hotel->ESB Main Incomer at 16 Sep 2019 15:59:59, no consumption recorded for the last 750.00 min	16/09/2019 15:59	

## System Status

- The System Status page shows the status of all your datasources.
- A green circle means the datasource is online.
- A black circle with an x in the center means it has been disabled.
- A red circle with an exclamation mark means the datasource is offline.

ADVISOR

Analytics

Reports

Data

Settings

Dashboards

← Data

⚡

ℹ

🔌

Events

System Status

Export Data

Manual Data Entry

### System Status

Q

Status ▾	Type ▾	Datasource ▾	Site ▾	Details ▾	Latest Value ▾	Time Since Last Update ▾
●	⚡	East Stand	Batterfield Stadium	\n6463: East / West Total	52.00kW	0d 0h
●	⚡	Main ESB Supply	Batterfield Stadium		64.80kW	0d 0h
●	⚡	West Stand	Batterfield Stadium	\n6463: East / West Total	12.00kW	0d 0h
●	⚡	Lighting Panel	Central Stores		12.00kW	0d 0h
●	⚡	Sub Board Main Incomer	Central Stores		136.00kW	0d 0h
●	⚡	Bar	EZ Dreams Hotel	\n1145: Unmetered	21.20kW	0d 0h
●	⚡	ESB Main Incomer	EZ Dreams Hotel	\n1145: Unmetered	42.24kW	0d 0h
●	⚡	Leisure Centre	EZ Dreams Hotel	\n1145: Unmetered	0.00kW	0d 0h
●	⚡	Restaurant	EZ Dreams Hotel	\n1145: Unmetered	27.60kW	0d 0h
●	⚡	Spa.	EZ Dreams Hotel	\n1145: Unmetered	26.40kW	0d 0h

« 1 2 3 4 5 6 »

10 25 50 100

## Export Data

A data export can be scheduled on the Reports page. To manually export data to Excel, follow these steps:

- Select the datasource you would like to export the data for.
- Use the green arrows to expand your datasource choice.
- Select the dates between which you want to export data for.
- The dates must be coloured blue as seen in the image.
- Then select your granularity and click on the submit button.

**Note:** The submit button will only be selectable once all criteria for selection are met.

From: < October 2019 >

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
40	30	01	02	03	04	05	06
41	07	08	09	10	11	12	13
42	14	15	16	17	18	19	20
43	21	22	23	24	25	26	27
44	28	29	30	31	01	02	03
45	04	05	06	07	08	09	10

To: < October 2019 >

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
40	30	01	02	03	04	05	06
41	07	08	09	10	11	12	13
42	14	15	16	17	18	19	20
43	21	22	23	24	25	26	27
44	28	29	30	31	01	02	03
45	04	05	06	07	08	09	10

Granularity: Fifteen Minutes

File Format: ☒ Excel ☐ CSV

Column Header: ☒ Full Path Description ☐ Short Description

Submit Cancel

ADVISOR

Analytics

Reports

Data

Settings

Dashboards

← Data

Events

System Status

Export Data

Manual Data Entry

## Export Data

First, expand the datasource tree and choose your datasources. Note that you can select end-point datasources or datasources at higher levels. Next, select the date/time range and choose the level of granularity that you require. Pick the file format that you require. Then click the 'Export' button.

### Select Your Metrics

Batterfield Stadium

Main ESB Supply

Stand Total

Museum Attendance

Central Stores

EZ Dreams Hotel

### Choose Your Date & Format

Metrics:

Usage/Value

Cost

CO<sub>2</sub> Carbon

Power Factor

Organisation/Site Totals:

Electricity

Gas

Energy

Reactive Energy

Water

Oil

Humidity

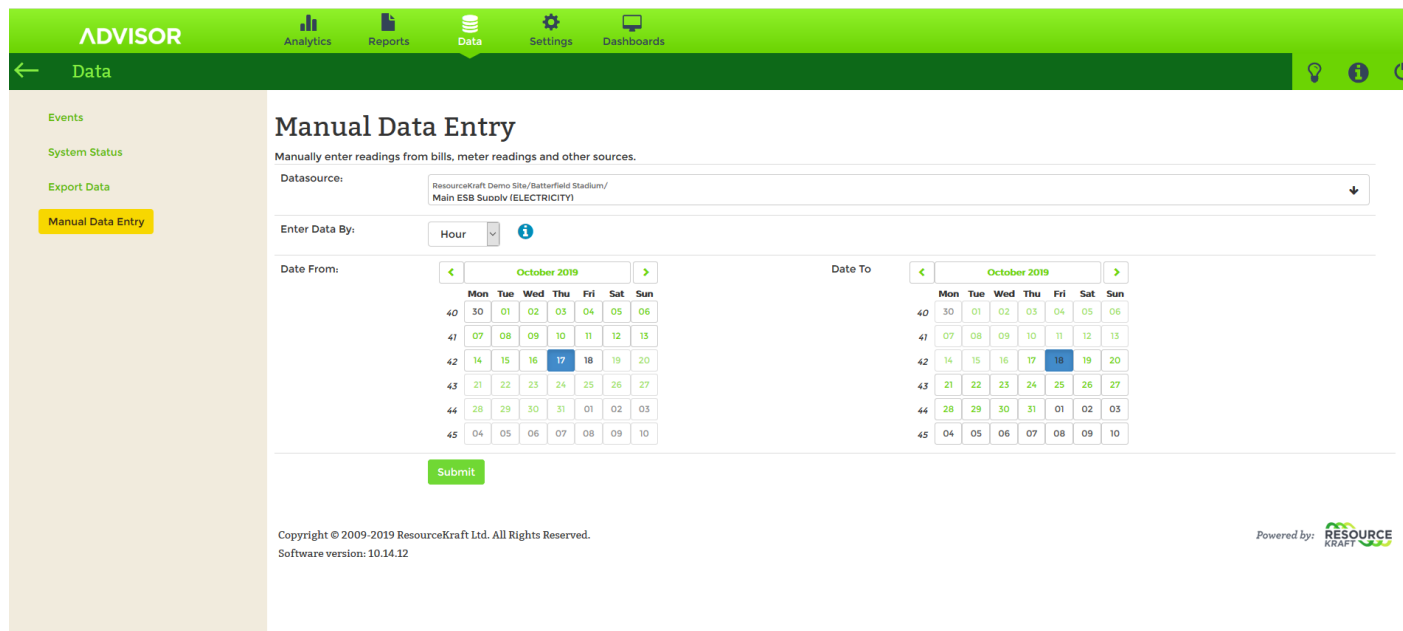
Temperature

21 | Page



## Manual Data Entry

- Manual Data Entry is the area used to enter data for datasources.
- This is normally used for external factors & KPI's.
- To enter data, select a site and a datasource.
- Select the granularity at which you want to enter the data.
- Select the dates you are entering data for and click on submit then enter your data and then click on save.
- There is a restriction on the amount of data you can enter at a time (1 month, 4 weeks, 28 days, or 24 hours).



The screenshot shows the 'Manual Data Entry' page in the ADVISOR system. The interface includes a top navigation bar with 'Analytics', 'Reports', 'Data', 'Settings', and 'Dashboards'. A left sidebar contains 'Events', 'System Status', 'Export Data', and a highlighted 'Manual Data Entry' button. The main content area is titled 'Manual Data Entry' and includes a sub-header 'Manually enter readings from bills, meter readings and other sources.' Below this, there is a 'Datasource:' dropdown menu showing 'ResourceKraft Demo Site/Batterfield Stadium/ Main ESB Supoolv (ELECTRICITY)'. The 'Enter Data By:' section has a 'Hour' dropdown. The 'Date From:' and 'Date To:' sections both show 'October 2019' with calendar views. The 'Date From' calendar has the 17th selected, and the 'Date To' calendar has the 18th selected. A 'Submit' button is located below the date selection. At the bottom, there is a copyright notice: 'Copyright © 2009-2019 ResourceKraft Ltd. All Rights Reserved. Software version: 10.14.12' and a 'Powered by: RESOURCE KRAFT' logo.

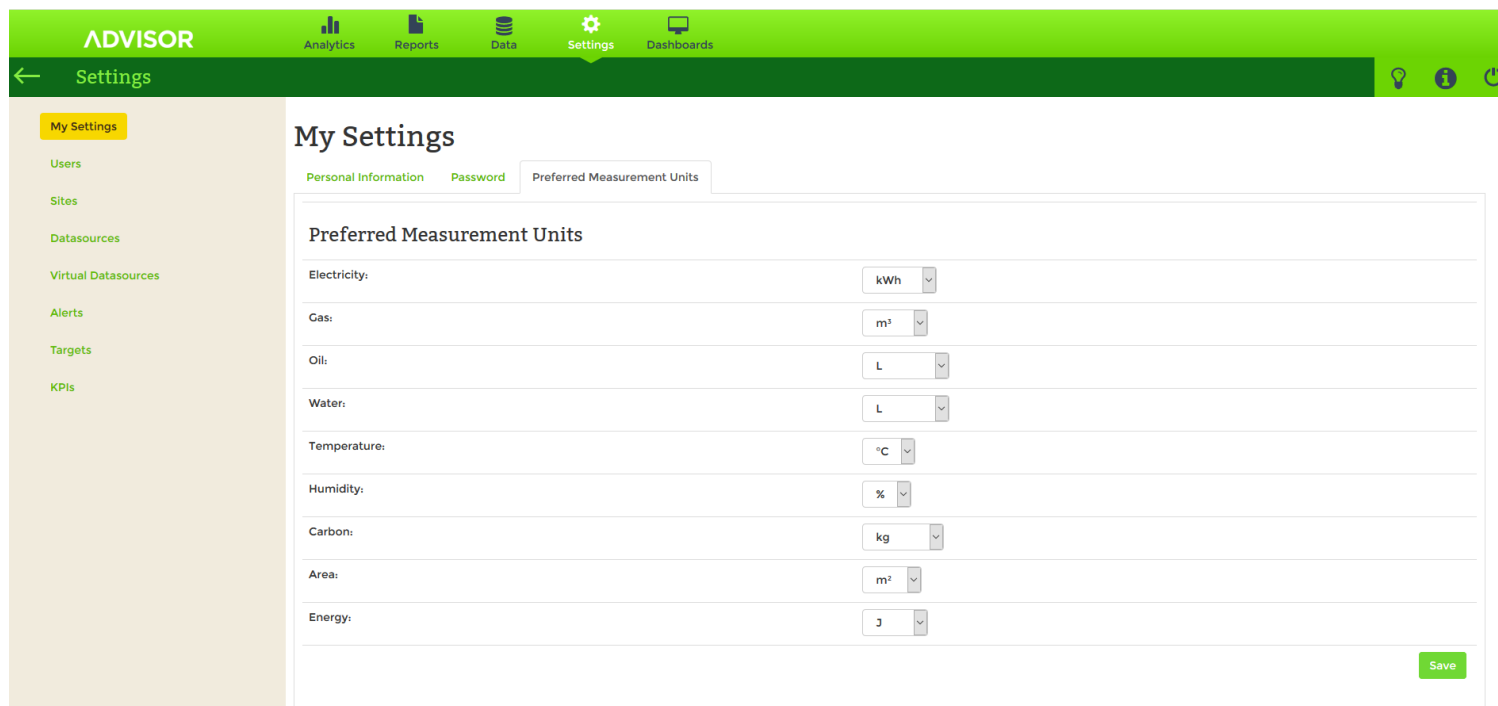
# Settings

Details about administration functions are found in this section.

## My Settings

In the My Settings tab you can:

- Edit your general settings
- Change your password
- Change your preferred measurement for each datasource type



**ADVISOR** Analytics Reports Data Settings Dashboards

← Settings

**My Settings**

Personal Information Password Preferred Measurement Units

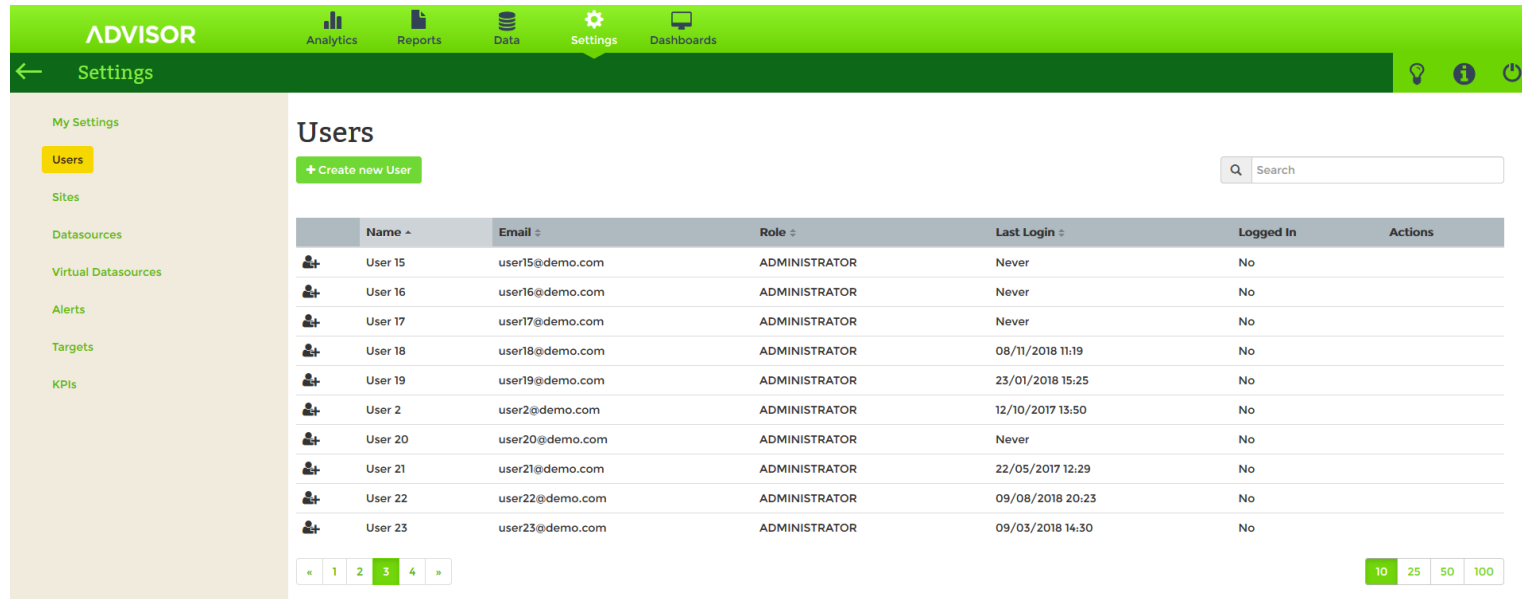
**Preferred Measurement Units**

Electricity:	kWh
Gas:	m³
Oil:	L
Water:	L
Temperature:	°C
Humidity:	%
Carbon:	kg
Area:	m²
Energy:	J

Save

## Users

- The Users Page is where you can view, add or edit users.
- To add a user, click on the Create New User button on the top of the screen.
- To edit an existing user, click on the green pencil beside the user's name
- To delete a user, click on the red x beside the user's name.
- Only the ResourceKraft Support team can edit another Administrators account. If you wish to change an Administrator account, please email us on [Support@ResourceKraft.com](mailto:Support@ResourceKraft.com)

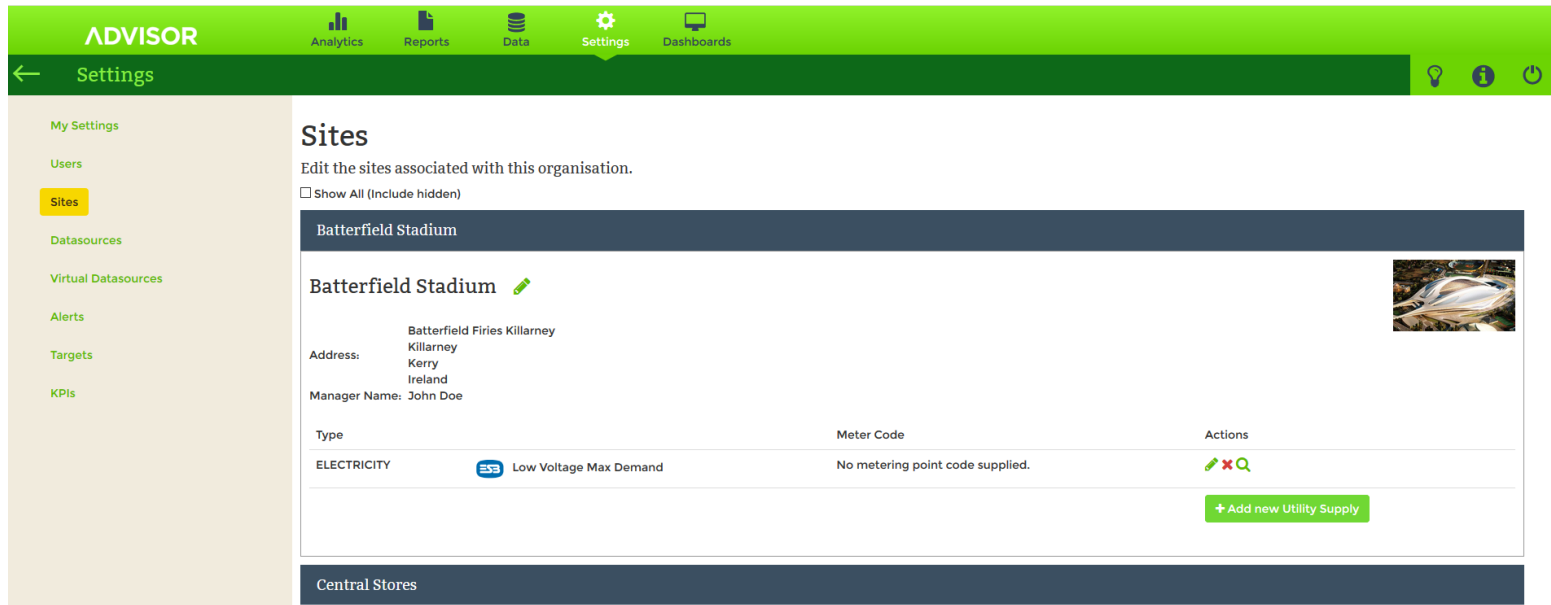


The screenshot shows the ADVISOR web application interface. The top navigation bar is green with the ADVISOR logo and icons for Analytics, Reports, Data, Settings (active), and Dashboards. Below this is a dark green sidebar with a back arrow and the word 'Settings'. The main content area is titled 'Users' and features a '+ Create new User' button. A search bar is located on the right. Below the search bar is a table with columns: Name, Email, Role, Last Login, Logged In, and Actions. The table lists 10 users, all with the role of ADMINISTRATOR. At the bottom of the table, there are pagination controls showing '1 2 3 4' and a range selector '10 25 50 100'.

Name	Email	Role	Last Login	Logged In	Actions
User 15	user15@demo.com	ADMINISTRATOR	Never	No	
User 16	user16@demo.com	ADMINISTRATOR	Never	No	
User 17	user17@demo.com	ADMINISTRATOR	Never	No	
User 18	user18@demo.com	ADMINISTRATOR	08/11/2018 11:19	No	
User 19	user19@demo.com	ADMINISTRATOR	23/01/2018 15:25	No	
User 2	user2@demo.com	ADMINISTRATOR	12/10/2017 13:50	No	
User 20	user20@demo.com	ADMINISTRATOR	Never	No	
User 21	user21@demo.com	ADMINISTRATOR	22/05/2017 12:29	No	
User 22	user22@demo.com	ADMINISTRATOR	09/08/2018 20:23	No	
User 23	user23@demo.com	ADMINISTRATOR	09/03/2018 14:30	No	

## Sites

- The Sites page provides general information about your sites.
- This information will be provided by Users.
- To view details for each of your sites, simply click on the site you are interested in.
- You can edit the site details by clicking on the green pencil beside the site name.
- Here you can set:
  - Site working hours
  - Site occupancy
  - Site address and other general information such as manager name



The screenshot shows the 'Settings' page in the Advisor Energy Analytics application. The left sidebar contains a menu with options: My Settings, Users, Sites (highlighted), Datasources, Virtual Datasources, Alerts, Targets, and KPIs. The main content area is titled 'Sites' and includes a sub-header 'Edit the sites associated with this organisation.' and a checkbox 'Show All (include hidden)'. Below this, there is a section for 'Batterfield Stadium' with a green pencil icon for editing. The details for 'Batterfield Stadium' are as follows:

Type	Meter Code	Actions
ELECTRICITY	Low Voltage Max Demand	No metering point code supplied.

Below the table, there is a green button labeled '+ Add new Utility Supply'. At the bottom of the page, there is a section for 'Central Stores'.

## Datasources

- To view the Datasources select the site you are interested in and they will appear in the drop down.
- You can see if a datasource is enabled/disabled by the green tick box above. If you wish to enable/disable a datasource please contact [Support@ResourceKraft.com](mailto:Support@ResourceKraft.com).
- You can edit a datasource if you wish to add in a description or change the name by clicking on the green pencil.

ADVISOR

Analytics

Reports

Data

Settings

Dashboards

← Settings

💡

👤

🔌

My Settings

Users

Sites

Datasources

Virtual Datasources

Alerts

Targets

KPIs

### Datasources

To add extra datasources, please contact ResourceKraft.  
If you wish to add an external factor, please click [here](#).

☐ Show All (Include hidden)

Batterfield Stadium (6 Datasources)

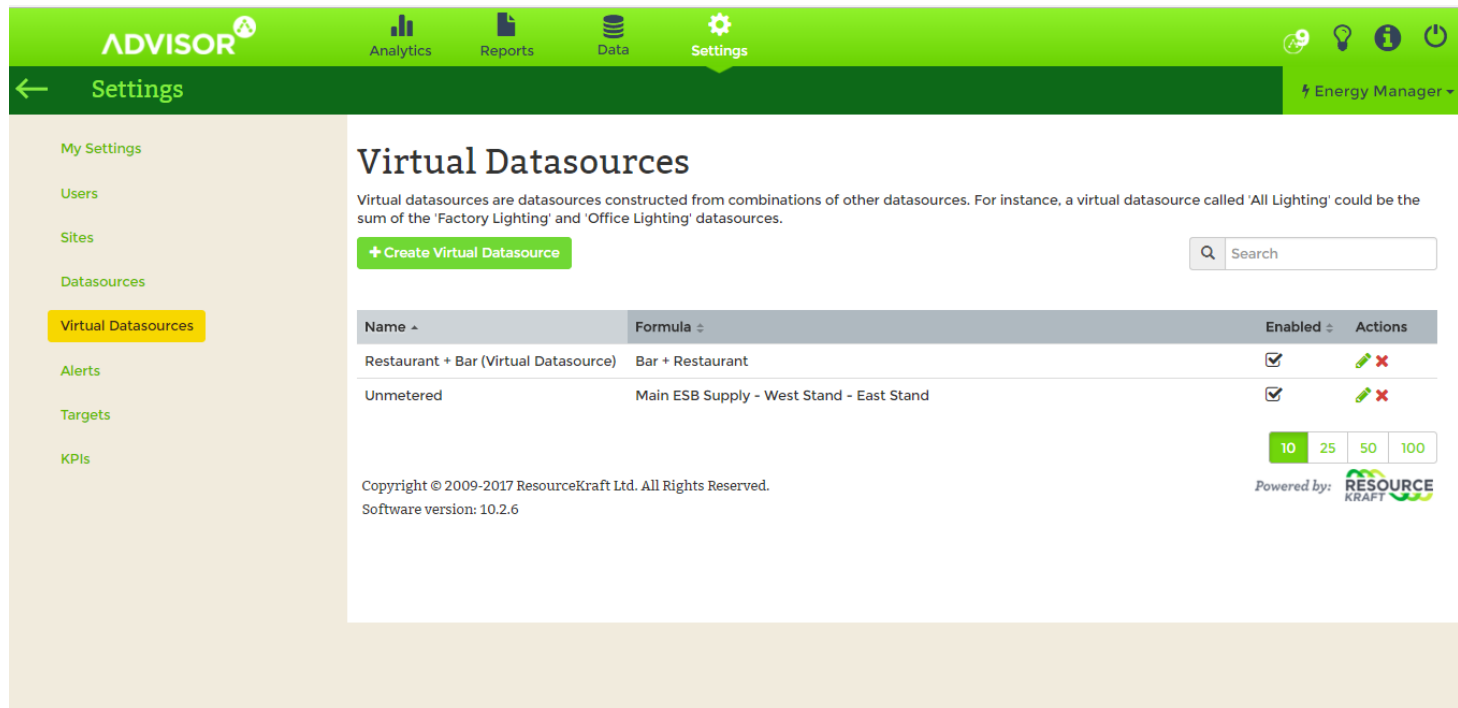
Central Stores (6 Datasources)

EZ Dreams Hotel (7 Datasources)

Name	Type	Physical ID	Hidden	Enabled	Actions	Benchmark
Bar	ELECTRICITY	MODBUS-32-c4	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
ESB Main Incomer	ELECTRICITY	MODBUS-32-c6	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Leisure Centre	ELECTRICITY	MODBUS-32-c2	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Restaurant	ELECTRICITY	MODBUS-32-c1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Restaurant + Bar (Virtual Datasource)	ELECTRICITY		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Spa.	ELECTRICITY	MODBUS-32-c3	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Total Demo Site	ELECTRICITY		<input type="checkbox"/>	<input checked="" type="checkbox"/>		

## Virtual Datasources

- A Virtual Datasource is the equivalent of several real datasources grouped together to form one datasource.
- Virtual Datasources usually exist because there is a commonality between the datasources e.g. All the electrical datasources in Building 'A' are added together to create a Virtual Datasource called "Building 'A' Electrical Total".
- On this page Virtual Datasources can be created, enabled, disabled, edited or deleted using the icons.



**ADVISOR** Analytics Reports Data Settings

← Settings Energy Manager

My Settings  
Users  
Sites  
Datasources  
**Virtual Datasources**  
Alerts  
Targets  
KPIs

### Virtual Datasources

Virtual datasources are datasources constructed from combinations of other datasources. For instance, a virtual datasource called 'All Lighting' could be the sum of the 'Factory Lighting' and 'Office Lighting' datasources.

+ Create Virtual Datasource

Search

Name	Formula	Enabled	Actions
Restaurant + Bar (Virtual Datasource)	Bar + Restaurant	<input checked="" type="checkbox"/>	
Unmetered	Main ESB Supply - West Stand - East Stand	<input checked="" type="checkbox"/>	

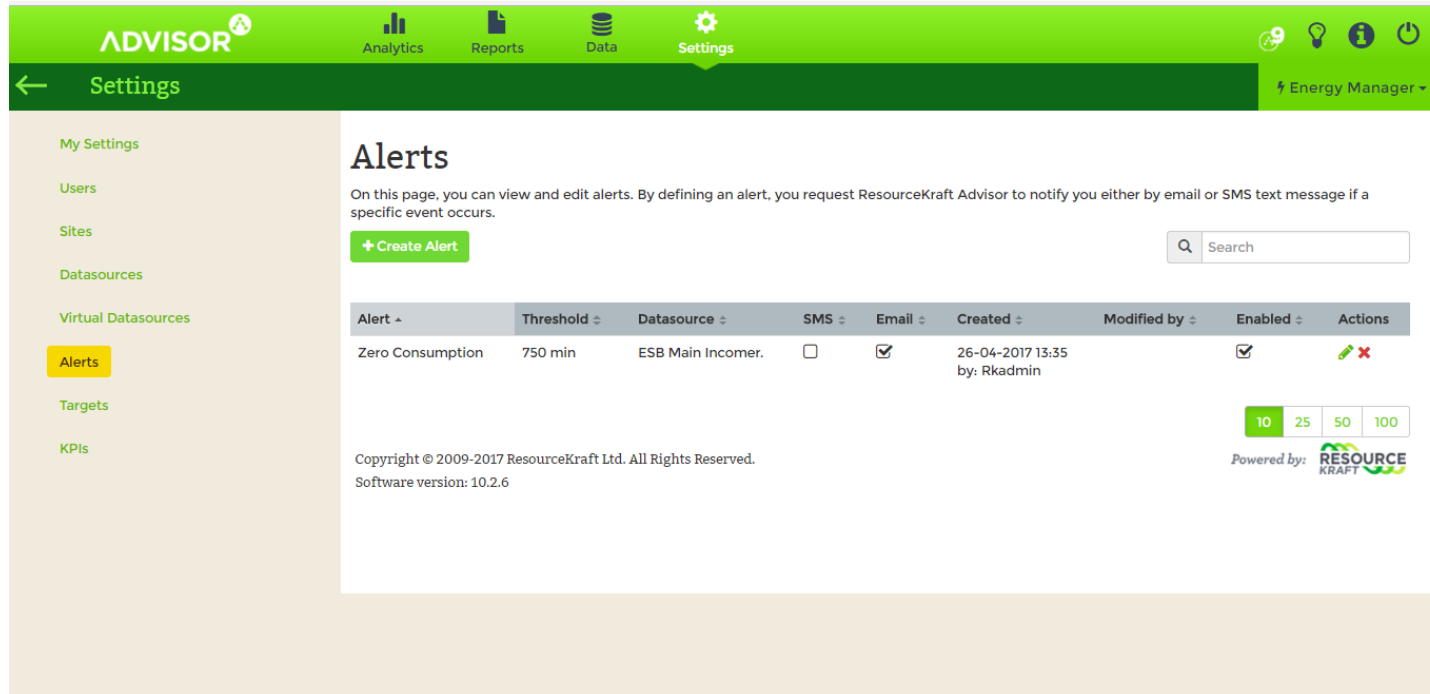
10 25 50 100

Copyright © 2009-2017 ResourceKraft Ltd. All Rights Reserved.  
Software version: 10.2.6

Powered by: **RESOURCE KRAFT**

## Alerts

- The Alerts page is used to create, enable, disable, edit and delete Alerts.
- When creating an Alert click on Create Alert and follow the on-screen steps.
- For assistance in setting up Alerts, please contact the ResourceKraft Support Team on [Support@ResourceKraft.com](mailto:Support@ResourceKraft.com).



The screenshot shows the ADVISOR Energy Analytics interface. The top navigation bar includes links for Analytics, Reports, Data, and Settings. The left sidebar lists various settings categories, with 'Alerts' highlighted. The main content area is titled 'Alerts' and contains a description, a 'Create Alert' button, a search bar, and a table of existing alerts.

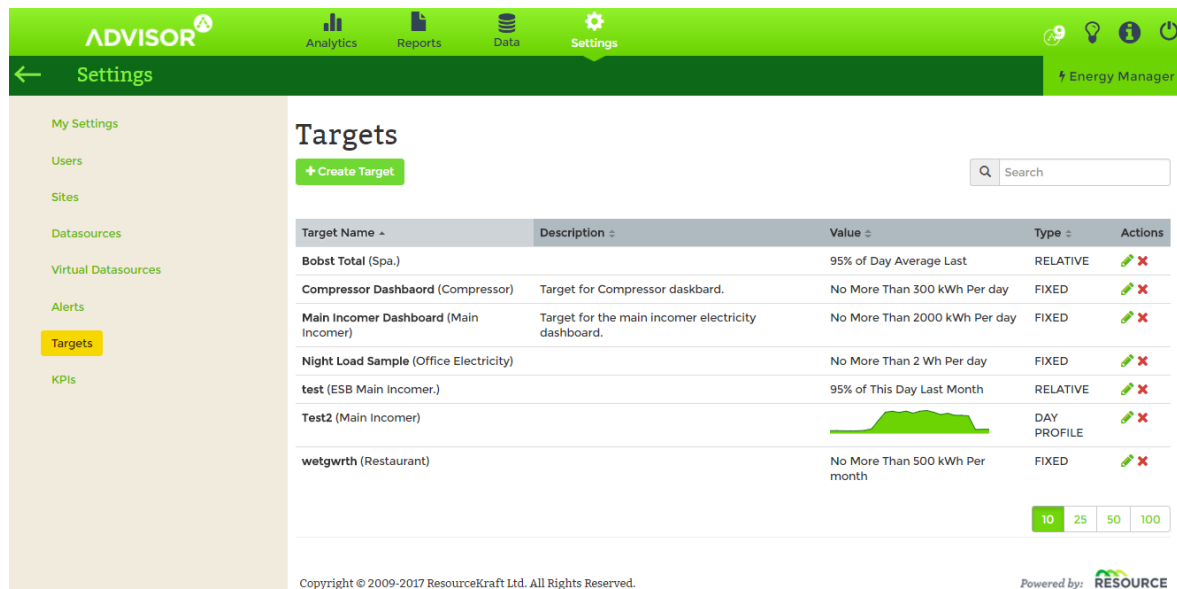
Alert	Threshold	Datasource	SMS	Email	Created	Modified by	Enabled	Actions
Zero Consumption	750 min	ESB Main Incomer.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	26-04-2017 13:35 by: Rkadmin		<input checked="" type="checkbox"/>	

Copyright © 2009-2017 ResourceKraft Ltd. All Rights Reserved.  
Software version: 10.2.6

Powered by: RESOURCE KRAFT

## Targets

- The Targets page is used to create, edit or delete targets.
- For assistance in setting up Targets, please contact the ResourceKraft Support Team on: [Support@ResourceKraft.com](mailto:Support@ResourceKraft.com).



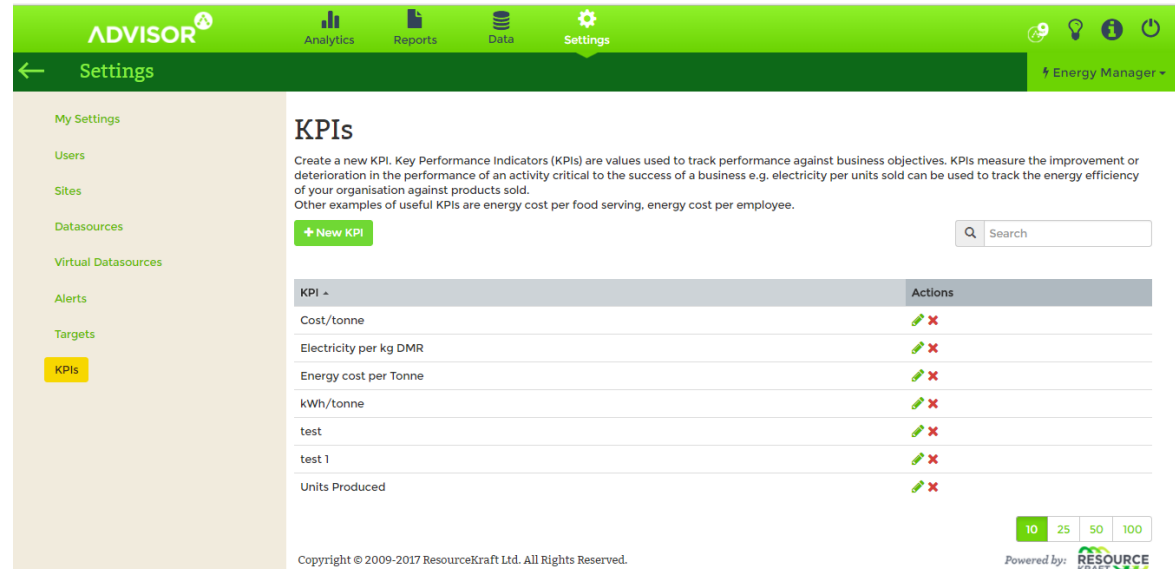
The screenshot shows the ADVISOR Energy Analytics interface. The top navigation bar includes 'Analytics', 'Reports', 'Data', and 'Settings'. The left sidebar lists various settings categories, with 'Targets' highlighted. The main content area is titled 'Targets' and features a '+ Create Target' button and a search bar. A table lists several targets with columns for Target Name, Description, Value, Type, and Actions. The targets include 'Bobst Total (Spa.)', 'Compressor Dashboard (Compressor)', 'Main Incomer Dashboard (Main Incomer)', 'Night Load Sample (Office Electricity)', 'test (ESB Main Incomer.)', 'Test2 (Main Incomer)', and 'wetgwrth (Restaurant)'. The 'test' target includes a small area chart showing a peak. At the bottom, there are pagination controls for 10, 25, 50, and 100 items, and a footer indicating the page is powered by RESOURCE.

Target Name	Description	Value	Type	Actions
Bobst Total (Spa.)		95% of Day Average Last	RELATIVE	
Compressor Dashboard (Compressor)	Target for Compressor dashboard.	No More Than 300 kWh Per day	FIXED	
Main Incomer Dashboard (Main Incomer)	Target for the main incomer electricity dashboard.	No More Than 2000 kWh Per day	FIXED	
Night Load Sample (Office Electricity)		No More Than 2 Wh Per day	FIXED	
test (ESB Main Incomer.)		95% of This Day Last Month	RELATIVE	
Test2 (Main Incomer)			DAY PROFILE	
wetgwrth (Restaurant)		No More Than 500 kWh Per month	FIXED	



## KPI's

- A Key Performance Indicator (KPI) is a quantifiable measure used to evaluate the success of an organization, employee, etc. in meeting objectives for performance.
- In Advisor, KPI is a factor measured against the electricity main incomer.



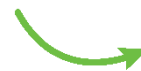
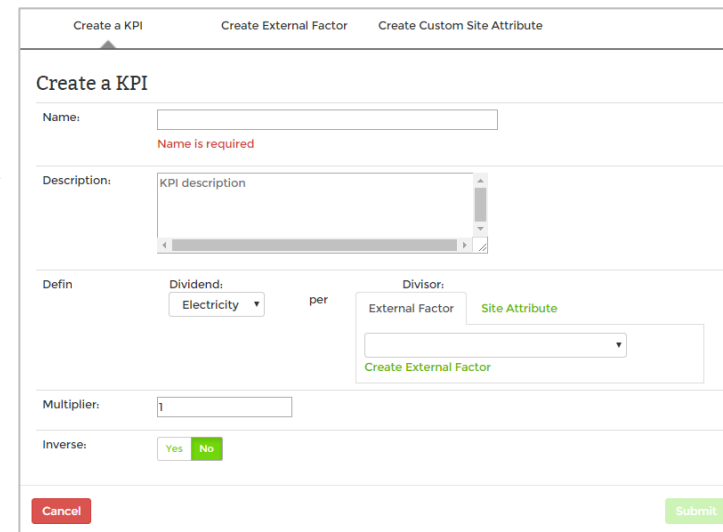
The screenshot shows the 'Settings' page in the Advisor Energy Analytics application. The left sidebar contains a menu with options: My Settings, Users, Sites, Datasources, Virtual Datasources, Alerts, Targets, and KPIs (highlighted in yellow). The main content area is titled 'KPIs' and includes a description: 'Create a new KPI. Key Performance Indicators (KPIs) are values used to track performance against business objectives. KPIs measure the improvement or deterioration in the performance of an activity critical to the success of a business e.g. electricity per units sold can be used to track the energy efficiency of your organisation against products sold. Other examples of useful KPIs are energy cost per food serving, energy cost per employee.' Below the description is a '+ New KPI' button and a search bar. A table lists existing KPIs with their names and actions (edit and delete icons):

KPI	Actions
Cost/tonne	
Electricity per kg DMR	
Energy cost per Tonne	
kWh/tonne	
test	
test 1	
Units Produced	

At the bottom right, there are filters for 10, 25, 50, and 100 items, and a note 'Powered by: RESOURCE KRAFT'.

## Creating a KPI

- To create a new KPI click on Create KPI button. The page opposite will appear.
- Click on "Create External Factor" to set up an External Factor – e.g. Units produced.
- This will need to be updated manually as detailed in the Manual Data Entry section.

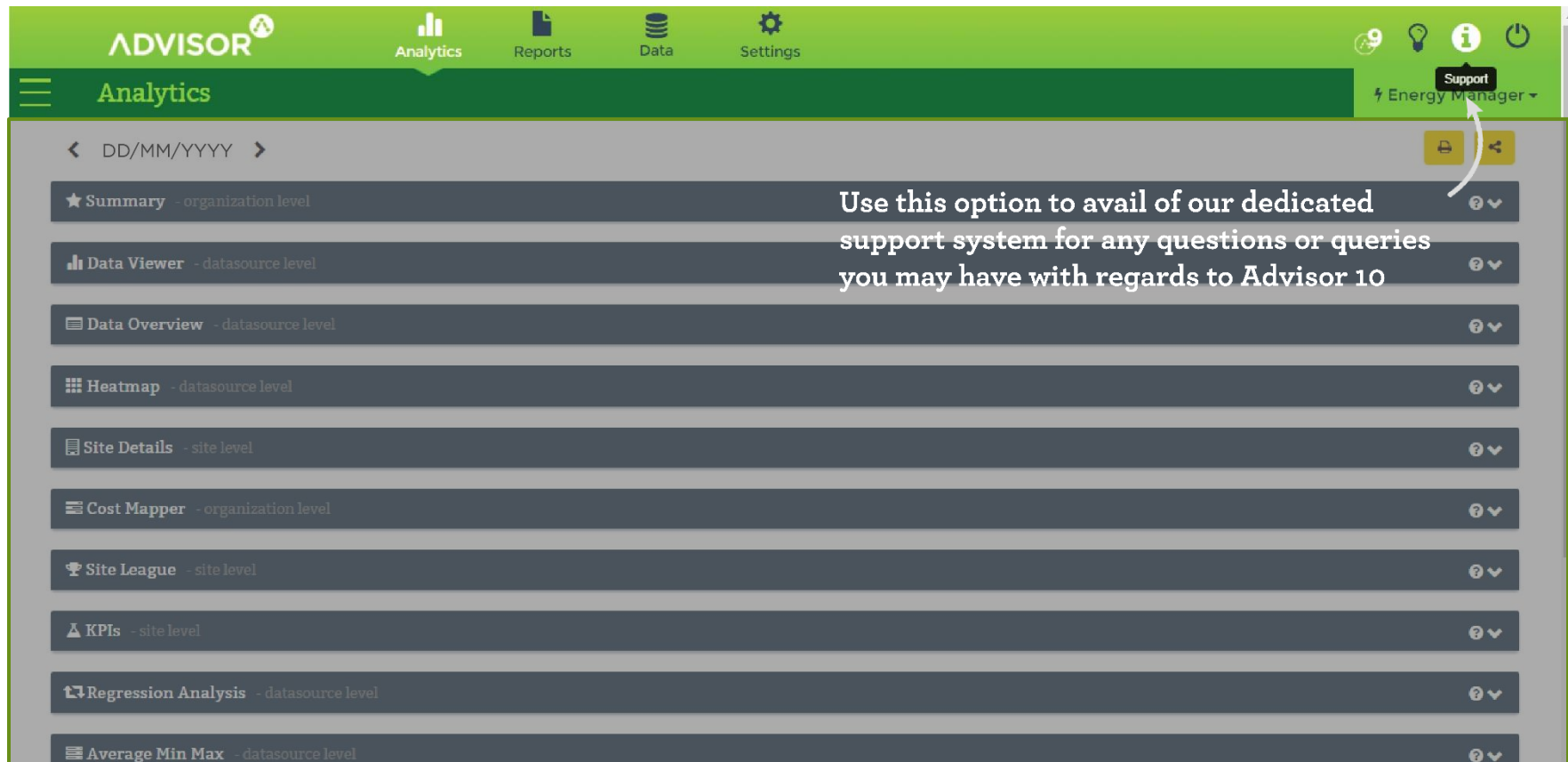



The screenshot shows the 'Create a KPI' form. At the top, there are three tabs: 'Create a KPI' (selected), 'Create External Factor', and 'Create Custom Site Attribute'. The form fields are as follows:

- Name:** A text input field with a red error message 'Name is required' below it.
- Description:** A text area with the placeholder text 'KPI description'.
- Defin:** A section containing:
  - Dividend:** A dropdown menu with 'Electricity' selected.
  - per:** A text input field.
  - Divisor:** A dropdown menu with 'External Factor' selected. Below it is a 'Create External Factor' button.
- Multiplier:** A text input field with the value '1'.
- Inverse:** Two radio buttons, 'Yes' and 'No', with 'No' selected.
- Buttons:** 'Cancel' and 'Submit' buttons at the bottom.

## Ongoing Support

There is an Information button on the top right of the screen which allows you to reach out to our Customer Experience Team with any questions of queries you may have, and they are always more than happy to help in any way they can.



Should you have any queries about any of the information contained within this document, please do not hesitate to contact our Support Team on:

Tel: +353 (0)1 905 2999 | Email: [Support@ResourceKraft.com](mailto:Support@ResourceKraft.com)