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www.3egreen.com

About 3Egreen

About US

Founded in 2014 3Egreen is a leading high-tech professional provider of intelligent management service system and market leader in low-carbon transformation. As a high-tech company and professional IoT solutions provider 3Egreen solution can monitor and analyze the power consumption of each device, and even calculate the carbon emissions, assisting enterprises in their digital + low-carbon dual-axis transformation.

Mission

We accelerate the transition to low carbon and energy management. By combining our know-how with digital systems, we create the necessary transparency to simplify the management of compliance, & sustainability.

Vision

To be the best partner to fully move towards low-carbon transformation.

Purpose

Advancing digitalization for low carbon transformation without high cost.

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3Egreen Core Competence



Solution

- Industry domain know-how
- Hardware & Software Integration



Software

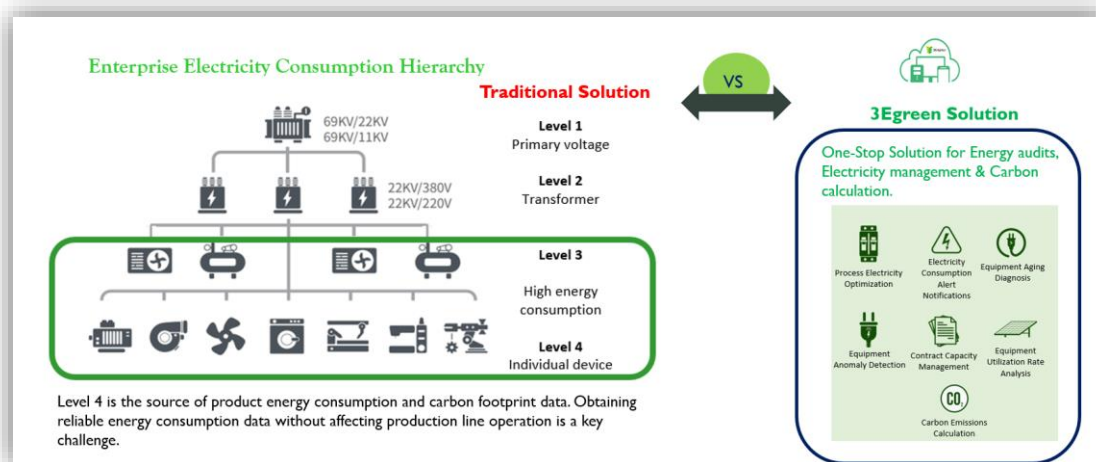
- 3Egreen Cloud-Track, Measure & Analysis



Service

- Application Customization

3Egreen Focus Area



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Success Stories



As a high-tech leader and professional IoT solution provider, 3Egreen products and solutions have proven track records in various industries and vertical applications including semiconductors power consumption, retail store equipment, food & beverage energy & equipment management, hospitality, hospitals, precision manufacturing, automotive, among others.

Learn more about our success stories at www.3egreen.com

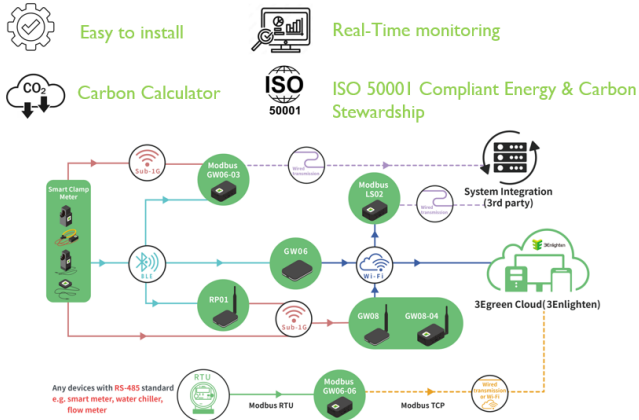
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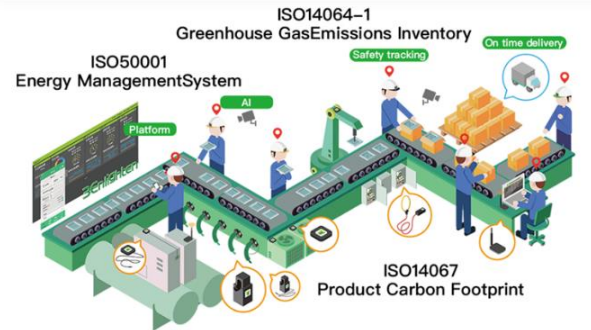
Energy & Carbon Footprint Solution

iEECMS: Instant Energy, Equipment & Carbon Management System

Key Advantages



Scenario & Solution Portfolio



“Reduce your Carbon Footprint with 3Egreen’s iEECMS”

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Hardware

Smart Clamp Meter & Gateway

Product Features



Wireless Transmission



Utilization Analysis



Self-charging



Demand Monitoring



Data Analysis



Electricity Management



Anomaly Detection



Quick, Easy Installation Solution

“Energy Monitoring in RealTime”

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Smart Clamp Meter

AC Current Clamp Meter Series



Type: CM02

Detection range: AC 0.6A ~ 100A (wire diameter 16mm)

Power supply: Battery/ Rechargeable Battery/Plug (DC)



Type: CM03

Detection range: AC 2A ~ 250A (wire diameter 24mm)

Power supply: Battery/ Rechargeable Battery/Plug (DC)



Type: CM04

Detection range: AC 3A ~ 350A (wire diameter 35mm)

Power supply: Battery/ Rechargeable Battery/Plug (DC)

AC Micro Current Series



Type: CM02-04

Detection range: AC 0.05A ~ 15A (wire diameter 16mm)

Power supply: Battery/ Rechargeable Battery/Plug (DC)



Type: CM02-06

Detection range: AC 0.001A ~ 0.5A (wire diameter 16mm)

Power supply: Battery/ Rechargeable Battery/Plug (DC)

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AC Current Meter- Flexible Series



Type: FM02

Detection range: AC 2A ~ 1000A
(wire diameter 80mm)

Power supply:
Battery/Rechargeable Battery/Plug
(DC)



Type: FM03

Detection range: AC 3A ~ 2000A
(wire diameter 105mm)

Power supply: Battery/
Rechargeable Battery/Plug (DC)



Type: FM04

Detection range: AC 5A ~ 3000A
(wire diameter 180mm)

Power supply: Battery/
Rechargeable Battery/Plug (DC)

DC Current Series



Type: CM02-07

Detection range: DC 0.4A ~ 20A (wire diameter
16mm)

Power supply: Battery



Type: CM02-08

Detection range: DC 0.4A ~ 40A (wire diameter
16mm)

Power supply: Battery

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AC Current & Temperature Series



Type: CM03-05

Detection range: AC 2A ~ 250A (wire diameter 24mm) Temperature range: 0°C- 100°C (line length 2m)

Power supply: Rechargeable Battery



Type: CM04-05

Detection range: AC 3A ~ 350A (wire diameter 36mm) Temperature range: 0°C- 100°C (line length 2m)

Power supply: Rechargeable Battery

Temperature Meter Series



Type: TM01

Temperature range: 0°C~100°C

Power supply: Battery

Dye-sensitized cell Series



Model size: 15x15/11x11/5.5x11/5.5x5.5cm²

Environmental Illuminance: Over 150Lux (Indoor)

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Gateway



Type: GW06

Wireless Tech: BLE to Wi-Fi
(2.4G)

Power Supply: Plug



Type: RP01 (bond with GW08-00/GW08-04)

Wireless Tech: BLE to Sub-1G

Power Supply: Plug



Type: GW08-00 (bond with RP01)

Wireless Tech: Sub-1G to Wi-Fi
(2.4G)

Power Supply: Plug



Type: GW06-03/GW08-03

Wireless Tech: BLE to Modbus
TCP Sub-1G to Modbus TCP

Power Supply: Plug



Type: GW06-04/GW08-04

Wireless Tech: BLE to Wi-Fi
(Wi-Fi 2.4G/5G/Ethernet)

Power Supply: Plug



Type: GW06-06

Wireless Tech: Modbus RTU to
Modbus TCP

Power Supply: Plug

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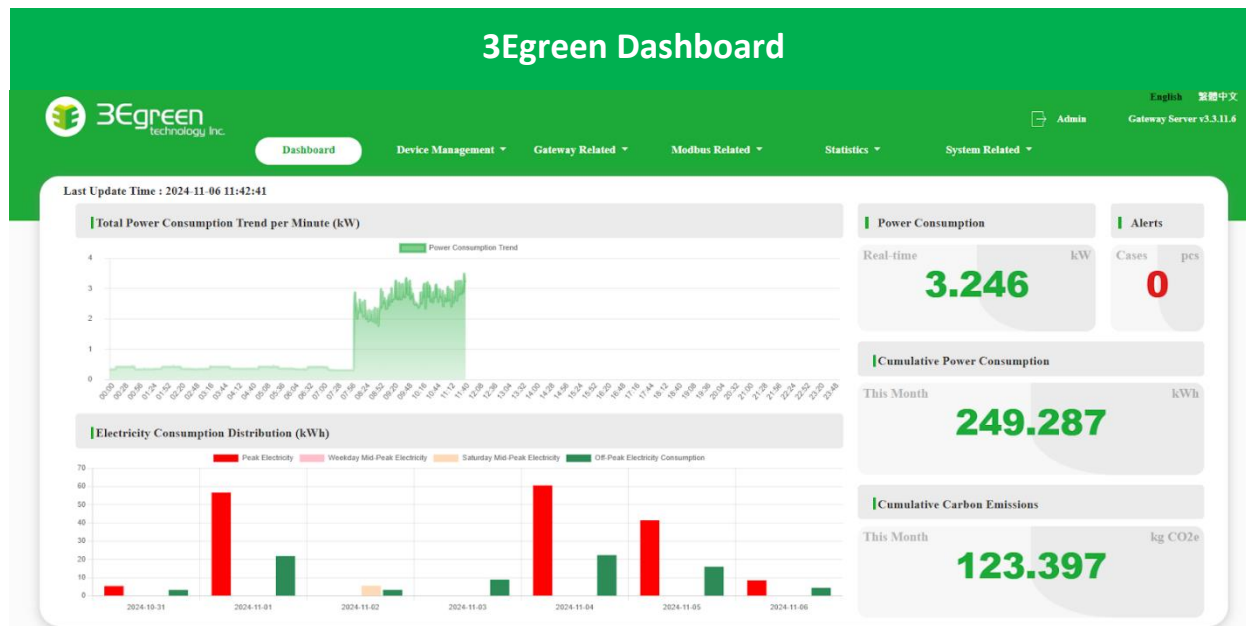
3EGreen Cloud

IoT based Instant Energy Monitoring System

3Egreen Cloud Platform provides a user-friendly dashboard interface. Adhering to international standards such as ISO50001, assists enterprises in establishing an efficient energy and carbon management system.

Our comprehensive dashboard allows users to view real-time power consumption data of each machines rapidly and accurate carbon emission data analytics or power consumption distribution. 3E green Cloud can easily be integrated into an existing infrastructure and 3rd party devices.

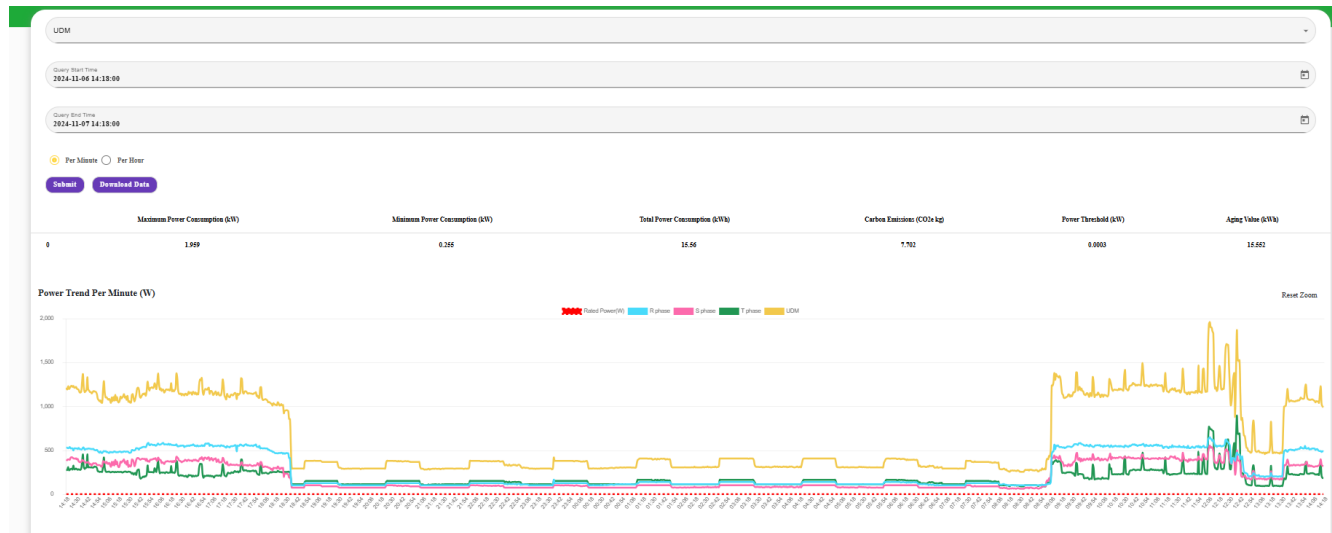
The alarm functionality monitors the current connection status of each machine (connection, disconnection, or warning), but also displays alarm history.



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Power Trends



Users can select the time interval and desired equipment to view in more detail.

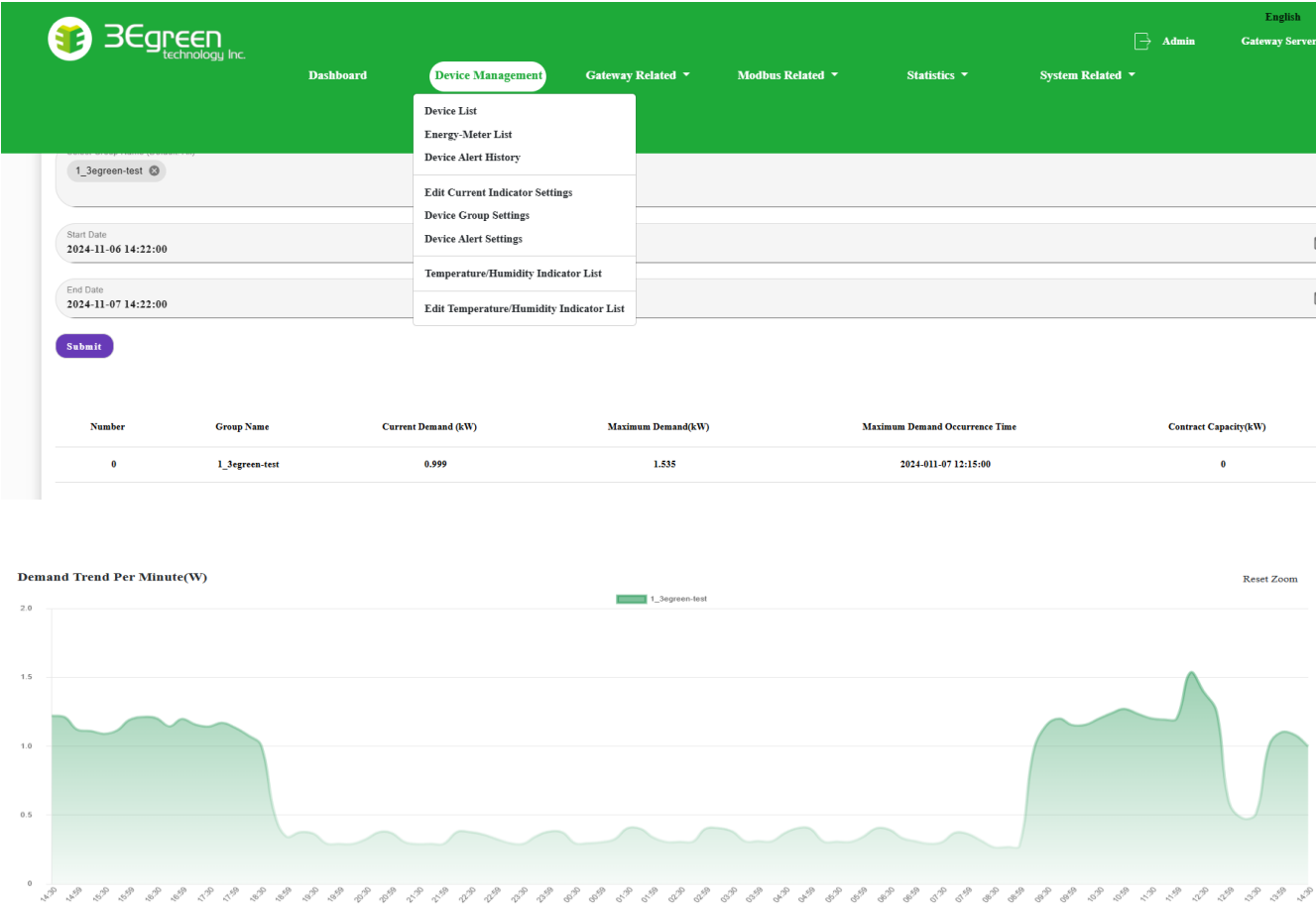
Calculation of operating hours can assist and remind factory managers to schedule maintenance, overhaul and replacement, which also enhances corporate social responsibility (CSR) and its image by reporting the carbon footprint of each process.

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Demand Monitoring

Demand monitoring can integrate all power groups to a “total amount”, and user can know real-time demand (KW), Max demand, and the proportion when max power usage happened.



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Alert Management

When the alarm condition is triggered, the list will be displayed in red. The warning notices that have occurred in the past will be recorded in the warning history record, which is convenient for subsequent inspections.

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English 繁體中文

Login Gateway Server v3.3.11.29

DashboardDevice ManagementGateway RelatedModbus RelatedStatisticsSystem Related

Search

Number	Device Name	Device ID	Alert Event Name	Alert Value	Current Value at Alert (or Percentage)	Alert Occurrence Time	Corrective Actions	Operation
42	CM02-A4-0009	0C41CFCE3A07	Current Upper Bound	20	39.895	2024-09-26 09:49:20		
41	GW06-04	00AA20240430	Unbalanced Three Phase	20	100	2024-09-09 10:04:32		
40	TM01	0081F924963B	Current Upper Bound	3600	3604.25	2024-08-16 09:18:12	dd	
39	GW06-04	00AA20240430	Unbalanced Three Phase	20	100	2024-08-16 09:18:12	dd	
38	TM01	0081F924963B	Current Upper Bound	100	35506.795	2024-08-16 09:17:12	dd	
37	GW06-04	00AA20240430	Unbalanced Three Phase	20	100	2024-08-16 09:17:12	dd	
36	TM01	0081F924963B	Current Upper Bound	100	36044.25	2024-08-16 09:14:12	dd	
35	GW06-04	00AA20240430	Unbalanced Three Phase	20	100	2024-08-17 18:35:12	dd	

Export File

Users can utilize the Statistics function to download more specific data in (csv. file) and export the data by selecting specific dates on the calendar as shown below.

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Admin

DashboardDevice ManagementGateway RelatedModbus RelatedStatisticsSystem Related

Please select Device Name (Default: All)
U002-T

Start Date
2024-09-07 01:59 PM

End Date
2024-10-02 01:59 PM

Interval Time
1 Minute

Export Data
CSV Download

Export CSV

CSV File Export

Power Consumption Trend Inquiry

Energy-Meter Power Consumption Trend Inquiry

Power Consumption Trend Comparison Inquiry

Multi-Device Power Consumption Trend Inquiry

Electricity Bill Estimation

Demand Electricity Detection

Multi-Layer Field Power Consumption

Temperature and Humidity Trend Inquiry

Energy Baseline Training Data

Energy Baseline Model Inference

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Electricity Bill Estimation

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Dashboard

Device Management

Gateway Related

Modbus Related

Statistics

System Related

Admin

Gateway Server v3.3.11.6

Please Select Electricity Pricing Method

Simple Time-of-Use Tariff - Two-Tier

Tariff Start Year/Month

November, 2024

Submit Query

Category				Summer Month	Contract Value	Non-Summer Month	Contract Value
Basic Electricity Fee	Charged per household			Per household per month	75		0

Category				Summer Month	Power(kWh)	Amount	Non-Summer Month	Power(kWh)	Amount
Variable Electricity Fee	Monday to Friday	Peak Time	Summer Month 09:00-24:00	4.71	0	0.00	-	-	-
		Non-Summer Month 06:00-11:00 14:00-24:00	-	-	-	4.48	0	0.00	
	Off Peak Time	Summer Month 00:00-09:00	1.85	0	0.00	-	-	-	
		Non-Summer Month 00:00-06:00 11:00-14:00	-	-	-	1.78	0	0.00	
	Sat., Sun., and Off-Peak Days	Off Peak Time All Day	1.85	0	0.00	1.78	0	0.00	
	Parts exceeding 2000 degrees per month			0.99			0	0.00	

As an example in Taiwan, based on Taiwan’s Power Company’s bill charging rates, users are able to check every hour’s usage and estimated cost by each single machine, and 3Egreen’s system can assist in calculating the cost and results in different production plans.

Category				Summer Month	Power(kWh)	Amount	Non-Summer Month	Power(kWh)	Amount
Variable Electricity Fee	Monday to Friday	Peak Time	Summer Month 09:00-24:00	4.71	0	0.00	-	-	-
		Non-Summer Month 06:00-11:00 14:00-24:00	-	-	-	4.48	0	0.00	
	Off Peak Time	Summer Month 00:00-09:00	1.85	0	0.00	-	-	-	
		Non-Summer Month 00:00-06:00 11:00-14:00	-	-	-	1.78	0	0.00	
	Sat., Sun., and Off-Peak Days	Off Peak Time All Day	1.85	0	0.00	1.78	0	0.00	
	Parts exceeding 2000 degrees per month			0.99			0	0.00	

Electricity Calculation

Month	Month Classification	Contract Electricity Fee	Variable Electricity Fee	Excess Penalty	Total Amount of the Month
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The estimated electricity fee amount is for reference only. The actual electricity fee amount is subject to the Taipower bill.
When calculating electricity fees, the operations are all less than two decimal places. The actual web page displays two decimal places, so there will be an error of ±0.01.

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Example of Installation



CM02/ CM03/ CM04
(wire diameter < 35mm)



FM02/FM03/FM04
(wire diameter ~ 180mm)

Gateway
(Wi-Fi, BLE, Sub-1G)



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