



**orezten**

# **Energy Solutions that provide:**

- Savings**
- Sustainability**
- Security**

# **Delivering sustainable energy solutions in an uncertain world.**

**We are all aware of the climate crisis and the recent global conflicts that have left the cost of energy procurement unrecognisable to 5 years ago. Forward-thinking organisations are looking for sustainable and secure energy procurement solutions that not only reduce costs, but also reduce their Carbon Footprint.**

## **Introducing Orezten**

With over 17 years' experience within the energy solutions industry, Orezten work collaboratively with clients to provide tailor-made solutions to deliver both cost savings and long-term carbon reduction goals. Through our Power Purchase Agreement (PPA) we procure, install, commission and maintain the on-site solution.



Right now, we have the capacity and knowledge to stop the damage we are doing, but what we don't have is time. We all have a responsibility to reduce our carbon footprint; the survival of humanity and our fellow creatures on earth depends upon it.

**Sir David Attenborough, Jan 2021**



# Saving on energy costs with a solar PV system

Start saving on energy – without any of the cost

Orezten provides your business with a free, fully maintained solar PV system via a Power Purchase Agreement (PPA).

We fund the entire installation of your PV solution, allowing your business to benefit from solar PV whilst preserving your capital and reducing your operating costs.

## What is PV Solar Energy?

PV (Photovoltaic) Solar Energy is obtained by converting sunlight into electricity using a technology based on the photoelectric effect.

It is a type of renewable, inexhaustible and non-polluting energy that can be produced in installations ranging from small generators for self-consumption to large photovoltaic plants.

With the addition of a battery storage solution, you are able to enjoy PV Solar Energy, even when the sun is isn't shining.

## Is Solar right for me?

PV Solar Energy technology has increased considerably over the last decade, with manufacturers now offering a 87% warranted output after 30 years with panels now generating 98% more power than similar-sized panels from 10 years ago.

However, PV Solar Energy does have limitations and is therefore not for everyone or a full solution, which is why Orezten will explore PV Solar Energy suitability for you power requirements and, where necessary, create a dual solution proposal.





# What is a PV Solar Energy Power Purchase Agreement?

A PPA is an electricity supply agreement for energy generated on your site. It enables you to have access to low-cost, clean, green energy at no initial or operational cost.

## Fully-Funded PPA

Orezten fund the Installation, Equipment, Infrastructure Upgrades and Project Maintenance and Servicing for the entire duration of the PV Solar Energy PPA. Orezten will maximise the onsite generation available to reduce your dependency from the grid.

### Offering Energy Security



#### Net Zero

Businesses and individuals alike do their part every day to achieve net zero. Reduce your scope 1 and 2 emissions with our energy solutions.



#### Cost Control

You won't have to worry about fluctuating energy costs – we will fund everything right from installation and cover your maintenance costs.

### Benefits include

Reduced costs

Increased capacity

Future stability

Zero CapEx & OpEx

Reduced emissions



The PPA term is typically between 15–30 years



The price of the electricity you purchase from an Orezten solution is fixed from day one for the duration of the PPA\*



Monthly invoicing and performance reports



We insure the system at no cost to you



The system is monitored and maintained for the full duration of the agreement, at no cost to you



The rights and title to the system will pass to you upon completion of the PPA term

\*subject to minimum annual volume purchases

# Saving on energy costs with a CHP system

## Start saving on energy – without the cost

Orezen can provide business customers with a free, fully-maintained CHP unit(s) via our Power Purchase Agreement (PPA).

We fund the entire installation of your CHP unit, allowing your business to reap the benefits whilst preserving your capital and significantly reducing your costs.

## What is CHP?

CHP or Combined Heat & Power, is a technology that produces electricity and thermal energy at high efficiencies using a range of technologies and fuels. CHP is an energy-efficient technology that is gaining popularity within the UK as a way to reduce energy costs and carbon emissions.

## Our CHP Partner:



With over 17 years of experience supplying, installing, and servicing CHP units. Helec Ltd. are our dedicated partner to help you get the right CHP for you. They will help us make sure your CHP remains in the best condition.

Helec have helped us get CHP units to facilities across the UK in a wide variety of industries, from hotels and leisure, to residential and student apartments, educational and commercial spaces, even hospitals.

## How does a CHP System Work?

Traditionally, power stations generate electricity from the combustion of fossil fuels, which results in wasted heat. A CHP unit generates the electricity onsite and gives the opportunity to use the excess heat for heating, hot water or cooling. This can make a CHP more than twice as efficient as conventional power stations.

If you don't think CHPs are the best solution for you – check out our [Solar page](#).





# What is a CHP Energy Power Purchase Agreement?

A PPA is an electricity supply agreement for energy generated on your site. It enables you to have access to low-cost, clean, green energy at no initial or operational cost.

## Fully-Funded PPA

Orezten fund the installation, equipment, infrastructure upgrades and project maintenance and servicing for the entire duration of the PPA. Orezten aims to provide 80-95% of your electrical demand from our decentralised CHP solutions.

### Offering Energy Security



#### Net Zero

Businesses and individuals alike do their part every day to achieve net zero. Reduce your scope 1 and 2 emissions with our energy solutions.



#### Hydrogen Ready

Hydrogen is the fuel of the future, and once the infrastructure is in place, we will help you utilise it for cost-free and emission-free energy.



#### Cost Control

You won't have to worry about fluctuating energy costs – we will fund everything right from installation and cover your maintenance costs.



The PPA term is typically between 5-15 years



The price of the electricity you purchase from an Orezten CHP solution is fixed from day one for the duration of the PPA\*



Monthly invoicing and performance reports



We insure the system at no cost to you



The system is monitored and maintained for the full duration of the agreement, at no cost to you



The rights and title to the system will pass to you upon completion of the PPA term

\*subject to minimum annual volume purchases

# Investing in verifying your products and services to be 'Carbon Neutral' can increase revenues and attract more customers

73% of Gen Z and 50% of Millennials will pay 10% more on a sustainable product or service.

Orezten can calculate the carbon footprint of your products and services, offset the emissions through the retirement of Certified Carbon Credits from the UNFCC, Gold Standard or Verra VCS and verify your products and services as Carbon Neutral to your customers.

## What is Carbon Neutral?

According to the European Parliament, Carbon Neutrality is reached when the same amount of CO<sub>2</sub> is released into the atmosphere as is removed by offsetting the total Carbon Footprint, leaving a zero balance, also known as a zero carbon footprint. Orezten can MEASURE, OFFSET and VERIFY any product, service or organisation as 'Carbon Neutral'.

Orezten Credits give you a complete carbon offsetting service from calculation, procurement, retirement and certification, managed in a secure ETS Registry Account.

## What are Carbon Offsets?

Primarily, Orezten trade in United Nations certified carbon credits, UNFCC CDM, as they have verified carbon offsetting and through their Clean Development Mechanism (CDM), demonstrate additional quantifiable benefits in developing countries.

Orezten also offer Verra VCS and Gold Standard Carbon Credits from a wide range of Carbon Avoidance (CA) or Carbon Capture (CC) projects. Carbon Credits are held securely in a UK ETS Registry Account (authorised by the Environmental Agency) in preparation for either retirement against a Carbon Footprint or future reselling back onto the open market.

The Carbon Credits deposited into the ETS Registry Account are transferable, allowing for future trading. When retired, the credits appear back on the certifying body's publicly available registry for stakeholder auditing purposes.

Carbon Credits are a growing commodity as demand increases faster than supply. After COP26 in Glasgow in November 2021, Carbon Credit prices increased by 20%. Some experts predict that Carbon Credits could reach £40-£60 per tonne by 2030, with some estimating a maturity price of £175 per tonne by 2050.

Working directly with Carbon Credit developers, we are able to secure millions of tonnes of certified Carbon Credits each year, saving you an average of 32% compared to existing sources and up to 75% compared to open-market credit suppliers.





# Why Orezten?

For many businesses, the biggest barrier to achieving net zero is cost. We have our own funding model so designing and installing the right energy solution for your business is available at no cost to you.

## Zero CapEx

We offer installations of energy solutions fully funded by us.

## Savings on electricity bills

Reduce your energy spend with Solar and CHP units.

## Zero OpEx

We will fully service your energy solutions for the length of the PPA agreement.

## Shared Revenue

Get a portion of the export value back to your business.

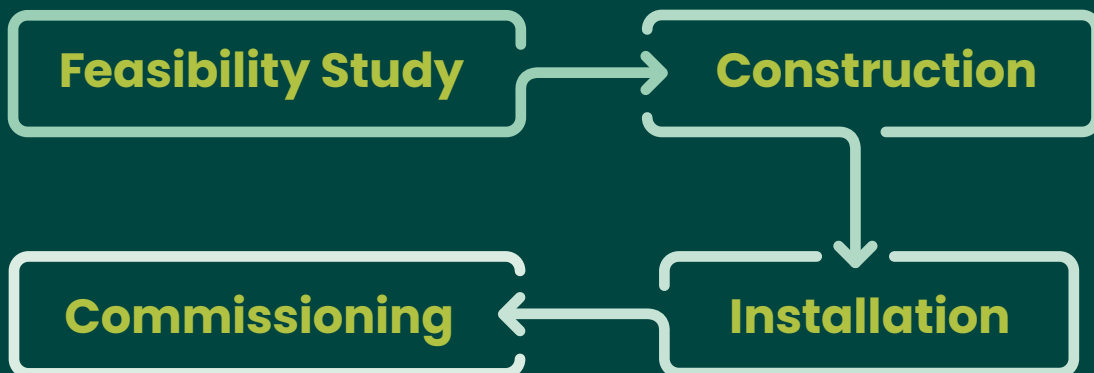
## Long-term protection and forecasting

The price you pay for electricity will only rise in line with the Retail Price Index (RPI).

## Fully Transferable

The rights and title to the system will pass to you upon completion of the PPA term.

## Our Process



# Benefits of Orezten



Reduce your carbon footprint

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Save you money

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Enhance your brand

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Help combat climate change

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# Frequently Asked Questions

Here we answer the most commonly-asked questions we receive about our service.

## How can we get you a CHP unit or Solar PV system for free?

All of Orezten's operations are funded by ourselves, meaning we can fund the installation of CHP or Solar units. We then make money over the course of your PPA by charging you for the energy generated by your power systems.

## What is a CHP Unit?

A Combined Heat and Power unit (CHP) unit generates electricity via an engine and uses the heat created as a byproduct to supply you with heat. This allows for more efficient energy usage than grid power and, when powered by zero-emission fuel like Hydrogen, can become emission-free.

## What is a Power Purchase Agreement (PPA)?

A PPA is an electricity supply agreement that means we will fund the installation and servicing of your energy unit at no cost to you.





**orezten**

**A better future is possible.**

Contact us to learn more about our mission  
and work, or to become involved yourself.

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