

RENEWABLE ENERGY

CLIENT SERVICES



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Welcome to Krypton Energy. I am delighted to be able to introduce our Renewable Energy services to clients both in the UK and internationally. We specialise in a range of value driven services that provide significant cost savings for our customers. Our primary focus areas are solar, wind, kinetic power and waste thermal treatment. Krypton's broad range of services allows our experts to take a holistic approach to serving client needs and support carbon reduction.

Krypton Energy aims to further develop the company's service provision in the Renewable Energy sector. Our goal is to empower clients to take control of their energy use and ultimately, to reduce billing costs, by utilising our extensive experience and expertise in the business energy markets. Through our website you can find out everything you need to know about the company, its services and partners. I look forward to welcoming you to the growing number of existing Krypton clients benefiting from our specialist industry specific knowledge.

Javed Iqbal
Chief Executive



INTRODUCTION

Krypton Energy is a leading UK based independent energy consultancy with a global operational footprint comprising service operations across all sectors of industry including the private, public and third sectors. We work with organisations of all sizes from governments, large institutions and blue-chip firms to small businesses and charities.

Krypton Energy specialises in reducing both the cost as well as consumption of energy by delivering innovative energy management solutions and increasing energy efficiency. We do this by navigating complex and volatile business energy markets to ensure while our clients are hard at work creating profitable businesses, sustainable organisations and carbon compliant footprints, Krypton Energy is hard at work meeting our client's organisational and energy needs.

Our expert consultants work closely with you to ensure not only do you use less energy, but also, make sure you pay less for the energy your business or organisation requires. By doing so, Krypton Energy optimises both economic and environmental value for clients. Our energy management services provide a complete end-to-end service for corporate or commercial energy users with a range of energy solutions on offer.

Our renewable energy services harness the power of the natural world to help deliver sustainable alternatives to carbon emitting fossil fuels. No matter the size of your organisation, we can assist you in achieving the best energy solution tailored to your individual needs.

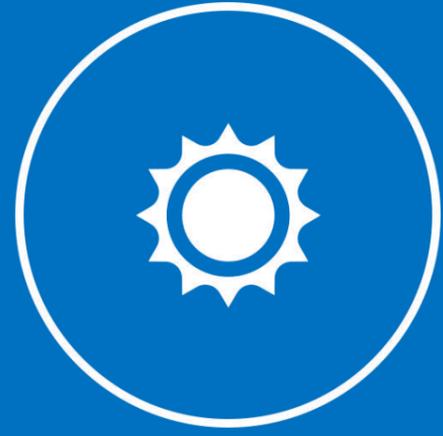
UK OPERATIONS

The energy sector plays a key role in economic prosperity not only in the UK, but across Europe and the rest of the world. Many factors including contract types, price inflation, population increases leading to greater energy demands, as well as the ever-changing nature of power generation, all impact the cost of energy and consequently, operating expenses and/or bottom line profits. Coupled with the complex and volatile nature of energy markets, these factors make saving money on energy costs an increasingly challenging proposition for organisations both small and large. Our UK service operations focus on analysing market dynamics to ensure our clients always achieve the best value for money in each of our service areas.

INTERNATIONAL OPERATIONS

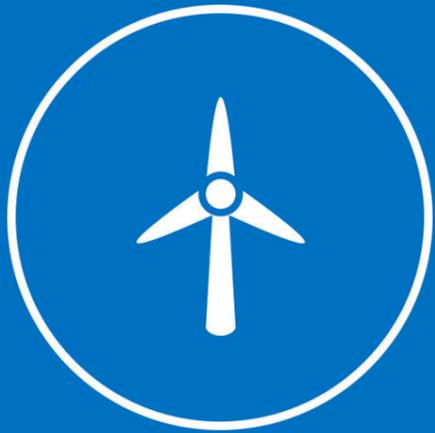
The global drive to achieve reliable, affordable and clean energy to power the planet's energy needs has never been higher. Nonetheless, the disparity in energy generation between developed and emerging economies, with the latter's reliance on carbon emitting fossil fuels to power economic growth, presents many challenges to ensuring the world generates sufficient levels of sustainable energy to power the global economy, without harming the planet. With global populations on the increase particularly in poorer countries, the need for greater energy generation will continue to intensify. Our international service operations focus on supporting emerging economies with integration or conversion to renewable energy sources through the installation of solar and wind infrastructure ensuring equitable energy distribution.

SERVICES



SOLAR

Krypton's solar energy service is part of our worldwide operations in the global renewable energy sector. We have extensive experience in supporting clients with large-scale infrastructure projects. Our engineers, technicians and project management specialists have successfully helped to deliver up to 400MW single project solar installations. We work with governments, national grids and local energy providers to help emerging economies generate power through renewable sources. Our domestic team also provides solar installation services for clients at home in the UK.



WIND

Krypton's wind power service allows clients from around the world, the opportunity to harness the natural power of kinetic airflow to generate clean electricity. Our investment in wind technologies will help shape the future energy landscape of countries and regions of the world where energy supply does not meet domestic demand. We help international clients to fill the supply and demand gap through wind power ensuring the economic benefits of sustainable energy generation, reach as far and wide as possible.





KINETIC POWER

Most people are familiar with kinetic energy powering small gadgets like wrist watches. However, powering large installations requires sufficient levels of continuous energy supply. Krypton supports clients worldwide, to utilise these alternative forms of kinetic energy generated for example, through complex controlled pneumatic filling processes for the production of emission free electricity. This zero-emission technology works independently of weather conditions such as sun or wind. Our expert technicians and engineers work with clients to harness the power of kinetic energy in order to support alternative forms of power generation.



WASTE THERMAL TREATMENT

With demand for energy ever increasing, innovation in technology and systems for energy generation have become increasingly important. Krypton utilises waste-to-energy processes to generate power in the form of electricity and /or heat, principally as energy recovery from the primary treatment of waste. With a commitment to protecting the environment, we focus on the production of energy through technologies with the potential to produce greater power from the same amount of fuel, than would be possible through traditional combustion methods.





VALUE ADDED

STEP ONE

Pre-feasibility

Our work begins with a pre-feasibility study, conducting initial research into the viability of renewable installations.

STEP TWO

Feasibility Studies

Once completed, detailed feasibility studies are carried out comprising soil testing, national/local energy grid analysis and much more.

STEP THREE

Data Analysis

Our engineers analyse the research and data gathered in steps 1 and 2 to determine the best renewable installations.

STEP FOUR

Contracting

We use our expertise in Power Purchasing Agreements (PPA), access to financiers and knowledge of local contractors to develop bespoke contract packages that offer best value for money.

STEP FIVE

Project Management

Our project management experts take the hassle away from clients by managing the entire installation process. We offer you peace of mind and high quality project delivery.

Power Generation

With our job done, you can sit back and enjoy greater and cleaner energy generation, not to mention significant cost savings.

“ Krypton Energy has been instrumental in managing one of the largest government commissioned energy infrastructure projects in Mozambique. The company’s experience and expertise has proven invaluable in terms of adding value to the project.

**Manager
Trogreen Energy**

“ The Frontier Works Organization (FWO) enlisted the services of Krypton Energy to support installation of renewable energy across our network of motorway service stations. From the outset the professionalism exhibited by the company was exceptional, and it’s detailed knowledge of the renewable energy sector proved invaluable.

**Director
Frontier Works Organization**

CASE STUDIES



TROGREEN ENERGY

Krypton Energy has partnered with Trogreen Energy (a domestic turnkey provider) for delivery of a large scale solar PV project commissioned by the Ministry of Mineral Resources and Energy, on behalf of the Government of the Republic of Mozambique. The project aims to generate 200MW of electricity to power industry and residential dwellings. Our specialist teams both in the UK and abroad, are overseeing the project and providing complete project management services, working alongside the national grid and local energy providers. Key project services include, concept development and site identification, pre-feasibility study, feasibility study, permitting, financing and contracts, and engineering, construction and commercial operation.



FRONTIER WORKS ORGANIZATION (FWO)

Krypton Energy has been commissioned by the Frontier Works Organization (FWO), a leading construction firm in Pakistan, to complete a solarisation project aimed at providing 24/7 energy generation to motorway service stations. Using a mix of solarisation, battery powered energy and diesel generators, Krypton specialists will have successfully increased the region's energy generation and supported the successful interim Transition, to renewable sources.





BAHU TRUST

The Bahu Trust is a registered UK charity founded in 1983 with circa 20 centres across Britain. With a large portfolio of operational buildings, the organisation not only consumed large amounts of energy but also, as a result, had significant overhead costs for usage. Krypton Energy was able to reduce both consumption and cost, through a number of interventions. Accessing financial capital from Krypton's trusted partner Lombard Bank, allowed for the installation of solar panels across the entire property portfolio which in turn, reduced the need for energy from the national grid. Also, procurement and a mix of energy management services offered by Krypton specialists, helped to reduce consumption and cost, leading to real term monthly and annual savings.



THE REDEEMED CHURCH OF GOD

As with many charitable organisation's, the cost of energy was a significant overhead for the Church. Krypton's experts were able to help reduce the burden of high utility bills by financing installation of solar panels to help the organisation generate it's own electricity and sell back to the national grid. The multi-team interventions made by our consultants from Krypton's different divisions including finance, procurement, renewable energy etc, has helped the organisation to increase its power output by 50KW.







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