



## Energy Management & Technology Retrofit

STRATEGY & POLICY DEVELOPMENT  
MANAGEMENT SOLUTIONS  
TECHNOLOGY RETROFIT  
MEASUREMENT & VERIFICATION

### Contact

If you would like to find out more about us and how we can help develop your energy solution, please feel free to contact us at:



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## About Us

Horizon Power and Energy is a professional energy services business based in Hampshire in the UK. We are primarily focused on delivering bespoke energy and carbon management solutions for large corporations, the public sector and investors.

We work closely with clients to understand their needs and will often deliver project requirements through 'best in class' partnerships, suppliers or consortia. Whilst we are based in the South of the UK, we are also able to consider commissions elsewhere in the UK or abroad, often working through partnering arrangements.

## Technologies

Whilst we are able to support a range of energy efficient technologies, the feasibility, development, implementation and M&V process is broadly the same for most schemes.

Technologies that we can support include:

- LED Lighting & Controls
- Metering and aM&T Systems
- Energy Controls
- Variable Speed Drives
- Power Factor Correction
- Voltage Optimisation
- HVAC Plant Upgrades
- Energy Storage Technology



## Strategy & Policy

### STRATEGY & POLICY DEVELOPMENT

Like most things in life, developing a plan to deliver your goals is a big step in the right direction. The first stage in creating an energy and GHG management strategy is understanding where you are today. This often entails a review of current policies and plans, some of which may have evolved locally. Building upon the existing provisions, we can develop and document a robust energy management strategy which is tailored to your organisation, yet based on tried and tested methodologies. In particular, we would normally focus on items such as boundary definitions, data acquisition and analysis, baseline, benchmarking, management information systems, organisational responsibilities and target setting.

### MANAGEMENT SOLUTIONS

It is often a surprise to many organisations that some of the most significant energy savings can be made without capital investment. Driving down energy consumption with little or no capital is what energy management is all about. For this reason, we would recommend that organisations start by implementing low cost energy management schemes prior to considering energy retrofit projects. In addition to the low capital requirements, energy management does not require significant facility modifications or upgrades. We can work with you to develop a comprehensive energy management programme which reduces consumption and emissions. Our energy management programmes are primarily based upon data acquisition through metering, followed by detailed demand analysis and controls interventions.

If you're an asset manager or large facility owner that's looking for help to develop your energy and carbon management strategy, or you are interested in energy management and technology retrofit solutions, please feel free to contact us.

We can provide support in a number of areas, examples of which are given below:



## Project Delivery & Support

### TECHNOLOGY RETROFIT & M&V PLANS

In both the private and public sector, the energy performance of facilities and infrastructure can be dramatically improved by replacing ageing plant and equipment with new energy efficient technologies. Many such retrofit programmes are self financing, and the current combination of low interest rates and rapidly rising energy prices means there has never been a better time for major energy retrofit projects.

Whether you are self financing a project, or using a financed EPC or ESCO delivery model, Horizon Power and Energy can manage your energy retrofit project from start to finish. The first step in this process is the preparation of a detailed feasibility study to identify suitable technology retrofits and the anticipated returns. Where projects are proved viable, we will identify, engage and work with relevant technology providers, contractors and financiers in order to deliver the project. If preferred, we can also work in partnership with your preferred contractors or financiers to deliver the project.

Investors in your energy retrofit project will want assurances that the project is delivering the anticipated return on investment, and this is true of both third party investors and of landlords or tenants investing in their own estate. The practice of measuring project success and returns is called Measurement & Verification (M&V), and it is essential if that a comprehensive M&V programme is put in place wherever supplier or third party funding is used. Horizon Power and Energy can provide independent M&V services to support technology retrofit programmes that we manage.



### CLIENT FIRST

Understanding our Client's culture, drivers and barriers is important if we are to be successful. Because we are a small business, we can readily fit ourselves to our Client's requirements. It is this recognition that no two businesses are the same, which allows us to develop bespoke solutions for each and every customer.

### OUR VALUES

We believe that through tackling climate change and energy security, businesses and governments can improve competitiveness, increase employment and deliver economic prosperity. For this reason we will always endeavour to find solutions that deliver financial, economic and environmental benefits. We also believe that relationships are crucial to the success of any program and you can be assured that we will always act with integrity, professionalism and honesty.

### INDEPENDENT

We recognize the importance of providing our Clients with impartial independent advice. For this reason, we do not act as an agent for a particular equipment manufacturer or service provider: as a result we are free to make recommendations that are in our Client's long term interest.