

Introducing the EnviroTech Energy Station and EnviroTech Crane Cube.

At EnviroTech we identify and implement renewable energy technologies to reduce cost and create long-term change.



The global construction industry is facing many challenges, including pollution from diesel generators, noise, cost of electricity, and the inability to demonstrate green credentials.

EnviroTech Energy Management can help.

Our Energy Stations and Crane Cube solutions mitigate the costs of running sites. These systems allow sites to run without diesel or noise from generators, while significantly reducing the actual costs of electricity during a build.



Features and benefits



System benefits for clients and electricity suppliers are as follows:

- The load is reduced on the grid at peak times, which provides direct benefits for clients.

Possible reduction in cost by negotiating day/night, or graduated tariffs, then charging at the cheapest option.

Daytime energy costs can be significantly reduced by using stored energy from the Energy Station, bought at a cheap rate.

- The site load does not impact local supplies or cause frequency or voltage instability.
- Our base-load Energy Station provides flexibility. Our clients only use what they need month on month throughout a build. When they need more power, we provide it, when they don't need it, they don't pay for it. Energy Stations are progressively connectable to provide more energy as required.
- No power surges that affect the grid.
- During recharge (off-peak) power consumption will be consistent.

- The EnviroTech Energy Station has an input power factor correction, the benefits are as follows:
 - a)** Reduced power demands.
 - b)** Reduced power system losses.
 - c)** Reduced carbon footprint (*Reason: Unity power factor '1' is the goal of Utility Companies. If the power factor is less than '1', the Utility will need to supply more current to the user for a given amount of power use. The process of doing this creates more line losses, therefore the kwh cost increases.*)
- Possible reduced tariff during night time recharge - 75% cost reduction.
- Utilising the Envirotech Energy Station unit increases load security.
- The Envirotech Energy Station can be added to when loads increase; and removed when loads are reduced.
- Fully supported maintenance and monitoring services can use 2.5 times more energy than a commercial building of comparable size. At the same time, the price of power cuts is considerably higher than the financial cost, as some patient's health can become endangered by even a brief interruption in their care. EnviroTech offers Hospitals a bespoke, green energy solution, and security of supply.
- The Envirotech Energy Station provides an emergency back up in N+1 configuration, which reduces emissions considerably on construction sites.
- Meet Corporate social responsibility and environmental requirements for restricted zones or operations.

Features and benefits



- Purchased or leased Envirotech systems can be sold onto your client once the project is complete, providing even greater savings.

The additional items to achieve G99 would be minimal, which provides an interesting opportunity for construction companies.

- 24 Hour 365 monitoring system to ensure 100% uptime.
- No generators required on-site, thus reducing carbon footprint and emissions.
- Increase your Green credentials, which are critical in clients' decision-making process when choosing a partner. Promote the fact that you use green energy, via solar charging and a green supply tariff.
- Cost-effective with short payback periods.
- Finance options available via EnviroTech Energy Management.

- The ability to promote your commitment to CO2 reduction and the environment to prospective clients could have a significant impact on tendering for new contracts, giving you a winning edge!

- Envirotech Energy Station units can be stacked to reduce their footprint.

- When unstacked Envirotech Energy Stations can be supplied with small wind turbines and roof-mounted solar panels to reduce parasitic loads such as lighting, alarms, monitoring systems, and BMS, etc.

- Reduced air pollution / can be ultra-low emission zone compliant for London, Bristol & Birmingham (when implemented).

- Zero diesel costs: supply, access, tank, Health & Safety, spill risk, Insurance, etc.

- Reduced site insurance costs and risk, without large quantities of diesel on site.

- No noise issues or local complaints through not using diesel Generators.

- Once your build is complete, simply move the equipment to the next site, or we can do it for you.

With this range of benefits, your Envirotech Energy Station could become a profit centre in its own right, with sundry associated Green Credential and P.R benefits both for your business and your client's building.



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