



comtec
power

Comtec Datacentre Eco-Structure

InfraStruXure
DATA CENTERS ON DEMAND



Comtec Power recognises the need for a more energy-efficient, environmentally considerate approach to datacentre design, stemming from a company commitment to increased efficiency and customer demand.

Comtec Power has invested heavily in a datacentre demo-suite at its head office in Reigate, Surrey. This facility demonstrates the Comtec 'eco-structure' philosophy for datacentre design, which balances the requirements of power and cooling for maximum efficiency and minimum waste, and provides existing and prospective customers with a tangible, functional example of datacentre best practice.

The datacentre demo-suite also features the UK's first, fully operational hydrogen fuel for back-up power. This represents the epitome of green energy, emitting only water and air as waste products, giving Comtec customers an insight into the future of the datacentre environment.

To support its use of the most advanced, efficient datacentre technologies (compliant with the Government's Energy Technology List), Comtec has developed the 'Comtec Carbon Offsetting Commitment' (CCOC) (www.comtec.com/power/carbon_commitment). For each qualifying sale Comtec certifiably retires carbon tonnage with Equiclimate (www.equiclimate.org), one of four DEFRA recognised carbon offset schemes.

Additionally, through leveraging its datacentre eco-structure blueprint for datacentre design, Comtec Power can help its customers reduce their energy expenditure by up to 35%.

Comtec Power's expertise has had a valuable impact for its customers and notably, in the case of Garmin Europe (www.garmin.co.uk), the new datacentre forms an integral part of the company's wider CSR (Corporate Social Responsibility) objectives for increased efficiency throughout its operations.

Comtec Power's green commitment has already delivered clear, demonstrable results. For instance, the Comtec Carbon Offsetting Commitment has already retired over 220 tonnes of carbon - this is more than the carbon emitted by a Boeing 737 flying from Heathrow to Hong Kong!

Companies that have benefited from the CCOC include Garmin Europe, MoneySupermarket, Thurrock Community Hospital, and the BBC.

In an effort to educate the wider business community as to the available technologies that will have a significant impact on datacentre efficiency, Comtec has committed to a regular schedule of 'technology days', which will include access to a fully operational datacentre demo-suite.

Far from being just a sales tool, showcasing the technology available and the effective layout of power and cooling within the datacentre allows organisation to see how they could implement such improvements in their network critical physical infrastructure. Working closely with APC to reflect customer demands in datacentre technology.

Comtec has also engaged with the press to communicate best practice guidelines for intelligent design of the datacentre, and highlighting how this is key to long-term efficiency gains and sustainability.

The investment in the datacentre demo-suite and carbon-offsetting initiative is testament to Comtec's 'money-where-your-mouth-is' attitude, helping not only its customers to achieve efficiency improvements, but also improving its own infrastructure and business processes.

As long as energy price continue to fluctuate and businesses continue to emit carbon through their daily operations, Comtec Power's ongoing green initiative will be viable and sustainable.

Deloitte.
Technology Fast50

For more information contact Nick Ewing on 0845 899 1400