

## Combined heat and power on the rise

**B**axi-SenerTec UK's Combined Heat and Power (CHP) units are enjoying a surge in popularity. Sales have doubled in the past year as more building owners and occupiers look to shrink their carbon footprint and reduce their energy bills.

CHP is the simultaneous generation of usable heat and power (usually electricity) in a single process. The principle is similar to a car. While driving a generator, the CHP engine produces heat that is captured from its cooling system and diverted to provide space and water heating in a building.

Baxi's Dachs engines are designed to be robust and reliable so will run for thousands of hours, delivering up to 450,000 kWh of electricity and 1.2 MW of usable heat at a combined efficiency of over 90 per cent.

By generating electricity at or close to the point of use, CHP is a great alternative to conventional power stations, which are less than 35 per cent efficient. Almost two thirds of all the energy created by power stations is lost in waste heat and during transmission to the user.

The revised Part L of the Building Regulations has also stimulated the market, according to David Shaw,



business manager at Baxi SenerTec.

"CHP was always an attractive option for applications with high heating loads, but it is proving even more popular now because it is a convenient and cost-effective way of complying with Part L.

"CHP can be adopted to complement conventional boiler plant without a need to reconfigure existing pipework and internal heat emitters. This means users can start to enjoy carbon and energy savings more quickly without the major expenditure and upheaval required to integrate renewables," added Mr Shaw.

### FOR MORE INFORMATION

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## Expert international quality and environmental certification from VCA

**P**ART OF THE UK Department for Transport, VCA's core activity is the testing and certification of vehicles to relevant European environmental and safety standards. However, VCA is also a leading management systems certification body, specialising in the automotive sector. Many of the processes used in the manufacture and assembly of vehicles and components translate into other areas, resulting in VCAs move into sectors such as waste, water and utilities.

VCA offers a range of quality and environmental certification, including: ISO 9001, ISO 14001, EMAS, Acorn, ISO/TS 16949 and OHSAS 18001. The needs of an enviable client base are serviced from VCA offices around the globe; a service based on the cornerstones of integrity, adding real value, the highest levels of customer attention and flexibility.



VCA also provides top quality training services, conducted by people with experience of applying standards in the real world. Courses are run at venues to suit your needs and with a very low trainer to attendee ratio, you can be sure that you will gain maximum benefit.

### FOR MORE INFORMATION

To find out more about VCA and its activities look at their website. [www.vca.gov.uk](http://www.vca.gov.uk)

## Qonnectis – a revolution in leakage monitoring

### QONNECTIS PLC HAS AN

established history as a market leader in smart metering and IWEX 2008 will be one of their first public showings of the Leakfrog CSL (Customer Side Leakage) monitor, a new product that will allow water companies, for the first time, to monitor their domestic customers' homes for water leaks.

Using highly cost-effective and unique technology, the Leakfrog is a low cost, battery powered leakage indicator, designed for mass deployment in customers' homes. Other main features include an ease of integration with utilities' existing meter reading systems and an ability to detect and indicate the presence and exact magnitude of leaks.

Qonnectis plc will also be exhibiting its patented internet-based energy and water consumption information systems. The Qonnectis myMeter.info website is a simple-to-use system which gives users the ability to monitor and analyse water

consumption from their desks.

By collecting data remotely from iStaq smart metering data loggers using wireless communications, Qonnectis is able to manage the data on behalf of the client. The information (meter readings, on demand remote reading, alerts, charting and data download) is made available to clients via a secure website or transmitted to third party analysis applications.

### FOR MORE INFORMATION

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The IEMA backed Acorn initiative is a staged approach to the ultimate implementation of an Environmental Management System to a recognised standard such as ISO 14001. The scheme is broken down into five manageable phases, which are outlined in BS8555. Each stage is recognised by certification, providing a clear indication of your environmental credentials.

VCA is an independent inspection body and can help you to take the first step so get in touch to find out more.

**Other VCA services:**  
Certification to: ISO/TS 16949 (Auto Quality), ISO 9001 (Quality), ISO 14001 (Environmental), EMAS (Environmental), ISO 18001 (Health & Safety)  
Training  
Product Certification

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