



dynamic demand

A SMART GRID TECHNOLOGY

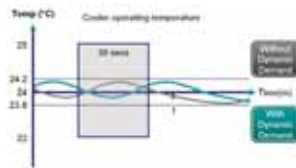
Airedale is committed to developing the most energy efficient precision air conditioning and chiller products on the market. An example of this is the innovative technology developed in partnership with leading UK Green Energy company RLtec. Dynamic demand technology is embedded in Airedale precision air conditioning and chiller products, creating a range of smart devices that respond fast to changes on the national grid.



This is achieved by reducing demand when there is a supply shortage or increasing demand when there is excess supply. All this is done with zero impact upon cooling performance and reliability. The dynamic demand technology does not alter the tight operating parameters critical within a data centre.

Benefits include

By applying this smart grid technology companies are able to contribute significantly to the performance of the UK electricity grid and the UK's strict carbon reduction targets. Dynamic demand improves company green credentials and opens up a range of benefits that include:



- > Potential entitlement to a carbon trust grant
- > Latest controls technology delivering:
 - > Basic monitoring (via intranet only) inc:
 - > Run hours
 - > Temperature sensors
 - > Pressure sensors
 - > Alarms
 - > Unit status
- > A serial interface card that enables basic remote monitoring via branded web page

Further benefits from ACIS BMS

Applying dynamic demand also opens up a wealth of upgrades through Airedale's innovative building management solution ACIS. This gives a cost effective option to deliver:



- > Improved system efficiency
- > Full range of alarm reporting options for peace of mind
- > Access to Airedale experts via our remote monitoring bureau, giving you complete confidence
- > Complete system integration with all major protocols
- > Detailed power analysis and reporting
- > Control of other equipment including
 - > Pumps
 - > Power meters
 - > UPS Server operation
 - > Lighting
 - > Other HVACR equipment

Potential saving
of over
£5000*

Case Study:

"This technology gives us a win-win situation, saving carbon emissions for "UK PLC" by displacing power demand at times of peak loading on the National Grid thus avoiding the need to call in carbon intensive back-up power generation mechanisms"

Bob Crooks (Defra Green IT Lead)

For further details please contact Fin Farrelly
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*Minimum order quantity of 3 DX Precision Air Conditioning units or 1 Scroll Platform Chiller