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Useful Web Sites:-



ACV Boiler + Myson Fan Convactor Radiators + Dimplex Air Curtain + HEAT4 BEMS = A First Class Heating Solution for Community Buildings.



During the extensive renovation and refurbishment of New Life Christian Centre in Morpeth the main contractor, Robert Nunn Ltd asked HEAT4 to design a modern efficient heating system to compliment the project. At HEAT4 we have over 10 years experience of the challenge of heating church buildings with systems, both ancient and modern. Here was a blank canvas enabling us to choose the best and most capable modern equipment to provide:-

- A reliable high energy (kW) heat input during the preheating phase prior to occupation and economical "turn down" control during occupation
- A closely controlled comfortable temperature, uniform across the large space and quietly delivered during occupation
- An internet accessible, self managing, flexible, intelligent control system that would deliver comfort and energy efficiency in all seasons and over the whole range of weather experienced in Northumberland



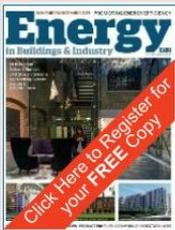
The refurbished centre, which also houses the local Wansbeck Food Bank, was opened by local MP Ian Lavery at a celebration on the 10th October. Although it is early days and the cold winter weather yet to come, the system is working well and we are confident it will deliver both comfort and economy for many years to come. All this and with a very low carbon footprint for a building of its size and construction. We are very grateful for the cooperation, skill and expertise of the following people in delivering this project:-

- Robert Nunn of Robert Nunn Ltd
- Jason Hartigan of ACV UK
- Andrew Lowery of Myson Radiators
- Stephen Bright of Stephen Bright Plumbing
- Callum Wilkinson of Keith Wilkinson and Sons Electrical Contractors Ltd
- Keith Wakenshaw of Wakenshaw Property Design
- Dean French and Phil Christie of Plumb Centre – Wolseley

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Take a Windows10 Tablet and Make Your Boiler Room Better



We are pleased announce that HEAT4 Version 9.0 works well with Microsoft's latest operating system, Windows10. Furthermore it runs efficiently on Windows10 touch screen tablet PCs. We have been able to offer our recent customers a complete pre-wired wall mounted unit for their boiler room. We then connect the temperature sensors and add a Wi-Fi AP (access point) to give remote access to HEAT4 and beneficially extend Wi-Fi internet access into other parts of the building. The wall mounted tablet PC makes a very useful "local control panel" and gives all the facilities of a PC and the

internet to service engineers and others working in the boiler room. This really does make your boiler room better than average.

SPC (Statistical Process Control) and the Village Hall Committee.

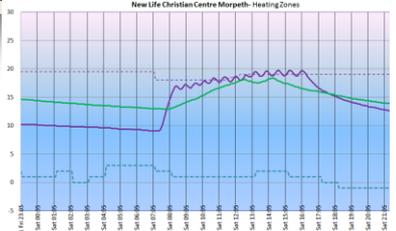
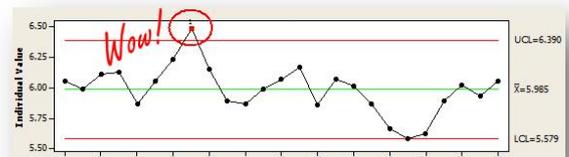
These days when it comes to energy consumption, carbon emissions and global warming nearly



everyone with responsibilities for community buildings realise that their building and its heating is part of the problem. In this climate they also realise what a significant part of the building's running costs the heating system represents. And if they don't, the treasurer will soon inform them. What is the answer?

We agree with James Porter when he says **"At the end of the day, whether it's a 30kW wall hung boiler, a multiple boiler system or a**

2MW CHP supported by large condensing boilers the philosophy should be the same: control, control, control."¹ We would also add that in order to effectively 'control' you need to **measure, measure, measure**. Then you need to see and clearly visualise the situation. Then you need to keep going, refining and adjusting wherever you can, measuring and visualising, to make the very best of your current heating system; not wasting a single kWh. This is the essence of SPC and its "Control Charts". SPC has been at the heart of the development of the most efficient industries today.



All too much for your average building committee? Not at all.

With the ubiquitous, reliable and powerful pc, and the soaring computer abilities of all ages, it is well within the grasp of the average building committee, however small.

HEAT4 systems around the country are all automatically collecting valuable control data about their heating zones, occupation hours, pre-heating hours, boiler run hours, temperatures and set points. We are now looking for any of our customers who would like to partner with us in developing effective SPC "measures/ indices of efficiency" for their building. If you are interested please drop us a note at SPC@HEAT4.com

¹ James Porter "boilers & burners" pp20 "Energy in Buildings & Industry" November/December 2015