



*BGC-029*

*NEWS RELEASE 21.7.10*



### **Renewable energies heat National Welsh Heritage Centre for years to come**

Award-winning building controls specialist BG Controls has installed the controls to enable an eco-friendly new heating system at the picturesque Welsh Language and Heritage Centre in Pwllheli.

Based in a former granite-quarrying village on the northern coast of Llyn Peninsula, the Heritage Centre specialises in intensive Welsh language courses. As well as residential Welsh language classes, there's also conference facilities, a heritage centre and visitor shop all on-site.

As part of a modernisation programme the original heritage building has been totally refurbished and refitted with green technologies. Contracted by Eco Energy Services, BG Controls has designed, installed and commissioned sophisticated building controls to coordinate the new heating system. This utilises natural resources to provide the Heritage Centre with under floor heating and domestic hot water.

This system combines air-source heat pumps that extract heat from the outside environment, as well as ground source heating, which absorbs heat from the earth. Both sources are then circulated through a heat exchanger ready to be utilised. Finally, roof top solar panels capture the sun's energy to maintain the temperature of the hot water.

"BG Controls worked with us to design the right solution for our needs and aspirations," says Jim O'Rourke, Centre Manager. "Their expertise in building controls really shone through and they completed the job to a high-standard and in a professional manner."

"By combining all the renewable resources under one roof, the centre will benefit from cost-effective and sustainable energy for many years to come," he adds.

