

Vokèra Solar panels selected for green school installation Rousay Primary school

INTRODUCTION

When a primary school in the Outer Hebrides was looking to reduce its carbon footprint, the local council decided to invest in renewable hot water technology to lower its carbon emissions.

Rousay Primary School, which is located in the Orkney Islands, made the decision to integrate solar collectors into its existing system to provide hot water for the school's toilet facilities, kitchens and changing rooms. Locally based solar specialist Monaghan and Hornal was appointed to manage the specification and installation.

Jim Hornal, managing director of Monaghan and Hornal, has worked with Vokèra solar collectors before. His understanding of the product range and Vokèra's strong presence in Scotland both influenced his decision in selecting the company's Zenith evacuated tube solar collectors.



RETROFIT INSTALLATION

Evacuated tube collectors offered the benefit of allowing a more straightforward retrofit installation as, like flat plate on tile collectors, evacuated tube collectors can be fitted directly on top of existing roof tiles. Three solar collectors were required, covering a total of 7.71m² to provide 400 litres of hot water into a buffer tank, which is distributed throughout the building.

IMPROVING EFFICIENCY

Utilising evacuated tube collectors also helps to improve the efficiency of the system, particularly in the colder winter months. The collectors are installed on the due south facing roof, which also maximises the efficiency of the system and enables the collectors to absorb the optimum amount of thermal energy from the sun.

Jim Hornal comments:

"We have been working in the heating industry for 40 years, and have specialised in solar for the past 25. I've installed Vokèra solar collectors before and always found them straightforward to fit, easy to integrate into existing properties and reliable".

Ian Davidson Business Development Manager at Vokèra, adds:

"Even in notoriously cold areas such as the Outer Hebrides, solar collectors are still an efficient method of producing hot water. This school project also demonstrates the ability of our Zenith range to work in light commercial applications, providing water in this instance for around 60 students, plus the teaching faculty."

ABOUT VOKERA

Vokèra offers a comprehensive range of high efficiency domestic and light commercial heating and hot water solutions for a large range of applications, offering stylish designs and many optional extras as standard, at an affordable price.

For further information call Vokèra 0844 391 0999 or visit www.vokera.co.uk

