



Client:



Location:

Stornoway



Bespoke RVT Heating Solution Keeps Project on Track in the Outer Hebrides of Scotland

Project Overview

Stornoway is the main town of the Western Isles and it is the capital of Lewis and Harris in Scotland. In the heart of Stornoway town, plans were in place to transform vacant land into a new care facility for Lewis, and affordable housing for the residents of Stornoway.

The development plans included a 52-bed care home, 50 extra-care units and 74 houses. The project was due for completion by autumn 2022.

Challenge

The building programme was experiencing delays because the initial heating solution used on site was not robust enough to handle the harsh weather conditions, and there was a lack of heat getting into the building. McLaughlin & Harvey reached out to different suppliers for advice, but the suppliers were unable to help due to the location of the project, which was in the Outer Hebrides of Scotland.

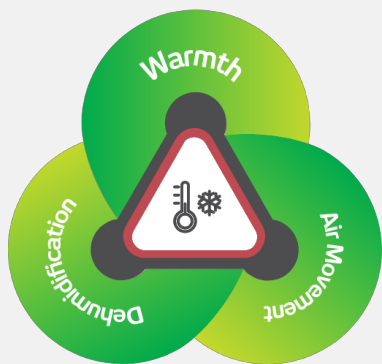
McLaughlin & Harvey then reached out to the RVT Group. A technical consultant conducted a site assessment and complex heating calculations, and used this information to advise on how to achieve an effective drying-out programme. RVT promised a quick turnaround to reduce the risk of severe project delays and damage to work already completed.

Featured Product Range:



Climex Heating Solutions

- RVT provided an end to end service. We surveyed the requirements, designed a heating system, supplied and installed the solution.
- During the construction of a new build, in order to keep wet trades on track and to prevent damage to work already carried out, the fabric of the building must be kept warm and dry.
- An effective heating programme will help to meet project deadlines, but it also protects the health and wellbeing of workers during cold winter months.
- Indirect oil fired heaters are renowned for being the most effective solution for a drying-out programme.



The 'Effective Drying Triangle' is a proven methodology, devised by the RVT Group, to ensure effective drying-out on site

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Solution

RVT Group installed a customised Climex Indirect Oil-fired Heating System.

RVT Engineers took two aeroplane flights to get to the project, whilst the heating equipment was quickly delivered to site by road and ferry. The engineers installed a mix of Climex 150kW and 200kW Indirect Oil Fired Heaters over a 3 day period in the lead up to Christmas.

The heating system provided a gradual heat supply, raising the room temperature and lowering the relative humidity of the air, as a warm and dry air circulated throughout the building. The circulation of dry air was required to draw moisture from surfaces and purge out damp cold air. Damp air was rapidly displaced, eliminating the need for dehumidifier units. RVT's Indirect Oil Fired Heaters provided all the necessary components for a successful drying out programme, all from one unit.

RVT also provided transformers to power the heaters through existing generators on site. The fuel supply and tanks for the heaters were also managed by RVT.



CLIMEX® Indirect Oil Fired Site Heater

Why is it the optimum equipment choice for drying-out on site?

- ✓ Over 92% efficient – this means 92% of the heat generated goes into the building/target area
- ✓ No naked flame = no fire risk
- ✓ Very gradual and even heat rise - so there is no risk of drying-out too soon (causing cracked plaster etc)
- ✓ It provides all the necessary components for a successful drying out programme, all from one unit.



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