



Mid Devon District Council selected the Unico SDHV System based on its Innovative Design which provides Heating, Cooling and Ventilation

Introduction

The aim of this project was to provide a system that delivers efficient, high-quality heating, cooling and ventilation to an existing traditional build bungalow for occupants who are more likely to be elderly and less mobile. The required solution was required to contribute to delivering the lowest possible carbon footprint

within a reasonable budget whilst achieving the EnerPHit standard for retrofit of 50kWh/m²/yr. The system needs to be controllable, efficient, simple, effective and affordable for the occupants. The installation is required to be scalable, i.e. in terms of application and value and address current issues of ventilation, air quality and possible overheating within the property.

Strategy

Mid Devon District Council selected the Unico SDHV system based on its innovative design which delivers conditioned and enhanced indoor air quality. The system integrates a humdistat controlled MEV and maintains an exchange of fresh air to the property. It has the advantage of having the distribution system in the roof space.

Results

The longer-term operational benefits include the price point, the integration of known technologies (ASHP) and the potential for future installations to be delivered via the DLO.

The enhanced environmental controls maintain healthy households, reducing pressure on the local NHS. We also expect the system to be fundamental in helping with the reduction of disrepair claims as a result of damp and mould. Ongoing maintenance and servicing is provided by Robert Heath.



Key Features

Installation Date
Summer 2021

Property Type
Offgas one bedroom bungalow,
Lapford Devon

System Specification
Unico System 1218 BL1 Blower
Module, S.M.A.R.T. Control,
Variable Speed EC Motor, 218 CL1
Heatpump Coil Module, Ultraviolet
Lighting System - for air
purification

Energy Source
Daikin EBLQ05CV3

Controls
Nest - Pro Learning Thermostat

MEV
Domus mechanical extract
ventilation system