

OVERVIEW

Lunos e²60 was chosen for a new mixed-use development scheme in the centre of Old Town Swindon.

The developer was impressed that the units could be installed quickly and efficiently with minimal disruption to the project timeline.

The units provide excellent indoor air quality, automatically controlled by the in-built humidity & temperature sensors.

RESULTS

For this project noise concerns were a driver in the design as there is a nightclub located next to the site. We were able to demonstrate not only fantastic cost savings and energy savings in using the Lunos system but that this all could be done while effectively **eliminating any external noise pollution to the tenants.**

Using the Lunos e²60 system shows there to be an **average saving of 15.5% in the DER (Dwelling Emission Rating) in the SAP Calculations.**

There was also shown to be an **average 24% saving in the Space heating demand** of each apartment from the SAP calculations.

In addition, a thermal comfort analysis showed that Lunos significantly reduced the risk of overheating, reduced the peak summertime internal temperatures and provided more control over the general indoor conditions.

The Lunos system used therefore results in not only fantastic air quality but it significantly reduces both the energy demand and carbon emission targets for these apartments all while providing a more comfortable indoor environment.

**24%**

Space heating savings

SAP DER reduction

15.5%

System Running Cost

£1.12 per Year*based on £0.155 per kwh electricity & typical household routine

Key information

- Lunos e²60 units used in Bedrooms / Living space
- Lunos Silvento FK units used in wet rooms