

ENHANCING COMFORT: TOWELRADS' CONTRIBUTION TO CWMGLAS PRIMARY SCHOOL RETROFIT PROJECT

In collaboration with City & County of Swansea Council




Towelrads
Part of the Brickability Group plc

In February of 2022, Towelrads embarked on a collaborative venture, joining a 36-month ongoing initiative aimed at retrofitting Cwmglas Primary School. To ensure minimal disruption to the school's daily operations, this project has been thoughtfully divided into several stages.

The initial phase, designated as Stage 1, focused on the top floor of the school premises. Specifically, attention was directed towards the music education and nurture rooms situated on this level. A noticeable difference in temperature existed within these spaces, making them colder than other areas throughout the school. These rooms sported aging standing convector heaters, rendering them ineffective. Furthermore, the characteristics of the building's construction, the room dimensions, and the heat load posed challenges that rendered conventional low surface temperature radiators insufficient.



In response, the decision was made to utilise the Towelrad TZT convector heater equipped with an integrated fan. This selection proved suitable for the low-temperature wet heating system, offering an elevated heating capacity. Notably, the rounded edges of the TZT convector heater not only enhanced its aesthetic appeal but also elevated the safety of the products, rendering it an ideal choice for a school.

The thermostat-controlled fan speed of the TZT convector heater ensured continuous and responsive temperature management within the room, promoting optimal thermal comfort.

Although the solution was successfully implemented within the designated rooms, the challenge persisted in the corridors. Enter our Vertical and Horizontal LST Ultra Radiators, serving as the perfect antidote to this issue. Our Ultra LST radiators deliver impressive heat output while maintaining a low surface area. Moreover, their covers, measuring a substantial 2mm in thickness (above industry standards), guaranteed safety across the entirety of the top floor.

With the successful completion of Stage 1, marked by the seamless integration of our products into the design framework, we have been entrusted with an extension of our role into Stage 2. This forthcoming phase encompasses the lower floor of the school, encompassing the dining hall, corridors, and classrooms. This work will be carried out over the summer months so that come the start of the school term the students can tackle the winter months in a comfortable learning environment.

