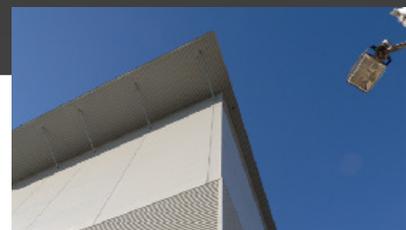




MVPC is United Utilities' dewatering and incineration centre, located at Widnes in North West England. As part of a £90m scheme undertaken by United Utilities, this site is to undergo large scale expansion and redevelopment in a move to protect the environment from concentrate liquors produced from the new dewatering process. Eurobond's Europanel product was specified as part of the building envelope for this exciting new scheme

PRODUCT | EUROPANEL
CLIENT | United Utilities
CONTRACTOR | Weatherwise



Europanel is Eurobond's signature composite panel system, developed as a 'total external wall solution' it has been engineered to provide 'built-in' passive fire resistance as well as a complete cradle to cradle system which means at the end of life of the products they can be recycled to create virgin materials.

Within the buildings white walls, the processing centre will treat 1,650kg of NH₃-N per day, and heat given off by the incineration process will be used to generate electricity for the plant, providing around 50% of the facility's needs and thus improving the MVPC's green credentials. It is expected that this pioneering process centre will inspire other utilities to follow suit with their treatment processes.

Naturally, a building of this size and purpose has a number of concerns attached to the performance. From thermal and acoustic performance to fire safety the panel system chosen must provide the highest performance available. The building, designed to be functional but with as little impact as possible on the wider Mersey Valley landscape meant that the externals were extremely important.

The Europanel system offers high performance and an aesthetically pleasing finish thanks to its secret fix joint detail. The unique design flexibility offered by Europanel offered the architects the ability to match project requirements exactly; with panel modules available in 50mm increments between 300mm-1200mm. With Eurobond's signature Europanel product specified as part of the building envelope, the solution was also able to increase the thermal efficiency of the building in line with the Building Energy Performance Directive 2003 and create a weather tight system.

