

KingspanWater Case Study

University of Huddersfield, West Yorkshire

“Consumption of water has been reduced year-on-year against a trend of increases in the Higher Education sector. This is just the start of sustainable projects for us - and not just new buildings but also in refurbishment of our buildings and in future projects.”

Alan Johnson, Deputy Director of Estates and Facilities, University of Huddersfield.

Client:	University of Huddersfield
Project:	Creative Arts Building
Location:	Huddersfield, West Yorkshire, UK
Product:	KingspanWater Envireau Fully Integrated Rainwater Harvesting System

KingspanWater supplies rainwater harvesting to the University of Huddersfield.

KingspanWater, the leading supplier of rainwater harvesting equipment to the UK building industry, has supplied an Envireau system to the University of Huddersfield for its new £14 million Creative Arts Building.

The KingspanWater Envireau will collect rainwater water from the building's roof, filter it and then pass it into a below ground 45,000 litre rainwater holding tank. The water will then be pumped to a high level header/break tank within the building to service toilet flushing.

Mains water is also delivered to the header/break tank independently of rainwater, to provide back-up if rainwater supplies are exhausted, or if electrical power is interrupted.

As Gerry Quinn, Product Manager for Envireau notes, rainwater harvesting can not only help conserve water supplies, it can also bring significant cost savings for properties on water metres.

“We estimate the total rainfall in the region is around 800mm, which means that the total annual savings will be around £813 per annum – a payback period of seven years,” says Quinn.

The Creative Arts building also incorporates solar panels and wind turbines, which, together with the KingspanWater Envireau, is intended to achieve a ‘Very Good’ BREEAM (Building Research Establishment Environmental Assessment Method) rating, one of the higher marks awarded to sustainable buildings.

“We are proud to be one of the first organisations in Huddersfield to be investing in sustainable options like rainwater recycling and renewable energy for our buildings,” said the University's Deputy Director of Estates and Facilities, Alan Johnson.

For more information, call the KingspanWater Technical Advisory Service on +44 (0) 1296 633139, or visit our website www.kingspanwater.com.

Sustainable, Reliable, Affordable

