



NON RESIDENTIAL (non-domestic) – 2 categories (retrofit and new build)

Retrofit: Cardiff Bus Depot. Rain water harvesting, cleaning and reusing rainwater for Commercial Vehicle washing.

As part of a major refurbishment Rainharvesting Systems Ltd worked with partner company, Natural Power UK, to design a rainwater harvesting system which enables the transport company Cardiff Bus to collect rainwater from the roof of their depot.

Rainfall is collected from the depot's roof, then cleaned using filtration and U-V disinfection (to ensure no risk to employee health from airborne water particles created by the bus washes) then stored in a 26,000 litre tank.

So far, buses have been washed with rainwater for just a few months, but in the first 5 weeks of operation 150m³ (150,000 litres) of rain was used instead of mains water. A monitoring unit built into the system will enable the bus company to know exactly how much mains water has been saved at the end of a year.

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