



# Radyr Weir Hydroelectric Scheme, Cardiff

PDL273



The scheme comprised the design and construction of a new hydroelectric scheme at Radyr Weir on the River Taff in Cardiff. The aim of the scheme is to establish a clean and reliable source of renewable energy by harnessing the power of the River Taff.

The works comprised the installation of two Archimedes screw turbines within the river bank area behind the eastern abutment of Radyr Weir. Other works included minor demolition, an improved fish pass and fish trap facility to replace the existing fish pass and associated buildings and infrastructure.

The contract also required modifications to the Melingriffith Feeder channel, including the provision of a crossing point for access during the construction and operation of the scheme.

In June 2017 the scheme was awarded the **ICE Wales Cymru George Gibby Award**.

**Client:** Cardiff County Council

**Value:** £4,100,000

**Engineer:** Cardiff County Council

**Duration:** 55 weeks