

Successful completion of hydro projects in Scottish Highlands underlines versatility of HDPE piping

Written by Karl

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The versatility of high-density polyethylene (HDPE) piping for hydroelectric power generation schemes is being increasingly recognised by estate owners in the Scottish Highlands following the successful completion of three projects.

Fusion Marine Ltd, the Oban based high volume water piping specialist, working with consulting engineer Adrian Laycock Ltd, have installed plastic piping for three hydro projects in Argyll at Glencreran, Barguilean and Achnacree. Several other local contractors were also involved and played a crucial role in the successful completion of the projects.

At Glencreran, 900m of 500mm diameter piping was installed for a 100kw scheme for Glencreran Estate. Another 100 kw scheme was successfully completed for Barguilean Hydro Ltd following the installation of 2,000m of HDPE piping of varying diameter. For both projects the pipes had to be airlifted into place by helicopter due to site inaccessibility. The final 100 kw project at Achnacree for Achnacreebeg Energy Ltd involved 900m of 500mm diameter piping connected to an existing dam, which also involved the construction of a complex pipe bridge and rock trenching.

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HDPE piping is being used for a new water supply system in the Scottish Highlands. The system will supply water to a new housing development and a new school. The system is being installed by a local contractor. The system is made of HDPE piping, which is known for its durability and resistance to corrosion. The system is being installed in a trench. The trench is being backfilled with soil. The system is being installed in a trench. The trench is being backfilled with soil.