



IONA SEABED WATER SUPPLY PIPELINE



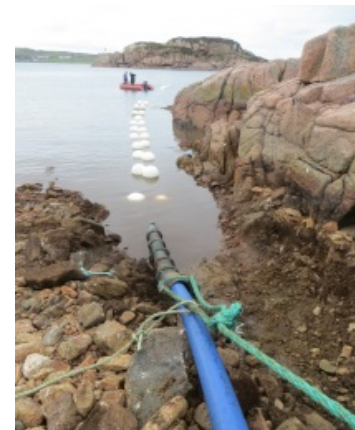
Fresh water to the historic island of Iona, the birthplace of Christianity in Scotland, was supplied by twin 90mm diameter, 1.5km long pipelines laid on the seabed from Fionnphort on the Island of Mull across the sound of Iona.

Irreparable damage to one of the pipelines placed the security of supply at risk and this contract was to install a new, 125mm diameter, seabed HPPE pipeline to augment the remaining serviceable pipe.

A seabed sonar survey was undertaken to identify the optimum route and pipe-laying was controlled by GPS to ensure accurate positioning. The pipeline itself was encapsulated within cast-iron, interlocking clamshells to weigh it down and embed it on the seabed.

New connection chambers were also constructed at Fionnaphort on Mull and at Port an Disearc on Iona where particular care was exercised to ensure there was no disturbance to important archaeological remains.

To minimise the impact on the narrow roads on Mull, the pre-coiled pipe, clamshells and other materials were delivered to the quayside at Corpach near Fort William and pre-loaded onto the workboat for onward transportation by sea around Mull to the Sound of Iona.



CLIENT:	Scottish Water
ENGINEER / DESIGNER:	Allen Gordon
CONDITIONS OF CONTRACT:	NEC Option A
DURATION OF WORKS:	March – July 2016
CONTRACT VALUE:	£ 865,000

