



- LOCATION **Strontian, Scottish Highlands**
- SYSTEM SIZE **100kW<sub>e</sub>**
- EXPECTED ANNUAL GENERATION **410,000kWh**

Locogen were commissioned in 2012 by Sunart Community Company (SCC) to complete the initial design and business case, and obtain the necessary consents, for a community-run micro hydroelectric scheme on the Allt nan Cailleach burn, around 1.5km north of Strontian.

Funding was secured for the construction of the scheme through a community share offer during 2014 and early 2015, with additional finance supplied by the Renewable Energy Investment Fund.

A community-benefit society, Sunart Community Renewables (SCR), was set up by SCC to develop the project; Locogen were employed by SCR to assist with the funding due diligence phase.

Locogen were then tasked with procuring the final scheme design, hydro system supplier and balance-of-plant civil and electrical contractors, and subsequently project-managed the construction of the scheme through to commissioning.

The finished installation, a high-head run-of-river scheme, uses a redundant Scottish Water dam to form the intake and is fitted with a new Coanda screen.

Around 1.1km of buried pipeline passes through various landowners' holdings, including an area of crofters' common grazing. The powerhouse is situated close to residential properties; its design therefore focused on sound attenuation.

The scheme has been in operation since October 2015, creating a long-term revenue stream for reinvestment within the local community.



*"We appointed Locogen to work on the project as we knew they had delivered similar projects in the locality. Right from the outset they were professional and flexible, and they helped deliver our project efficiently and within a tight commissioning deadline. We now have a fantastic project which brings in revenue to be reinvested in the local community for several decades."*

Richard Laybourne, Director of SCR

Locogen's team has several years' experience in the feasibility, design, consenting, installation, commissioning and operation of hydro power schemes. We have completed installations for a range of private and public sector clients, working on different types of terrain and with a wide variety of generating infrastructure. We also have a dedicated Asset Management Team which oversee the operation of existing hydro

systems. We analyse system performance, manage all maintenance requirements and take responsibility for operational contracts, regulatory compliance and financial reporting. A list of some of our projects is provided below. Please contact us if you would like further information.

## PROJECTS

Name	Size (kW)	Location	Role	Date
Broom Power Ltd	100	Ullapool	Procurement, construction PM	2016
Ben Mor	500	Highlands	Feasibility, consenting, procurement, construction PM	2016
Glencoe	50	Highlands	Feasibility	2015
Ardehive	100	Spean Bridge	Feasibility, consenting, procurement, construction PM	2015
Sunart Community	100	Strontian	Feasibility, consenting, procurement, construction PM	2015
Kinlochleven Community	100	Kinlochleven	Feasibility, consenting	2013-14
Millburn	45	Golspie	Feasibility, consenting, procurement, construction PM, M&E installation	2013
Glencrosh	84	Dumfries	Feasibility, consenting, procurement, construction PM	2013
Buccleuch Estates	20-500	SW Scotland (various sites)	Feasibility (screening study)	2013
Radyr Weir	390	Cardiff	Feasibility, consenting	2010-13
Ranachan	100	Fort William	Feasibility, consenting, procurement, construction PM, M&E installation	2012
Kintradwell	100	Brora	Feasibility, consenting, procurement	2012
Allt a Eachain	50	Strontian	Feasibility, consenting, procurement, construction PM, M&E installation	2012
Glenmuck	35	Ayrshire	Feasibility, consenting, procurement, construction PM, M&E installation	2011
Allt a Beithe	35	Fort William	Feasibility, consenting, procurement	2010
Scroggie	10	Dingwall	Feasibility, consenting, procurement, construction PM,	2010

