



- LOCATION **Leven (Fife) and North Berwick (East Lothian)**
- SYSTEM SIZE **Multiple 0.5kWp – 1kWp**

Hart Builders is part of one of Scotland's largest development and construction groups, Cruden, and a leader in the delivery of residential developments. Energy efficiency regulations for new-build homes now favour the installation of renewable energy systems and Hart turned to Loco2gen to deliver.

Legislation on the energy efficiency of new-build homes in Scotland means that an element of renewable energy generation should be built into the designs of many new residential developments. Hart approached Loco2gen as a leader in the field of domestic renewables to provide a comprehensive solution to this challenge.

The initial projects involved 31 domestic scale solar PV systems on a new-build housing development in Leven and 30 systems at a similar development in North Berwick.

We began by reviewing the SAP calculations to identify the optimal design and size of the systems. The systems selected utilised Seraphim solar PV panels, Enphase micro inverters and Renusol mounting systems. Black

framed panels were used to create a better aesthetic result, while micro inverters minimised internal space requirements.

We worked closely with Hart to ensure that the installation of the solar PV systems was timed to fit seamlessly into the general construction schedule. Our engineers were onsite during roof construction, working alongside the Hart team to make best use of site resources and complete the installation efficiently and without disruption to other trades.

Our expert and experienced in-house team is able to offer a turnkey solution for housebuilders, including pre-construction and multi-technology advice, grid application, design, installation, remote monitoring, after sales service and maintenance.



"Loco2gen's work was all to a good standard and quality, completed to programme with a helpful, positive and proactive attitude which would encourage us to work with them again in the future."

Stuart Morton
Contracts Manager
Hart Builders (Edinburgh) Ltd

WHY LOCOGEN?

The Locogen Group, an award-winning pioneer in the sector, has been established since 2009 as a consultancy, developer, installer and operator of renewable energy assets.

Our team of engineers, project managers and technical consultants has delivered hundreds of renewable energy projects around the UK, covering solar, wind, hydroelectric and anaerobic digestion technologies. We take projects from initial concept through feasibility, design, consenting, due diligence, construction, commissioning and operation.

Our Solar Team has several years' experience in the feasibility, design, consenting, installation, commissioning and operation of residential and commercial solar PV schemes. We have completed installations throughout the UK for a range of agricultural, construction, retail, industrial, manufacturing and public sector clients, working on a wide variety of pitched and flat roof types. We also have an Asset Management Team that can remotely monitor operational systems on a daily basis to ensure they are working efficiently.

We are recognised as a proactive, honest and professional company and our flexible services are renowned within the sector. We have a national presence, with a UK-wide network of engineers and technicians giving us a quick response time, ensuring minimal project down-time and maximum system performance.

Our Projects

-  WIND
-  SOLAR
-  HYDRO
-  ANAEROBIC DIGESTION

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