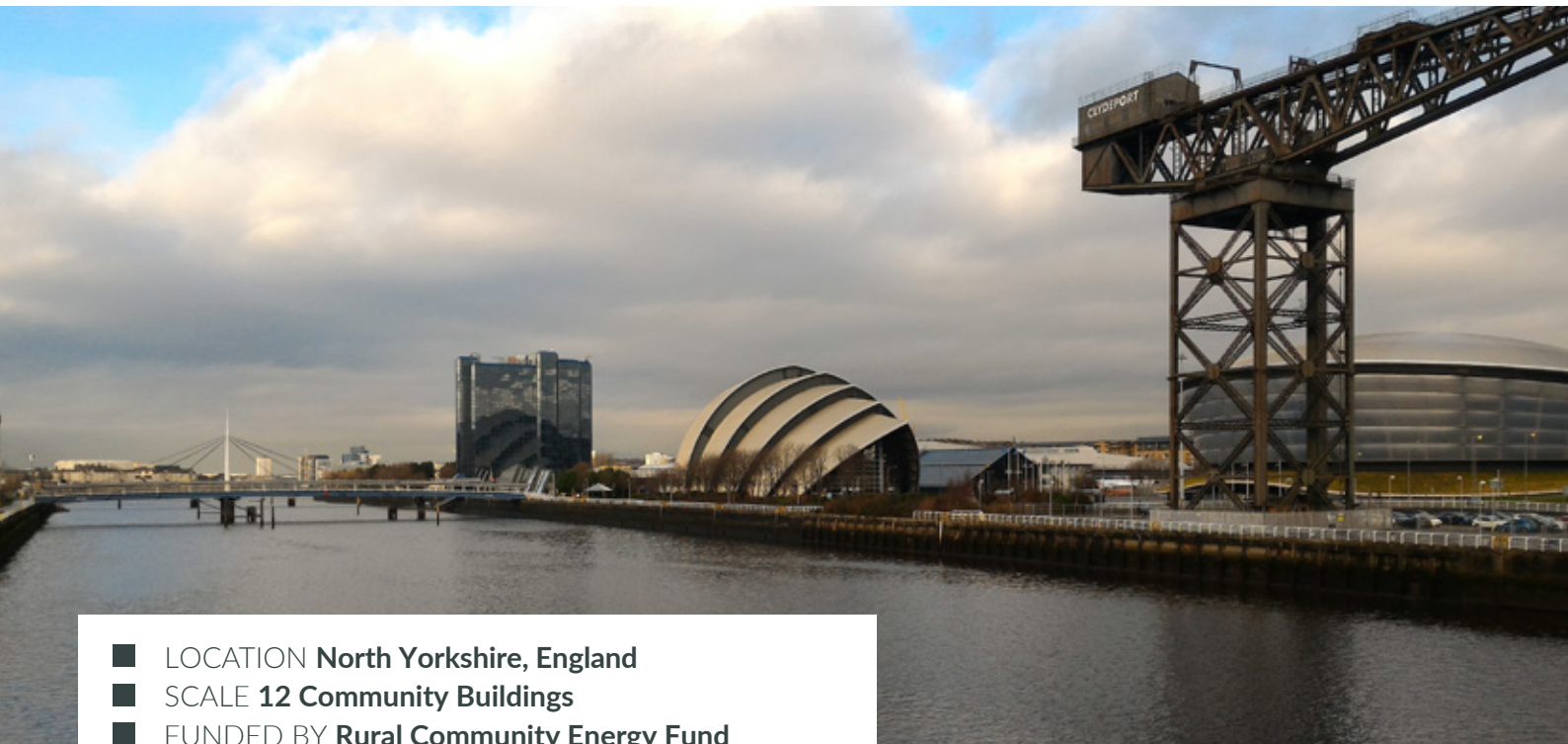


# CONSULTANCY

Yorkshire North and East Methodist District  
RCEF Stage 1 Feasibility Study



- LOCATION North Yorkshire, England
- SCALE 12 Community Buildings
- FUNDED BY Rural Community Energy Fund

## Locogen was appointed by Yorkshire North and East Methodist District to undertake a Stage 1 RCEF Feasibility Study, focused on exploring carbon reduction opportunities for 12 Methodist churches in North Yorkshire.

Led by the Nidd Valley Methodist Circuit, a group of Methodist churches working under the project name 'Net Zero for Nidderdale Area Methodists', were looking to explore options to decarbonise 12 Methodist churches throughout Nidderdale and nearby communities in North Yorkshire.

The Yorkshire North and East District of the Methodist Church aims to be net-zero carbon by 2040 and as such, wished to assess the feasibility of integrating renewable energy technologies into churches, with the ultimate aim that these churches will act as demonstrator projects for replication throughout the Yorkshire North and East District of the Methodist Church estate.

The project was supported by the BEIS funded Rural Community Energy Fund (RCEF) which is managed by the North East and Yorkshire & Humber Energy Hub and administered by Tees Valley Combined Authority.

The 12 Methodist churches were assessed by Locogen for their potential to host wind, solar PV and battery storage technologies to offset their electricity demand, as well as evaluated for their suitability to move from fossil fuel heating to electric heat pumps.

For each church, Locogen produced a fully costed solution which outlined development, capital and operational costs, potential income streams, and carbon savings anticipated annually and over a 20 year period. Additional energy efficiency measures, such as insulation, secondary glazing and LED lighting were also recommended where appropriate.

Locogen continues to work with the community group to identify suitable funding sources for further work and support the churches through the design and development stages of their installations.

"As a Gold Eco Church, one of our targets for the year was to find out more about solar panels, the viability of having them on our church and other renewable options. This project has enabled us to achieve our target, understand the various options and ensure we are confident to move forward. I am sure we would not have known where to start unless we had been involved."

rose Gosling, Summerbridge Methodist Church



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# WHY LOCOGEN?

Locogen is an internationally recognised and award-winning expert in facilitating the development, construction and operation of renewable energy systems for our partners and clients. Our vision is to see the world powered by 100% distributed renewable and low carbon energy; where everyone has access to affordable, sustainable energy and clean air. We work to realise that vision by providing investment-grade technical and commercial expertise and advisory services to support the development, design, build and operation of renewable energy and low carbon projects in the UK and internationally.

## SERVICE AREAS

We operate across all project stages, from site finding, feasibility and options appraisal, all the way through to construction, asset management and decommissioning. These services are delivered via our development, operational services, consultancy and energy services divisions.

## DEVELOPMENT

Locogen has been developing renewable energy projects since 2009. We have successfully developed utility and commercial-scale wind and solar farms, along with community hydro projects. We often develop projects in partnership with other organisations, such as private equity investors, landowners, international developers and community groups. We are actively seeking new projects to invest in and we bring considerable experience and expertise to ensure success. We also offer a zero-risk option for landowners, where we lease the site and take full responsibility for every aspect of the development. If you're simply looking for finance, we can help identify the best-fit deal or look at investing in your project ourselves.



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## OPERATIONAL SERVICES

Our operational services team delivers asset management, operation and maintenance services across a range of renewable technologies. Asset management is key to ensuring the proper operation of your renewable energy asset, maximising revenue streams and boosting return on investment. Securing the right asset performs to your expectations over the course of its lifetime. Locogen has comprehensive asset management packages for wind, solar and hydro projects. Services include performance analysis, maintenance co-ordination, operational administration, regulatory compliance and financial services. We tailor these packages to meet precise needs of individual clients. Our asset management team has an excellent record in minimising downtime, responding quickly to technical issues to maximise generation - and revenues. Our Power Purchase Agreement (PPA) service is free to all asset management clients and secures the best deals available.

## ENERGY SERVICES

Our energy services team complements our renewable energy consultancy and development divisions, offering contracting services over a wide range of technologies, including wind, solar, renewable heat and hydro projects. Our team includes experienced consultants, designers, field engineers, electricians and project managers. The renewable energy services team can also act as principal or main contractor, taking full control and responsibility for construction of your renewable energy project.

The team has worked extensively across sectors such as new-build and social housing, public sector, commercial and community groups. Our experience and expertise ensure these projects are delivered safely, on schedule and to budget.

## CONSULTANCY

Our consultancy team provides professional services at every stage in the life of a renewable energy project. At the very earliest stage, we conduct feasibility studies to advise on the viability of the project and perform formal due diligence services to ensure lenders or investors are appraised of all project risks. Our design team will take the project through from survey to complete project design and our consenting services will make sure all proper consents are obtained to allow the project to proceed. We offer expertise in mature technologies, such as wind, solar and renewable heat, and also advise on emerging sectors such as hydrogen, net-zero strategies, energy storage and local energy markets.

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