



**Electrical, Telecoms  
& Security Design  
Consultancy**

## CASE STUDY - SUSTAINABILITY

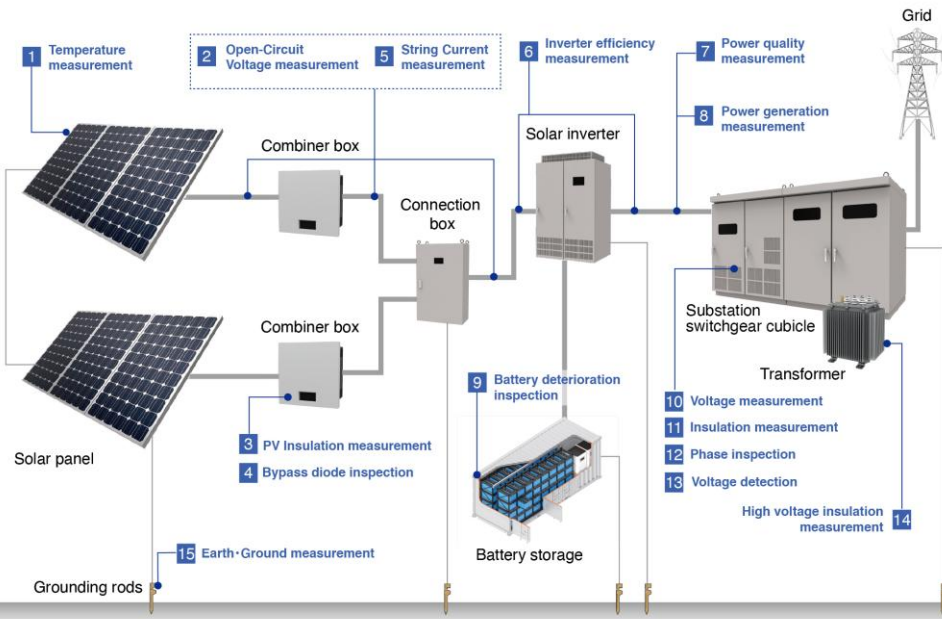
**Project: Solar Farm Feasibility**

Client advisory and technical assistance  
performance review Case Study

**Client: NHS Ayrshire**

**Date: July 2025**

**Value: £10.0m**



### Project Overview:

NHS Ayrshire appointed Electel to conduct a technical review of their infrastructure at Irvine Central Hospital with the intention to integrate a new Solar Farm Supply from North Ayrshire Council at Nethermain in Irvine

This project is the first of its kind in Scotland where local authority's and NHS collaborate to provide low carbon solutions to their communities.

ESD performed the following duties

- Technical review of existing NHS HV / LV infrastructure
- Technical review of NHS metering data
- Technical review of NAC Solar Farm HV / LV / solar infrastructure
- Technical review of Solar Farm output
- Design proposals for New HV infrastructure for NHS Site and Solar Farm site including private wire connections
- Design proposals for New DNO Substation at NHS Site
- Design proposal for BESS scheme at NHS Site
- Discussion of ownership of assets and agreements
- Budget cost for the proposed scheme

The ESD feasibility report will be used to secure funding from the Scottish Government for this exciting innovative groundbreaking scheme. ESD are delighted to showcase our design prowess to make this project come to life.

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