

CASE STUDY

2x 50kW PV Installations (G59) for NHS

BESPOKE DESIGN

Each installation is designed to meet specific client requirements with full computer simulation used to prove all designs.

ENERGY EFFICIENCY

As approved Carbon Trust Consultants, we will ensure that the system energy performance is optimised to produce lower operational costs.

PROJECT CDM AND MANAGEMENT

Our engineers and consultants will ensure that all aspects of the design and installation are fully compliant and all relevant permissions and safety requirements are fully adhered to.

MCS ACCREDITED

ESP is an accredited installer, approved under the Government's Micro-generation Certification Scheme.

CARBON TRUST

ESP are approved Carbon Trust Energy and Biomass Consultants.



- Full design, install and commission
- G59 compliant PV installations
- Planning application
- Designed to run in conjunction with site G59 CHP
- Web based control with SMS text alerts



ESP undertook the design, planning and installation services for 2x 50kW PV installations at North Tyneside General Hospital and Wansbeck General Hospital. Both projects involved the preparation and submission of planning applications and were required to meet stringent NHS design standards. In addition special consideration was required to the G59 operation and in particular ensuring that the stand by power provided through the existing CHP plant was not unduly disrupted.



ESP arranged for automatic meter data collections with regular readings sent to relevant parties. FiT payments are made directly to the NHS through Tradelink Solutions Ltd.



In house project management ensured a high level of health and safety throughout the project, meeting all CDM regulations.



NHS benefit from circa 36,000kWh per year of electricity generation per installation leading to a reduction in carbon emissions of 19.1 tonnes of CO₂ a year per installation. Public awareness was raised through the installation of total generation and carbon reduction to date displayed in reception.



All aspects of connection to the disruption network was arranged through correspondence with the DNO ensuring that connection agreements were received without causing any unnecessary delay to the project.



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