
From: Bethan Tricker <btricker66@gmail.com>
Sent: 05 April 2023 19:15
To: Ferreira, Marlene
Subject: Solar Panel information
Attachments: PV Quotation - Bethania Chapel.pdf

*****WARNING THIS IS AN EXTERNAL EMAIL*****

*****External attachment warning, although this email has been scanned for threats, please take extra care before opening attachments from unrecognised senders.*****

Hi Marlene,
I don't know if the following attached brochure will suffice. Please let me know.
Thank You
Bethan

Bethania Chapel

Aberfan Road, Aberfan, CF48 4QL.

Product Description:

- Installation of 10.2kWp of Photovoltaic Array.
- Installation of 5.8kWh battery storage.

Prepared for

Mr. Bethan Tricker

Quotation Reference

Ref N 167 23

Date

17th March 2023

Your Contact

Jo Horrigan - Director
07971367343



Table of Content



Confidentiality Statement

This Quotation, along with all design information and pricing contained herein, and any related proposals or correspondence between you the 'Customer' and nuvolt Ltd shall be considered confidential information. As the Customer you agree to hold such information in strict confidence and not to disclose it to any third parties.

The Customer agrees to take all reasonable measures to protect the confidentiality of and avoid disclosure or use of such confidential information in order to prevent it from falling into the public domain or the possession of persons other than those persons authorised hereunder to have any such information.

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Project Proposal

Introduction

We thank you for your recent valued enquiry and now take pleasure in submitting our quotation for your consideration. Please check our Project Description, Financial Information and Project Quotation carefully to ensure that the equipment proposed meets fully with your requirements.

This project proposal is based upon our interpretation of the information supplied to nuvolt.

We trust this proposal meets with your approval and look forward to hearing from you in due course. If you have any questions about the submission or would like to discuss further, please do not hesitate to contact me.

Yours Faithfully

Jo Horrigan
Director

Project Title

Bethania Chapel

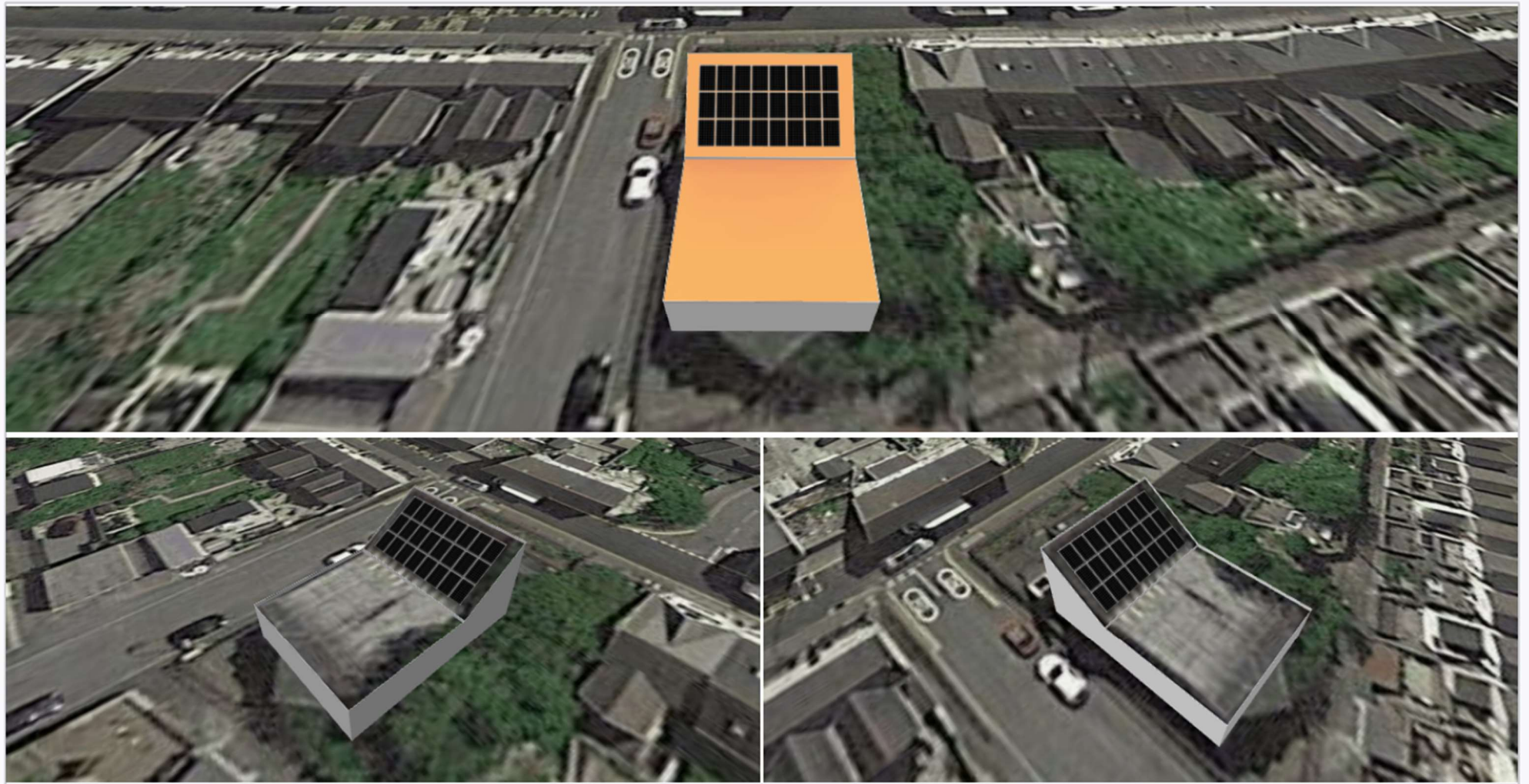
Reference

N 167 23



Proposed System Layout

Proposed PV Layout





Project Financials



The background of the slide is a collage of project management-related images. At the top left is a solid teal rectangle. Below it, a tablet displays a flowchart with blue rectangular boxes and arrows. To the right of the tablet are two highlighters (one yellow, one green) and several sticky notes (green, pink, and yellow). At the bottom, a hand holds a pen over a document with a horizontal bar chart, while another hand points at a document with a vertical bar chart and a blue arrow.

Project Quotation

Description	Price (£)
Solar PV Inverter, Optimisers & Controls 1 x Solax 7.5kW Hybrid Inverter.	£2,359.14
Solar PV Panels 24 x Trina Solar – TSM-425DE09R.08 Panels	£3,648.62
Solar PV Mounting System GSE In Roof Mounting System for Slate Roofs.	£2,809.56
Scaffold Safe Access for Installation of PV Panels and Mounting System.	£1,744.62
Battery Storage 1 x Solax Triple Power 5.8kWh Battery (Master)	£2,785.55
EV Chargers Excluded	£
Electrical Works AC & DC Cable Installation. AC & DC Switchgear Installation. AC & DC Testing and Commissioning.	£4,117.28
<u>Sub-Total</u>	<u>£17,464.77</u>
VAT (@ 20%)	£3,492.95
TOTAL	£20,957.72



Payment Methods

Via Bank Transfer

Barclays Bank,

Account details provided on Invoice

Via Bank Check

All checks payable to:
nuvolt Ltd.

If you would like to proceed with the above quotation, please complete the 'Quote Acceptance' section towards the back and return to Sales@nuvolt.co.uk



Reasons **why choose us** as your solutions provider and ensure your project success.



Experienced Team

Our “hands on” and experienced management team will be directly involved in the success of your project.



Excellent Support

Our team of experts are not only knowledgeable, but they’re also passionate about helping our customers succeed.



Excellent Work Standard

We take pride in providing quality workmanship, quality people and quality materials to deliver our services to a high professional standard.



Cost Effective Solutions

We provide our clients with innovative and cost-efficient energy saving solutions through our team of experts and up to date industry knowledge.

Project Case Study



PROJECT STATISTICS

SECTOR
Manufacturing

TECHNOLOGY
Solar PV with Optimisation

SYSTEM SIZE
56.7 kWp

EST. PAYBACK
3 Years

25 YR SAVINGS
£861,340

STROUD BREWERY

Nuvolt were approached to assist with reducing the tenants energy bill by providing a full turnkey Solar PV installation via a PPA agreement. This is one of number of installations across the uk where we are assisting our client HT Power build an asset portfolio of Renewable Technologies.

- Detailed Technical Design
- Full Supply, Installation & Commissioning
- Full Handover of MCS registration and
- G99 Grid Connection

To find out more contact:

029 2267 7106
nuvolt.co.uk



CO2 Emmissions Saved
24,865 kg/yr



Equivalent Trees Planted
461



Estimated 25 Year Savings
£861,340

nuvolt

Low Carbon Energy Solutions

Project Case Study



PROJECT STATISTICS

SECTOR
Car Showroom

TECHNOLOGY
Solar PV, Battery Storage & EV

SYSTEM SIZE
PV 80.08 kWp
Battery 68.8 kWh

EST. PAYBACK
2 Years

25 YR SAVINGS
£1,001,546

THOMAS & DAVIES Citroën UK

Nuvolt were approached to assist with reducing the tenants energy bill by providing a full turnkey Solar PV installation and Battery Storage. This project was part of a Welsh Government Funding initiative for Renewable Technologies.

- Detailed Technical Design
- Full Supply, Installation & Commissioning
- Full Handover of MCS registration and
- G99 Grid Connection

To find out more contact:

029 2267 7106
nuvolt.co.uk



CO2 Emmissions Saved
16,665 kg/yr



Equivalent Trees Planted
706



Estimated 25 Year Savings
£1,0001,546

Our Services



Solar Panel Installation

Installing Solar PV provides a hedge against inflation and energy price volatility, allowing you to fix tomorrow's energy costs, today.



Battery Storage Solutions

Surplus energy from your Solar installation can be stored by adding a suitable battery storage system instead of typically being exported back to the grid.



EV Charging

When installed alongside solar PV the excess energy you generate can be sent directly to charge your car for free.

Clarifications and conditions of the proposal.



District Network Operator (DNO)

After acceptance of the quotation we will liaise with the DNO to confirm and connect the system to the grid.



Metering Arrangements

An Ofgem approved energy meter will be installed to record the energy generated from the system.



Planning Consent

Typically, PV arrays below 1mW are classed as permitted development and do not require planning consent. However, it will be the sole responsibility of the client to obtain any necessary approvals from the Local Authority. nuvult are happy to provide any technical support as required.



Structural Assessment

A Structural Engineer may be needed to assess the ability of the roof to withstand additional wind and snow loading of the PV Array. A structural report can be provided by nuvult on request.

Inclusions and Exclusions

Design & Planning	nuvolt Ltd	Client
Photovoltaic System Design - Including Roof Layout and Estimated Yield Calculation	✓	
Application to the local DNO for permission to connect to Electricity Supply.	✓	
Application for Planning and Building Control approval where applicable.		✓
Wind & Snow Load Calculation	✓	
Structural Assessment - Assessment to confirm that the existing roof structure can support the additional Wind & Snow load Calculation for the PV System.		✓
Additional Costs for G100 Export Panel and Witness Testing if required.		✓
Letter of Authority for Connection into Building Electrical Supply.		✓
Asbestos Register / Asbestos Management Surveys / Refurbishment & Demolition Surveys if required		✓
Fire Stopping / Fire Strategy if required		✓
Site Access & Storage	nuvolt Ltd	Client
Supply and delivery of all necessary equipment.	✓	
Safe Access Equipment - Scaffolding / Edge Protection.	✓	
Secure site storage - Storage of PV panels and mounting system.	✓	
Off-loading facilities	✓	
Crane / Lifting Equipment	✓	
Site Rubbish Disposal	✓	
Provision of welfare facilities.		✓
On-Site Parking		✓
Material Installation	nuvolt Ltd	Client
Risk Assessment and Method Statements - RAMS	✓	
Roof Penetrations for DC Cables	✓	
PV Panels	✓	
PV Mounting System	✓	
PV Inverters	✓	
OFGEM approved generation meter	✓	
Smart Export Meter for SEG Tariff application - System Sizes Exceeding 30kWp		✓
DC Rotary Isolators (Lockable in Off Position)	✓	
DC Double Insulated Cable	✓	
DC Containment	✓	
PV Distribution Board	✓	
AC Rotary Isolators (Lockable in Off Position)	✓	
AC Cabling	✓	
Lightning protection		✓
Modbus Meter - PV Portal Monitoring Requirement	✓	
Fire Safety Control - PV Safe Touch Isolation	N/A	
Surge protection for PV System (See Note)	✓	
Commissioning and Handover	nuvolt Ltd	Client
Production of MCS Certificate where applicable.	✓	
Production of MCS approved Handover Pack.	✓	
Testing of AC Equipment and Issuing of Electrical Installation Certificate	✓	
Building Control Notification if applicable	✓	

Note: A lightning specialist should be consulted prior to the installation of the roof mounted PV Array to advise on the specific requirements required for Lightning and Surge protection. Without any provided information from the client, we will install the following surge protection devices as standard.

1 - Type 2 Surge Arrestor at PV Inverter (DC Side Only)

2 - Type 2 Surge Arrestor at PV Distribution Board if Installed by nuvolt Ltd



Acceptance of Quote / Sign off

If you wish to proceed with the works detailed within this submission please complete the section at the bottom of this page and return to sales@nuvolt.co.uk.

1. Quotation is valid for 14 days from the date of issue.
2. Our payment terms are in line with RECC (Renewable Energy Consumer Code)
3. The quotation is based upon design and installation to a mutually agreed programme.

If you have any queries please contact the sender, details to can be found on the front page.

Date:

Name:

Signature:

Position:

We look
forward to
working with
you.

Take your business to the **next level.**

nuvolt
Low Carbon Energy Solutions

nuvolt Ltd

Anda House, 3 Links Court,
Fortran Road, St Mellons,
CF3 0LT

T: 029 2267 7106

E: sales@nuvolt.co.uk

