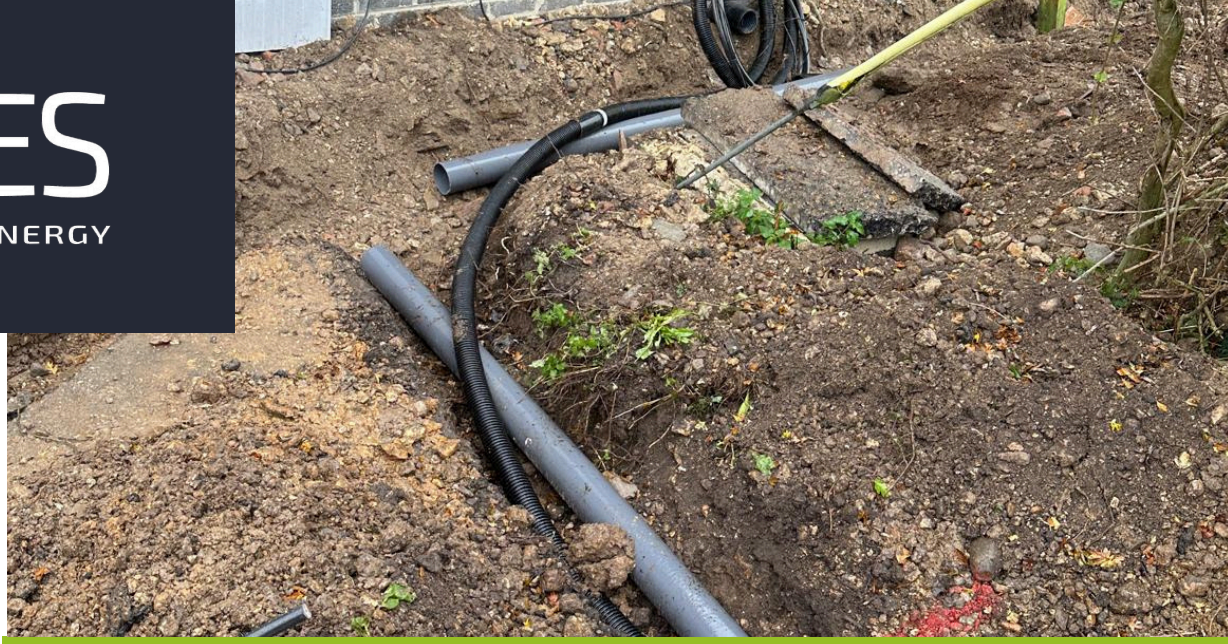
DES
RENEWABLE ENERGY



SAMMY MILLER MOTOR MUSEUM CASE STUDY

PROJECT OVERVIEW

The Sammy Miller Motor Museum at Bashley Cross Road, New Milton, is one of the finest motorcycle museums in Europe, with a tea room and visitor facilities. DES Renewables delivered the electrical infrastructure that enabled the museum's solar installation, routing supply and data cabling across a large, publicly accessible site.

DES Renewables ran a steel-wire-armoured supply and data cable internally alongside the tea-room supply, terminating it into a spare way in the main distribution board. An existing 16 A three-phase circuit was doubled up in 2.5 mm flex to feed a Chint generation meter, and DC and data cabling was laid in ducting within a trench across the site.

PROJECT DETAILS

Company Name: Sammy Miller Motor Museum
Location: Bashley Cross Road, New Milton, Hampshire BH25 5SZ
Scope: Electrical infrastructure enabling the museum's solar installation
Installation Type: SWA supply and data cabling with trenched DC and data routes
Project Timeline: Site works carried out in December 2024 by a three-person team over a day

OBJECTIVES

Reduce electricity costs

- Provide the electrical infrastructure needed to enable the museum's solar installation
- Route supply, DC and data cabling across a large site without disrupting public access
- Terminate cleanly into the existing main distribution board and tea-room supply
- Provide generation metering ready for monitoring
-

BESPOKE ASSESSMENT AND DESIGN

INITIAL ASSESSMENT

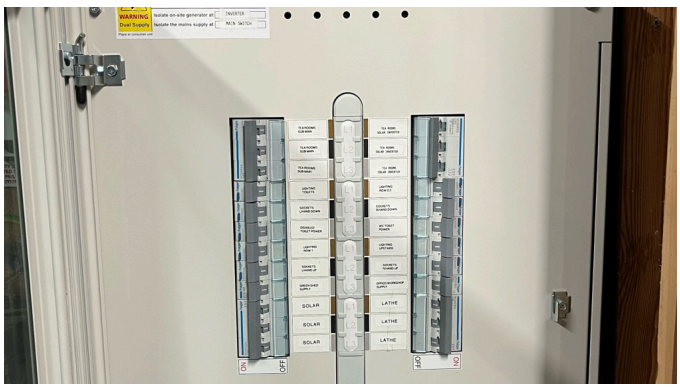
DES Renewable Energy conducted a comprehensive assessment of roof space, structural considerations, sun exposure, and interlocking constraints. This ensured optimal placement and system sizing to maximise energy production and long-term reliability.

PERMITTING AND APPROVALS

DES Renewable Energy ensured compliance with building regulations, electrical standards, and industry best practices. All necessary permits and approvals were obtained to guarantee a fully compliant and safe installation.

SYSTEM DESIGN

Cable routes were planned around the museum's existing buildings and visitor access. A steel-wire-armoured supply and data cable was run internally alongside the tea-room supply and terminated into a spare way in the main distribution board. An existing 16 A three-phase circuit was doubled up in 2.5 mm flex to feed a Chint generation meter.

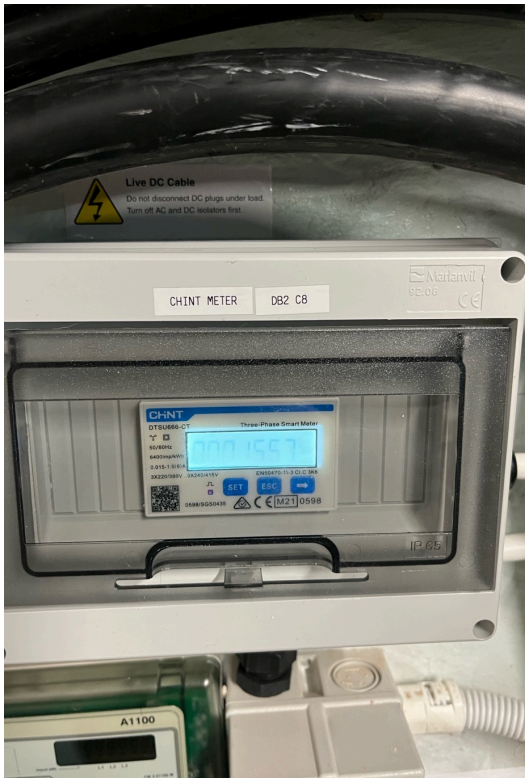


+44 1202 985888 www.desrenewables.com info@desrenewables.com

INSTALLATION AND COMPLETION

INSTALLATION AND COMMISSIONING

The installation was carried out with minimal disruption to the day-to-day site operations. Panels were securely mounted, connected to the inverter, and integrated with the existing electrical system. Comprehensive testing and commissioning verified the system's performance, functionality, and safety.

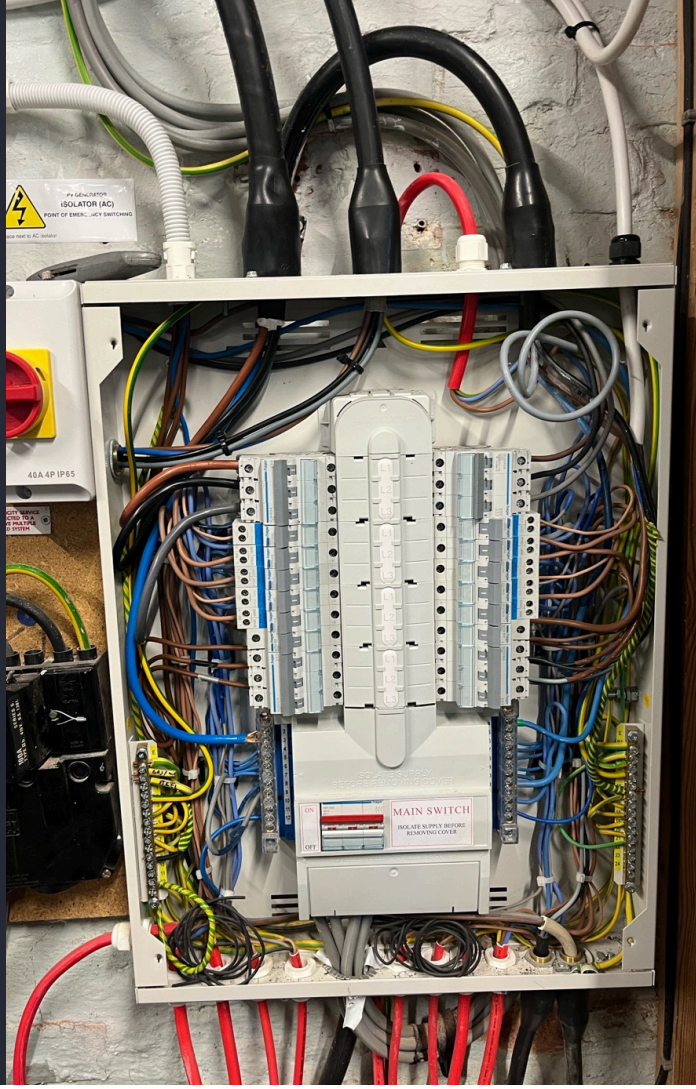


WHERE DES RENEWABLE ENERGY ADDS VALUE:

From initial assessment to completed commissioning, DES Renewable Energy provides a turnkey solution that ensures optimal energy generation, regulatory compliance, and sustainable operational savings.

AT A GLANCE

- Electrical infrastructure enabling the museum's solar installation
- One of the finest motorcycle museums in Europe, with a tea room and visitor facilities
- Steel-wire-armoured supply and data cable run internally alongside the tea-room supply
- Terminated into a spare way in the main distribution board
- Existing 16 A three-phase circuit doubled up in 2.5 mm flex to feed a Chint generation meter
- DC and data cabling laid in ducting within a trench across the site, with coils left for final pull-through
- Carried out December 2024 by a three-person team over a day
-



BENEFITS

- Minimal Visitor Disruption: groundworks and cable routing planned around public access and the museum's existing buildings
- Future-Ready Infrastructure: cable coils left for final pull-through once building penetrations and board positions were set
- Generation Metering: a Chint generation meter installed and fed from the existing three-phase supply
- Compliant Installation: delivered by an MCS and NAPIT certified installer
-

+44 1202 985888 www.desrenewables.com info@desrenewables.com

DES
RENEWABLE ENERGY

OUR ACCREDITATIONS

We are MCS Certified which guarantees that our installations have been designed, installed, and commissioned to the highest standard using only MCS certified products.

We are also NAPIT Certified which confirms that we are certified to install and self-certify all of our electrical installations. We also comply with the Renewable Energy Consumer Code (RECC).

MCS

RECC
RENEWABLE ENERGY CONSUMER CODE

NAPIT

iwa
DEPOSIT & GUARANTEE PROTECTION

City & Guilds

Electrical Safety Register

+44 1202 985888 www.desrenewables.com info@desrenewables.com