HMF
Engineering and Project Management Consultants

Project Overview

Chickerell 132kV/33kV

Engineering Design Project

SSEN had identified the poor condition of all the following Plant & Equipment at Chickerell 132/33/11kV substation

All the above Capital schemes would improve Health Index of Assets, future proof the site, and reduce the risk of advanced ageing of plant due to the substation' s coastal location.

Advanced Engineering. Coordinated Delivery. Reliable Grid Performance.



www.hmfconsultants.co.uk

Swipe

HMF
Engineering and Project Management Consultants

Project Location

Off Wessex Roundabout, Weymouth, Dorset , DT4 9XH England, United Kingdom

The Milford On Sea is located in Lymington and has historically been an important power generation facility within the UK energy network.

Following the decommissioning of the coal-fired power station, the site is now being redeveloped to support modern energy infrastructure, including grid-connected battery storage and supporting transmission assets.

The project aims to strengthen grid stability while enabling future renewable generation and storage integration within the regional transmission network.



Swipe

HMF
Engineering and Project
Management Consultants

Project Background

- HMF has completed the feasibility design and detailed design.
- Conduct Regular design review meetings with SSE/Keltbray.
- Conduct full end to design for Keltbray as well as Leading project coordination as Principle Designer Role.
- Coordinate all design related to Civil feasibility submission and Cable Design.



Swipe

HMF
Engineering and Project
Management Consultants

Key Engineering Deliverables

HMF Consultants developed detailed technical documentation and engineering design deliverables including:

- Designing of elevated 33kV Switchroom
- Designing of transformer bunds of 3x 132/33kV transformers and their Auxiliary equipment
- MCP of 132kV and 33kV
- Feasibility design of 33kV cables



Swipe

HMF
Engineering and Project Management Consultants

Why HMF Consultants?

Trusted

A proven engineering partner supporting complex grid infrastructure and substation development projects.

Proven

Extensive experience in high-voltage transmission and distribution network design, including grid integration for renewable and energy storage projects.

Power-Focused

Dedicated expertise in electrical engineering, power system studies, and substation design delivery.

Multi-Disciplinary Capability

HMF provides coordinated engineering services across:

* Primary electrical design
* Secondary and protection systems
* Civil and structural integration
* Cable routing and infrastructure design

Our approach ensures safe, compliant, and future-ready grid infrastructure solutions.

www.hmfconsultants.co.uk