

Project Case Study Restoring Skerries Lighthouse



REDS was commissioned to strip out the internal living quarters and prepare for the installation of a new solar array at Skerries Lighthouse in Wales.

The works involved a total strip-out back to bare walls and the installation of a key link handrail along the walkway to the solar panels and the installation of a 50mm stainless-steel duct running from the lighthouse to the solar array, both above and below ground. Excavation was also undertaken to prepare for solar panel bases; however, unsuitable rock and foundation conditions required further design review by the client's engineering team.

Delivering this project required detailed planning and flexibility. Once on the island, there was no opportunity to return to the mainland for additional materials or equipment, so the team had to make the most of what was available.

Every task required coordination to ensure that resources, transport and timing aligned.

All waste was managed to prevent any risk of contamination. Materials were either reused on site where suitable or securely bagged, recorded and flown off the island for appropriate disposal. This approach maintained environmental compliance and protected the surrounding coastal environment.

The project was completed within the agreed timeframe, meeting the client's requirements despite the site's isolation and logistical demands. The works highlight REDS' capability to plan, coordinate and deliver restoration projects in challenging locations while maintaining environmental control and safe working practices.