



Llwynceilyn Wind Access Road

CENdri Case Study



The Challenge

Llwynceilyn Wind is a renewable energy scheme involving the installation of two wind turbines on a hillside in South Wales.

During the early stages of earthworks on the site, it was identified that there were very soft ground conditions with poor California Bearing Ratio (CBR) values.

As a result, this on-site material was unsuitable for use when constructing the site access road, which needed to accommodate vehicles up to 150 tonnes in weight.





Our Solution

Through the application of **CENdri**, our virtually zero-carbon soil stabilisation product, we were able to mix and modify the site won materials to form a structural subbase.

The correct CBR was achieved which then allowed the surface course to be laid and compacted.







This allowed safe and efficient access to and from the site for the wind turbine and its components, some weighing up to 150 tonnes.



Benefits of using CENdri

-  **Dries a wide range of materials**
Enabling improved material handling, compaction and strength gains.
-  **Increased resource efficiency**
By reusing on-site materials that were mixed in situ, heavy vehicle movements were reduced to and from the site saving **cost, time and carbon**.
-  **Cost-Effective**
Decreased both imported material consumption and waste disposal costs.
-  **Enhanced Productivity**
Minimised any weather-related delays and accelerated the project timeline by allowing machinery to access site in all weathers.
-  **Environmental Benefits**
When compared to traditional lime/cement construction methods, we drastically reduced the project's carbon account.



Find out more

CENdri is manufactured at our award-winning production plant in South Wales, powered solely by our own on-site renewable energy sources.

CENdri can be supplied in 2-tonne jumbo bags or delivered via bulk tankers to larger projects nationwide.

Get in Touch



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