

# CASE STUDY

## CARRAIG GHEAL PHASE 2

(VERDYOL BIOTIC EARTH)

### Project Background

To allow the construction of the Carraig Gheal wind farm, upgrading the existing tracks across the site was required and in some cases new access roads had to be constructed.

### Challenges

Due to the nature of the project it was not feasible to import the required topsoil to dress the exposed stone that made up the roadside verges and batters, so an alternative way to establish new vegetation onto the barren  $\geq 40^\circ$  slopes was needed.

### Solution

Applying Verdyol Biotic Earth, we were able to add the much needed organic matter to the crushed stone required to support the establishment of new vegetation.

Once applied, the areas were then hydroseeded using a specialist seed mixture that would cope with the harsh ground conditions and a high performance hydromulch to protect the treated area from erosion and retain moisture.



### Outcome

By working closely with the Environmental Management Team we were able to ensure their expectations were met and non contaminations of surrounding land or water was successfully achieved.

Within one month new vegetation on the previously barren areas was establishing, This has continued, the slopes are now fully vegetated, blending seamlessly into to Scottish Highlands.

### About Verdyol Biotic Earth Soil Amendment

Verdyol Biotic Earth is a soil amendment designed to improve the rate of seed germination and plant growth on areas with poor soils or where little to no soil is present, eliminating the need for importing expensive topsoil. Applied first, it is then hydroseeded on top of to aid moisture retention and prevent erosion.



#### Location

West Argyll,  
Scotland



#### Product

Hydroseeding and  
Verdyol Biotic Earth



#### Area size

4,000m<sup>2</sup>



#### Client

GreenPower



#### Architects

In House