

Bagmoor Wind Farm

Client	Bagmoor Wind Farm
Contractor	McNicholas Construction Services
Area	30,400m ²

In brief

CMS specified Combigrid to reinforce site access roads during the installation of eight new turbines at Bagmoor Wind Farm in Normanby, near Scunthorpe. CMS designed the integrated geogrid and geotextile system to deliver high performance and cost-effective ground reinforcement for contractors, McNicholas Construction.

Project scope

The transportation of heavy turbines to Bagmoor Wind Farm meant that site access roads had to withstand maximum weighted vehicles. As such, contractor, McNicholas, was tasked with sourcing an appropriate reinforcement solution that would account for the reported variance in ground conditions on-site and prevent filtration of underlying material.

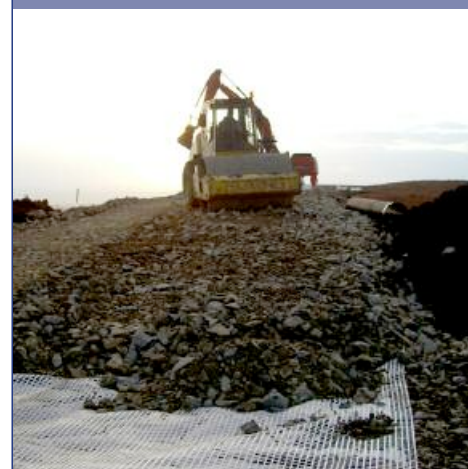
Having worked with CMS Specialist Geotechnical Solutions on a previous wind farm project, McNicholas briefed the CMS technical team on Bagmoor's specific ground requirements. CMS identified that an integrated system would be the most cost-effective and time-efficient solution, and specified the use of Combigrid. As a single construction, Combigrid minimised the storage and material handling costs, and significantly reduced installation time.

Part of the CMS Secugrid range, Combigrid effectively combines 30/30 geogrid with Secutex, non-woven geotextiles, which are heat-bonded together between the lateral and longitudinal grid elements. While the geogrid delivered accurate reinforcement to the road surface, the geotextile layer acted as a separator to prevent stone and gravel loss.

Providing ongoing technical support, CMS continually monitored site conditions and recommended an additional layer of Combigrid be installed in specific soft spot areas, guaranteeing the delivery of maximum reinforcement.



Combigrid was specified to reinforce access roads and facilitate the transportation of heavy turbines to Bagmoor Wind Farm



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