

Sample Photomontage for a PPI platform with GE12MW Halidade Turbine - Distance 45km

Photomontage View

Studies suggest that turbines will be difficult to discern at this distance. They may only be visible in exceptionally clear weather and with concentrated viewing.



4 x 2 Array @ 45km

This is a planar panorama with an included angle of view of 50°. It is presented with a 75mm equivalent focal length. It has been captured and presented in accordance with the latest guidance from the Scottish Natural Heritage. To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

This image is a generic coastal shot captured by Macro Works. It has been used to demonstrate the potential visibility of this specific turbine & platform combination from a range of distances from the shore. For the purpose of demonstrating worst case scenario the conditions for visibility are assumed to be exceptional.

Camera Type and Lens: Full Frame Sensor SLR with 50mm Fixed Lens
 Camera Height: 1.7m AGL / 2.5m ASL
 Image Compilation: 50° AOV cropped from 360° Panorama

Turbine Tip Height: 240m
 Turbine Hub Height: 132m

Camera Height Above Sea Level: 2.5m
 Distance to Horizon Line: 5.6km (approx)
 Height of Turbine Hidden by Earth Curvature @ 45km: 103m (with refraction)

