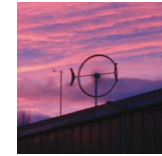


Case Study: Scottish Seabird Centre



SWIFTTM
Wind Energy System

The Site:

The Scottish Seabird Centre is an award winning five star wildlife visitor attraction providing information about the local bird species and remote camera viewing to nest sites on the local Bass Rock. The centre is perched on a rocky outcrop at North Berwick Harbour, overlooking the islands of the Firth of Forth and sandy beaches of East Lothian.

The Scottish Seabird Centre is a key site for the SwiftTM Team as preproduction research and development site providing valuable monitoring data to our engineers.



Wind Conditions:

The prevailing wind for the site is from the south west. In 2007/8 an average annual wind speed of 5.1m/s was recorded.

As a part of its national "Location, location, location" study into rooftop mounted wind turbines, an independent government body - the Energy Savings Trust - monitored the site through 2008/09. It measured a production of 975kWhrs at an average annual wind speed of 3.9m/s, meaning that SwiftTM resoundingly out-performed all other building mounted turbines in the trial.

Mounting:

The SwiftTM is mounted directly above the main office, and staff work below the system undisturbed by noise.

Energy Use:

The energy generated by the SwiftTM is used to supplement the electricity used administration department of the centre.

