



CASE STUDY 5kW Wind Turbine

PROJECT

Installation of an Iskra 5kW turbine at Kingspan's Energi Centre in Holywell, Wales.

"At Holywell Kingspan have invested in the latest technology to enhance the environmental sustainability of the centre." Kingspan Group



DETAILS

The Energi Centre is Kingspan's facility for training, seminars and demonstrations of technique and innovation. The new building had to demonstrate energy efficiency and environmental sustainability with careful consideration to renewable energy sources. After consultation with Segen, Kingspan chose the Iskra 5kW turbine to generate electricity from the Centre, to be fed directly into the National Grid.

Working as a sub-contractor for Adonis Construction, the main contractor for the build, Segen was responsible for design, installation and full commissioning of the turbine on a 12m, free standing tower. As sub contractors, Segen provided a method statement and risk assessment to comply with industry standard.

The project was completed in three days, in time for the official opening of the new visitor centre. Segen also arranged for the tower to be painted to meet Kingspan's requirements and now provide ongoing serving and maintenance services.

Rob Such, Segen operations director said: "The Energi Centre is a forum for innovation in the construction industry. We were delighted to be chosen to supply the wind technology for the new building enabling Segen to provide an effective renewable energy solution for a highly prestigious project."



Technology	Iskra AT5-1 Wind Turbine
Installation Size	5kW
Tower Size	12m
Forecasted Electricity Generation	6 MWh
Type of Project	Commercial
Commissioning Date	July 2007
Forecast CO2 Saving / Year	2,600 Kg

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