



Environmental Sustainability Case Study

Rev Project Objective

As part of our commitment to foster the environmental, social and economic well-being of the sector and local community, the REV Project will look to ensure all aspects of project delivery will embrace the principles of environmental priorities and sustainable development.

REV encourages & promotes environmental sustainability!

The Requirement

In order to support the delivery of the regional drive for low carbon economic growth a single point of co-ordination for environmental sustainability issues to the advanced engineering and motorsport sector was required.

The Solution

The Rev Project encouraged and supported the sector to develop and implement environmental policies by organising and coordinating events with an environmental focus. The Rev Project also offered the Rev Business Grant product to sector companies that embraced environmental principles and technologies.

One of business that benefited from the grant was Composite Mouldings & Design who have developed a method of moulding wind turbine blades and assemblies and now manufactures the "Swift Rooftop Wind Energy System" which is the world's first specifically designed rooftop wind turbine.



These turbines which produce electricity for homes and businesses can generate up to 2000 Kwh and save up to 1.2 tones of CO2 annually.

In order to cope with the huge demand for the wind turbine Composite Mouldings & Design needed financial assistance to increase productivity. A Rev grant enabled them to purchase some of the new injection moulding equipment required to start to mass produce the turbine.

The Result

The investment of a new resin injection machine once installed will result in an increase in production by 400%.

Various international agencies have expressed an interest and 40 turbines are currently being produced for trials in South Australia.

Potential international distribution channels are currently being explored and the "Swift" has been exhibited at the American Wind Energy Association's Wind Power Conference in Pittsburgh & the Energy Conference in Aberdeen.

The Rev Business Grant also enabled Composite Mouldings and Design to exhibit a turbine at the JEC International Composite Exhibition in Paris. This resulted in enquires for composites around the world including two other renewable energy companies.