

Wood Dust

The Problem

There has been a significant increase in the production of electricity from biomass sources in recent years, driven by national renewable energy targets & consequent commercial incentives. Around one million tonnes of wood is converted to energy UK annually, much of this in the form of pellets imported from the USA, Canada and Europe, sourced from forestry residues. Unfortunately, transporting these pellets creates significant volumes of fine wood dust which presents an explosion risk. Moreover, water cannot be used to suppress the dust as this would destroy the remaining pellets. A major energy company approached Link2Energy for assistance in finding outlets for around 10,000 tonnes of wood dust.

The Solution

Having clarified the non-waste status of the material with the Environment Agency, Link2Energy set about finding appropriate outlets for this powder by sending samples out to organisations with potential interest. Some companies were able to use it for energy purposes, others would incorporate it into bio-plastic composite materials. One company was able to take the powder and feed into their own pellet-production process, offering a truly Circular Economy solution. The outcome was a comprehensive report complete with all relevant contact details and market feedback, allowing the client to approach outlets with a greater sense of confidence.

re:sourcing UK

Resource Innovation Case Study

Re:Sourcing UK is a practical service delivered by Link2Energy Ltd. At the forefront of developing creative solutions for companies with bulk industrial waste, Re:Sourcing UK solves problems through the application of Industrial Symbiosis and Resource Innovation.



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