



## Lindhurst Engineering: An Innovative Success

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**Lindhurst Engineering has over 25 years' experience in the engineering industry with a mission to be regarded as the most professional, dependable and innovative engineering company in their field. They are also industry champions, leaders in innovation and passionate about skills development.**

A successful engineering company operating in Ashfield since 1985, Lindhurst was initially established to provide innovative solutions to the UK mining market but it had to adapt its business model with the decline of UK coal mining in the 1980s. Successfully evolving many times since its inception, Lindhurst continues to develop. Lindhurst's first major diversification was into the field of pre-stressed concrete production equipment. From there the company has adapted and diversified to take on a wide variety of challenging projects and considerably expanded its range of services and products.

Amongst the company's flagship projects are the design and build of the electro-hydraulic motion systems for the central show in the Millennium Dome in 1999 (the largest moving stage ever built) and a project for Rolls Royce in 2004 to modify and upgrade equipment used to cyclically test the A380 Airbus engines' on-board hydraulics.





Throughout the company's history Lindhurst has gone from strength to strength, gaining broad multi-market experience and extending its portfolio to include a wide range of mechanical and electrical services. Always looking to the future, the spirit of innovation lies at the very heart of the company, enabling them not only to take on a totally diverse range of projects but also driving them to continuously and actively seek out new challenges.

Lindhurst Engineering has also benefited from the area's academic expertise, working closely with the University of Nottingham on a Knowledge Transfer Partnership (KTP). Working in partnership the company and university developed an innovative way to convert farm waste into energy. Through close collaboration with a post-doctoral graduate the company developed a new microbial fuel cell (MFC), which could convert farm effluent and dairy by-products into electricity and bio-gas. This partnership not only enabled Lindhurst to develop a microbial fuel cell to be sold as a commercial product but the project also helped the University to develop market-leading academic expertise in microbial fuel cell research.

Martin Rigley, Managing Director at Lindhurst Engineering, commented: "The University's support was invaluable. They came up with the design for the commercial plant and are now developing a working industrial scale prototype. The results are very promising and we anticipate that within 18 months we will have a product that we can offer to the market. We would heartily recommend working with a university through a Knowledge Transfer Partnership (KTP) or other means to all companies looking to investigate complex projects in Ashfield & Mansfield"

Martin added: "As an important local employer within the engineering sector, we were really keen to be involved with Invest Ashfield & Mansfield. To this end I volunteered to be a mentor for the Business Start-up event in April. I am also really eager to speak to like-minded individuals and companies, share our own success stories and help to promote Ashfield & Mansfield through the Invest Ashfield & Mansfield AMbassadors' programme."

### **Want to find out more?**

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