



Accessing environmental testing facilities

Environmental technology



10 in 5
efficiency innovation



CASE STUDY 32

Environmental technology

London-based company 10 in 5 Limited linked with academics from UCL via an LTN event, who then provided vital testing facilities for their innovative product. The result? The company saves £50,000 and gains access to expert knowledge, practical know-how and motivated students: a vital boost for the fledgling company.

10 in 5 Ltd is a UK company dedicated to building energy efficient ventilation systems for homes. The company's ReGen Ventilator is a unique ventilator which uses the natural flow of wind to provide fresh air in the home while recycling heat normally lost.

10 in 5 Ltd is one of hundreds of companies in the UK's Greater South-East supported by LTN – a project funded by the London Development Agency to help businesses advance their innovative products by linking them with the region's research base.

Director Thor Hendrickson attended the LTN networking event on energy efficient homes, and presented his prototype seeking a testing facility, making a vital connection.

“It would have been very unlikely for me to have found these researchers in a more standard way.”

“We were looking for wind tunnel facilities to test the product, and in my experience prior to LTN we found lots of partners who were willing to help – but they charged £50,000,” Hendrickson said.

10 in 5 Ltd's technology poster caught the eye of Dr. Julia Stegemann, an LTN Business Fellow from University College London. The project details were then circulated to Dr Tristan Robinson, lecturer in Fluid Mechanics at UCL, who granted Hendrickson access to the wind tunnel at UCL.

Hendrickson explains: “It would have been very unlikely for me to have found these researchers in a more standard way, and also, UCL researchers were more open to collaborative work.”

Dr Robinson said the project feeds into ongoing research at UCL, citing the institution's EngD Centre in Urban Sustainability and Resilience, and plans to publish the outcomes in scientific journals.

The work is continuing, with a test system now in place on a building in London. For Hendrickson, the prolonged access to the wind tunnel and enthusiastic experts has given the company “more flexibility to try different things.” Hendrickson is confident the ReGen Ventilator will be the future of energy efficiency in the UK – given its positioning: atop and within the many unused chimneys on British homes.

For more information on LTN and how we can help your organisation contact:

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