



## RA Tech UK Ltd

Time 2 Innovate is a pilot scheme within the Institute for Innovation in Sustainable Engineering which aims to support SME's in the D2N2 area. The Institute, which is part of the University of Derby works closely with businesses in the D2N2 area to stimulate them to innovate by providing them with access to some of the latest technologies and providing technical support for them to scope out new ideas and possibilities for their business in a *risk free* environment.

RA Tech UK Ltd has devised and invented (patent pending) a product that will overcome the challenge of connecting an Unvented Hot Water Heater pressure/temperature relief valve directly to a foul waste or soil pipe and used a £1500 Innovation Voucher to explore the manufacture of one part of their innovative design using advanced CNC machining and to explore how manufacture of the whole product impacts on product performance.

Russell Armstrong, Managing Director, stated that:

*"The innovation voucher has given us the ability to explore differing configurations of a component, via the CNC manufacturing process, to enable us to quickly arrive at an optimum design. This has then enabled us to go forward confidently with the ordering of the mass production components knowing they will be right!"*

### **Expertise or technology accessed via Time 2 Innovate**

- Advanced CNC machining
- Manufacturing process advice

### **Anticipated company benefits**

- Reduce the risk of first batch production.

### **Expected outputs from the Time 2 Innovate Experience**

- Enable first batch production





## About IISE

The Institute for Innovation in Sustainable Engineering, at the University of Derby, has been established to support advanced manufacturing within the region with a focus on innovation, research and development, knowledge transfer and commercialisation activity. Areas of specialisms include:

- Advanced manufacturing strategy and systems
- Sustainable design and innovation in products and manufacturing processes
- Sustainable rail transport infrastructure
- Energy and the environment
- Embedded systems to optimise process reliability and performance
- Control and instrumentation for products and processes.

IISE's specialist facilities at Lonsdale House, Derby include:

- Advanced Manufacturing, including CNC and additive layer capability
- Rapid Product Development and CAD facilities
- Reverse Engineering Lab
- Innovation and Active Learning Lab
- Control and instrumentation facilities
- Specialist measurement

<http://www.derby.ac.uk/research/iise/>

## About RA Tech UK Ltd

Since its launch in January 2014 RA Tech UK has devised and invented (patent pending) a product that will overcome the challenge of connecting an Unvented Hot Water Heater pressure/temperature relief valve directly to a foul waste or soil pipe and solved the issues of having to comply with 7 various water and building regulations, enabling a compliant installation.

