

Simon Redford

Simon Redford is an Engineer with more than thirty years' experience. He holds a first class honours degree in Electro-Mechanical Engineering and a Master's degree in Systems and Control. He is currently focused on development of heating systems including Micro Cogeneration, Industrial CHP and Biomass technologies via his business KinXerG Limited.

In previous roles Simon has developed energy efficiency and renewable energy projects and products for the Electricity Industry and major energy users. He has also been involved in specialist software development for engineering applications and still develops real-time software for control and visualisation of thermodynamic products.

Simon is the principal inventor or co-inventor of a range of patented technologies including innovations in solid fuel stoves, various aspects of thermodynamic machines and voltage control. In addition to commercialising the FHT Stove technology, he is currently developing Organic Rankine Cycle (ORC) products and is assisting other developers with practical implementation and IP development for heating and cooling technologies.

Past posts include Managing Director of Energetix MicroPower (now Flow Products), Group Manager at EA Technology, and various Engineering R&D roles at BBN Systems and Technologies, Intelligent Applications Ltd, Heriot Watt University (staff) and the Royal Aircraft Establishment.

Skills & Expertise

- Heating and Cooling technologies, including Wood Burning Stoves, MicroCHP and Heat Pumps
- Energy Efficiency and Renewable Energy Product Developments
- Due Diligence Studies
- Control Systems
- Data Analysis
- Systems Modelling

Experience

Director at FHT Stoves & New Ventures

February 2016 - Present

Concentrating on getting the FHT Stove out as a product and putting together a new Organic Rankine Cycle product for automotive and marine applications.

Innovator at FHT Stoves

January 2009 - Present

FHT Stoves is a trading name of KinXerG Limited and covers all product development related to wood burning and multi-fuel stoves. See www.FHTStoves.com

Consulting to Flow Products Limited

August 2013 - January 2016

Helping Flow Products take the innovative ORC, wall-hung, MicroCHP boiler into production. This product started life as the Energetix MicroPower boiler – see below.

Director at KinXerG Limited

January 2007 - Present

Simon's company provides consultancy services to help developers, specifiers and users of energy efficiency and renewable technologies. These include 'turnkey' services to help transition concepts from the 'back of the envelope' to 'proof of concept' and analysis services to identify the true value of new technologies. The company also develops energy efficiency and renewable energy technologies, particularly related to heating and cooling systems. See FHT Stoves above.

Developer & Director, Energetix MicroPower at Energetix Group

2002 – 2006

Energetix Group was formed to develop new and sustainable energy products. Energetix MicroPower was the first stage of development of the Organic Rankine Cycle wall-hung, domestic micro-cogeneration product, now the Flow Boiler, part of Flow Group. During some of this period Simon was seconded to Baxi Boilers.

Group Manager at EA Technology

1990 – 2002

EA Technology transitioned from being a laboratory of the nationalised Electricity Industry to a provider of services and products for electricity suppliers, distributors and their customers over this period. Simon's group pioneered Energy Efficiency, Demand-Side Management, Micro CHP and Energy Services, and successfully diversified the customer base to include many major energy users including the retail sector.

Education

University of Manchester Institute of Science and Technology (UMIST)

MSc, Systems & Control, *1983 – 1984*, Howard Rosenbrock Medal

University of Wales, Swansea

BSc, Electro-Mechanical Engineering, *1979 – 1983*, First Class Honours

18 month period spent at the Royal Aircraft Farnborough during degree

Patents

FHT Stove patent granted and in force in 18 countries. Follow Espacenet search of EP2382422 for links to all European, New Zealand, Canada and US patents. See also additional UK patent grant GB2497029. All rights assigned to KinXerG Limited.

Joint inventor named on five patents for thermodynamic processes and voltage control. Several in force in multiple territories worldwide.

Contact & Company

simon.redford@FHTStoves.com

01352-741-268

07766-275-855

www.FHTStoves.com

KinXerG Limited, Registered in England and Wales, Company Number 06046750

VAT Registration Number GB 899 7126 53

www.KinXerG.com