

## Highlights

Kings Award for Innovation 2023 winners, Susan (COO) is the Deloitte Number 1 Business Person of Scotland, 2022 Women in Leadership.

Collaborate with the academic sector in terms of both developing and testing materials, and in supporting and employing PhD and masters students.

Research in developing and harnessing the power of phase-change materials (PCMs) for the storage of thermal energy.

The product has been fully commercialised and is selling internationally.

Providing units to social housing providers in new build and retrofit projects with distribution network collaboration and feedback.



# Sunamp

Sunamp, based in Tranent, designs, and manufactures thermal storage batteries using phase-change materials. They have developed a multi sector product which can be used for various hot water, space heating and cooling purposes.

Sunamp's commitment to sustainability is clearly outlined in their bold and ambitious mission statement: "to transform how heat is generated, stored and used to tackle climate change and safeguard our planet for future generations."

Sunamp are world leaders in developing and harnessing the power of phase change materials (PCMs) for the storage of thermal energy. These developments in PCMs have the potential for transforming energy storage. Sunamp are leading the research from a base in Scotland. As a business they put significant resource into collaboration with the academic sector in terms of both developing & testing materials and in supporting & employing PhD and master's students.

### Category description: Product Scotland

The Product Scotland Award recognises businesses that have developed a product that delivers significant environmental and business benefits. At the time of application, the product must have been developed and already in the marketplace.

With a focus on customer satisfaction and sustainability, Sunamp's products bring numerous benefits to users, both in terms of financial savings and improved health and well-being. By using phase change materials (PCM), Sunamp products allow users to convert excess renewable electricity into heat can and use PCMs as a short-term heat source.

Sunamp's users see significant cost savings compared to conventional electric boilers, resulting in a financial savings based on the UK household average hot water consumption and electricity cost as well as the associated savings of greenhouse gas emissions where these systems replace electric or combi-boilers. Sustainability is built into the unit which require little maintenance and are expected to have a 25+ year lifespan.

Highlights and headlines: 21,000 units sold to date, production capacity of 22,000 from its Scotland based facility. Offices in Switzerland and America. Recognised by the Queen's Award for Enterprise in Innovation and in 2023 the Kings award for innovation 2023.



Quote from the company:

***“We are delighted to win such a prestigious environmental award. It is a great recognition for the hard work and innovation by everyone at Business name Sunamp to ensure that our product is at the forefront of the sector, delivering environmental and social benefits while bringing economic success.”***

Susan Lang Bissell, Chief Operating Officer, Sunamp