

A power of Good.

Ahead of its time when it started, SIRUS is now being recognised for the high level of innovation it brings to building energy solutions.

WHEN building energy solutions provider Sirius began business 25 years ago it was ahead of the curve in many respects. At the time there was little societal acceptance of the need to use energy wisely and minimise the global warming impact.

As the 21st century got under way a growing emphasis was placed on the environment, and Sirius was positioned to take the lead in the market. With the recession has come an increased recognition that energy solutions impact the bottom line. Throughout this period, however, Sirius's core principles of energy management and optimising the use of energy within buildings has not changed.

Today, it is generally accepted that 40pc of energy consumption worldwide is used within buildings. Fortunately, we now have much better tools and technology to tackle this important issue, and Sirius is helping to develop valuable solutions. The Sirius team of 25 employees brings a considerable resource of experience, and includes an energy physicist, energy engineers, a quality engineer and software programmers, together with its HVAC commissioning and service team.

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PATENT

Innovation remains at the heart of what Sirius does. It recently secured a worldwide patent on a system that uses a turbo expander and heat pump technology to recover energy from the natural gas distribution system.

“This energy is estimated to have the potential to recover between 3pc and 5pc of all the natural gas used worldwide,” says Frank Caul, director at Sirius. “We are currently working with a large multinational to build a pilot plant expected to go live later this year,” he adds.

The invention won the Sustainable Energy Authority of Ireland (SEAI) energy product section at the 2012 energy show.

“On a daily basis our engineers are writing innovative software for client companies to create and monitor conditions in clean environments for the manufacture of everything from pharmaceutical products to medical devices, electronics, data centres etc.”

In 2013, the firm won the SEAI small business energy award for innovation on a large retail store in Cork.

Last year, Sirius signed a distribution agreement with Smardt Chiller Group to market and support its new energy efficient technology in Ireland. Smardt chillers are manufactured using the Danfoss Turbocor oil-free compressor, which is up to 30pc more energy efficient than conventional chillers.

Amidst the innovation, Sirius has also been expanding. In 2013, it opened its first overseas office in London to bring building energy solutions to the UK market. Caul is optimistic for the future.

“Our strength is in our people, their commitment to Sirius and, by extension, our customers. This is a source of great pride and reassurance to the continued success and future of this company,” he says.



Martin Keogh, sales executive and Frank Caul, managing director with Sirius