

PRESS RELEASE

New White Paper reveals how microturbine technology is turning pressure reduction into electrical energy savings

Spirax Sarco's new White Paper explains how microturbine technology can deliver substantial electrical energy savings for steam system operators.

The White Paper provides a clear and easy-to-understand guide to this technology and highlights the cost and energy savings that steam system operators can expect to achieve by using microturbines.

Most steam systems raise higher pressure steam in the boiler, then reduce the pressure before the point-of-use. Conventionally, the higher pressure steam from the boiler is lowered to a working pressure by using a pressure reducing station, comprising of a valve and associated controls and ancillaries.

By using a microturbine, the steam is reduced to the required pressure as it travels through the turbine, with the energy released by the pressure drop being used to generate electricity. The electricity produced can be used locally, for example to run pumps or other equipment, or exported to the power grid, cutting utility bills and overall carbon footprint. The savings that can be achieved are considerable - a steam microturbine producing 300 kW of electrical power can generate typical cost savings of over £150,000 per year.

The paper will be of interest to industries that have the potential for using microturbine technology – including food and drink, chemical processing, pharmaceutical, healthcare and any facility with a steam baseload.

A copy of the free White Paper can be downloaded from <http://www.spiraxsarco.com/uk/resources/White-Papers.asp>.