

**NEWS
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Babcock Wanson UK Expands Environmental Solutions with DCT Regenerative Oxidisers & Solvent Recovery Systems

Following the acquisition of Donau Carbon Technologies (DCT) by the Babcock Wanson Group in 2022, industrial process heating equipment and solutions specialist Babcock Wanson UK has expanded its range of regenerative oxidisers and is now able to offer complete solvent recovery systems to help reduce customers' carbon foot print and meet increasingly stringent emission limits for solvents and volatile organic compounds (VOC).

DCT solvent recovery systems feature activated carbon adsorption, using steam or inert gas for the regeneration. A distillation section (batch or multi-columns) allows for a very high level of purity – frequently exceeding international standards - for the recovered solvents to then be reused in production, making for a rapid return on investment. These solvent recovery systems are easy to use and, because they are modular, can be expanded and reconfigured to meet changing site requirements. With its compact size, plug and play design, plus easy maintenance, the latest solvent recovery system, the X-CSR, has been specifically designed for printers using smaller solvent quantities (as little as 300 tons/y), extending this valuable technology beyond the traditional, large print plants.

Babcock Wanson UK has been providing oxidisers for many years but with the addition of DCT regenerative and recuperative oxidisers can now meet a wider range of industries and requirements than ever before. DCT regenerative oxidisers enable up to 99% VOC abatement by increasing the polluted air temperature to over 750-800°C with a high efficiency (up to 95%) heat recovery system based on the use of ceramic material; all whilst using minimal energy. DCT regenerative oxidiser capacities range from 3.000 to 300.000 Nm³/h. They boast low maintenance costs and consistency of performance across their life time.

Additional DCT products supported by Babcock Wanson UK include VOC Concentrator Units for the purification of polluted air with low solvent concentration; Catalytic Oxidation to treat waste air or gases; and Scrubber and Filter Treatment Systems for inorganic polluted fumes.

The DCT range has already proven extremely popular in the UK and Babcock Wanson is currently working on a number of high profile projects, including its largest ever oxidation project, with a building materials manufacturer.

The DCT range of oxidisers and solvent recovery systems are one of the latest additions to Babcock Wanson's comprehensive range of products and services for boiler houses and other process heating needs, including firetube boilers, coil type steam generators, thermal fluid heaters, hot water boilers, VOC and odour treatment by thermal oxidation, water treatment and process air heating solutions. The

company aims to not only help optimise customer's energy production but to also be the European leader in environmental solutions for industry.

For more information, please contact Babcock Wanson on 020 8953 7111 or info@babcock-wanson.com or go to www.babcock-wanson.com

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About Babcock Wanson

Babcock Wanson is a leading international actor for the energy transition, supplying equipment and solutions for industrial boiler rooms. With over 100 years of experience, the Group provides tailor-made solutions to reduce energy consumption and environmental impact for its customers.

www.babcock-wanson.com

