



PRESS RELEASE

AQUATECH AMSTERDAM (Paques Hall 11, stand nr 206)

Cleaner paper production in DS Smith Kemsley Paper Mill thanks to 1500th Paques BIOPAQ[®] reactor

Amsterdam, 6 November 2019

Paques is proud to inform that we have installed our 1500th BIOPAQ reactor at the DS Smith Kemsley Paper Mill in the United Kingdom. Paques is the global leader in biological wastewater and gas treatments and has realised more than 3,000 reference installations worldwide of which 1500 are anaerobic BIOPAQ reactors.

In 2018, Paques delivered two BIOPAQ[®]IC anaerobic technology reactors to DS Smith Kemsley Paper Mill in Sittingbourne, UK. The new reactors have reduced the energy consumption and waste disposal arising from wastewater treatment, while capacity allows for increases in paper production. The biogas produced during the purification process is fed into the natural gas grid after desulphurization of the gas by a THIOPAQ[®] reactor and subsequent upgrading. The installation has a daily gas capacity of 24.000 m³.

Kemsley Mill is the UK's largest paper recycling mill, and the second largest in Europe, producing over 800,000 tonnes of paper every year. Kemsley processes recycled paper into new papers for packaging and construction. The mill's sustainability developments, including the on-site anaerobic digestion plant, energy from waste facility, and the preparations for a new CHP plant, support the mill in becoming more energy efficient. This is in line with the DS Smith Group's target to reduce its CO₂ emissions by 30% per tonne of production by 2030.

Sustainability is integral to every aspect of DS Smith's production process. Its 14 days box to box circular model allows for material to be collected, recycled and turned back into new packaging products in a closed loop scenario. Harvesting of clean energy from wastewater treatment adds another dimension to the company's circular approach. "We are happy to see that the biogas plant has rapidly reached full capacity and that DS Smith can now look forward to a robust reactor that produces valuable biogas and biocatalyst." states Stephan Bocken, CEO of Paques.

With 1500 anaerobic reactors worldwide, Paques and its clients treat 11,300 million kg of organic pollution per year, producing 4,950 million m³ of biogas per year. This is comparable with the energy consumption of 7.2 million people per year. Paques contribution to sustainability is the reduction of 11.5 million tonnes of CO₂ per year.

For more information, please visit www.paques.nl or contact: info@paques.nl

Paques Technology bv:

Stephan Bocken
Chief Executive Officer
Tel: +31 514 608 500

Vincent van Vuure
Head of Marketing and Communications
Tel: +31 6 42 70 1005
E-mail: v.vanvuure@paques.nl

About DS Smith



DS Smith is a leading provider of corrugated worldwide, supported by recycling and papermaking operations. Headquartered in London and a member of the FTSE 100, DS Smith focuses on creating innovative sustainable packaging solutions in 37 countries employing around 31,000 people. Using the combined expertise of its divisions – including Packaging, Recycling, Paper – DS Smith works with customers to deliver solutions that reduce complexity and deliver results throughout the supply chain. Its history can be traced back to the box-making businesses started in the 1940s by the Smith family.



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Picture: The new wastewater treatment plant, including biogas treatment, at DS Smith Kemsley Paper Mill in Sittingbourne, UK



About Paques

For more than 40 years, Paques is world's leading company in the field of development and construction of cost-effective purification systems for water, wastewater and gases, based on innovative biotechnology. With over 3,000 reference installations worldwide, Paques has helped companies and municipalities to contribute to one of the major challenges of today: to reduce their water and carbon foot prints and reclaim valuable resources. The biogas produced by the wastewater treatment plants can be used as green energy in boilers or gas engines. Paques' reactor systems are found in a broad range of industries and applications, such as food, pulp and paper, beer and beverages, distilleries and chemical industry.

Besides the headquarters in The Netherlands, Paques has subsidiaries and/or production locations in Russia, China, Brazil, Mexico, Argentina, Colombia, United States of America, India, Malaysia, Thailand and Vietnam. In many other countries, Paques is represented by licensed partners. This ensures local presence and the best service for our clients worldwide.

PAQUES Our contribution to sustainability
With 1500 anaerobic reactors

Organic pollution treated 11300 mil. kg/a	Biogas produced 4950 mil. m ³ /a
Energy consumption of 7.2 million persons	Reduction of CO₂ 11500 mil. kg/a

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Additional information:

Celebration ceremony of Paques 1500th of BIOPAQ® reactor

Rai Amsterdam / Aquatech Amsterdam 2019

Wednesday 6 November, 1500 hours, PAQUES hall 11, stand nr 206