

John Cockerill Environment and Stereau join forces to deploy the BeFlow® AGS process in France

John Cockerill Environment and Stereau have joined forces to offer the French market a unique urban wastewater treatment solution: the BeFlow® AGS process. This strategic partnership between two leading players in the water treatment sector includes the installation of an industrial demonstration facility at a wastewater treatment plant in the Paris region, and lays the foundations for an exclusive licensing agreement for the French market.

This Aerobic Granular Sludge technology developed by John Cockerill Environment is characterized by continuous flow effluent treatment in very compact structures. In order to meet the major challenges facing the wastewater treatment plants of the future, i.e. reducing their footprint and increasing their treatment capacity, BeFlow® AGS is designed for easy integration into the vast majority of existing water treatment plants, for example in the case of capacity extensions. The process can also be used for the construction of new plants.

BeFlow® AGS is based on the formation of dense, compact granular biomass. The high biomass concentrations in the biological reactors and the rapid settling of the granules make it possible to considerably reduce the size of treatment works, while increasing the treatment capacity of existing plants. Thanks to its ability to handle high flows in wet weather and its continuous flow design, the BeFlow® AGS process is particularly well suited to modernizing and extending existing treatment plants, while overcoming the limitations of other granulation processes.

BeFlow® AGS offers municipal or industrial operators excellent treatment performance in reduced civil engineering works, generating significant investment savings. Thanks to its ability to handle high flows in wet weather and its continuous flow design, the BeFlow® AGS process is particularly well-suited to the modernization and expansion of existing treatment plants, while overcoming the limitations of other granulation processes. BeFlow® AGS offers municipal or industrial operators excellent treatment performance in reduced civil engineering works, generating significant investment savings.

With BeFlow® AGS, John Cockerill and Stereau contribute to the preservation of natural resources and position themselves as solution providers for an eco-responsible future, based on wastewater treatment that is high-performance, compact, economical, energy-efficient and 100% biological.

Alain Desvignes, Head of John Cockerill Environment's Water Business Line said: *"We are proud of this partnership with Stereau, a major player in water treatment in France, to deploy our BeFlow® AGS technology, which offers a number of advantages over current biological purification treatments: advanced treatment performance with fewer reagents, remarkable compactness of structures and great flexibility of implementation, both on existing and new plants.*

Gilles Renaud, Stereau General Manager: *We are convinced of the technological added value of BeFlow® AGS and its potential in the French urban wastewater treatment market. It was therefore natural for us to join forces with John Cockerill Environment to market this sustainable and economically viable solution in France. Following the eloquent results of the pilot project in Namur, Belgium, we are convinced that Stereau's trials in the Paris region will further enhance the process' performance.*

About John Cockerill Environment: As part of the international John Cockerill Group, the Environment Business Line places its historical experience, solid technological know-how and innovations in water, air and waste treatment at the disposal of its industrial and municipal customers. The Water Business Line offers solutions for wastewater treatment, drinking and process water production, REUT, biomethanization and methanation. The Air & Gas Business Line provides solutions for air pollution control, odor treatment and solvent recovery. The Solids & Waste Business Line transforms waste into renewable energy sources or substitute materials through thermal conversion in its Multi-Fireplace Furnaces (MHF). With its technological solutions, John Cockerill Environment supports the ecological transition and the circular economy. Because protecting natural resources and producing green energy are vital for us and for future generations.

About Stereau: Stereau, a Saur group company dedicated to water treatment engineering, designs and builds the full range of water treatment facilities: drinking water and wastewater treatment plants for local authorities. From water production to wastewater treatment and resource recovery, Stereau meets the highest standards of quality, performance, operability, and environmental responsibility. Guided by its purpose: to give water the value it deserves, Stereau innovates to fight new forms of pollution, save water and energy, and transform effluent into new resources. With nearly 2,500 wastewater treatment plants designed and built in France and abroad, the company stands out for its innovative technological choices and exemplary project execution.

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