

Press release

Solvay and SUEZ form an Alliance to offer new solutions for the treatment of waste water in Greater China

Brussels, April 11th, 2017 --- Solvay's Peroxides Global Business Unit and SUEZ China have decided to combine their expertise and technologies in the industrial wastewater treatment market in order to provide a broad "one-stop" solution to customers in Greater China.

An Alliance has been formed between the parties to provide innovative wastewater treatment solutions based on Advanced Oxidation Processes (AOP) technologies, including systems such as Ozone/Hydrogen Peroxide and UV/Hydrogen Peroxide. These AOP technologies are effective for a broad spectrum of molecules, particularly for effluents containing Hard COD, and provide sustainable, environmental-friendly solutions as they neither transfer pollutants from one phase to the other, nor produce large amounts of hazardous sludge.

The unique advantage of the Alliance is its ability to deliver a tailor made treatment models to meet the demands of its customers ranging from full treatment service through to process design and installation. The R&D centers of both companies in China and Zurich provide the necessary technical support which is supplemented by pilot plant equipment allowing on-site trails to optimise both efficiency and cost of treatment for the specific effluents at its customers.

"We create more value for our customers," says Andrew CUMMING, the Asia pacific President of Solvay Peroxides GBU "as together we can optimise the water treatment solutions by identifying each customer's needs and offer a full service package from providing water sample feasibility studies in our Shanghai based research lab to implementing an on-site trial with dedicated and state of the art piloting systems".

"This Alliance allows both SUEZ and Solvay to combine respective technical and business strengths to develop the wastewater treatment solutions adapted to the tighter Chinese regulations," says Steve Clark, the CEO of SUEZ Asia. "We believe that our joint technologies and the innovative business model we offer together will represent a flexible and cost effective solution for hard COD wastewater treatment in all industrials."

The Alliance is already operational with a growing number of customers in Greater China. It is foreseen that the scope of the Alliance could be extended within Asia and beyond as the need for sustainable solutions to the effective treatment of wastewater effluent is growing strongly around the world.

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SOLVAY PEROXIDES Global Business Unit is a worldwide market and technology leader in Hydrogen Peroxide. Providing functional qualities such as bleaching, oxidation or disinfection, it delivers innovative products and tailored services to the pulp, chemicals, aquaculture, food, mining, waste water treatment, home care and textile industries. SOLVAY PEROXIDES operates 18 plants in North and South America, Europe & Middle East, Asia and Australia. It runs the world's biggest Hydrogen Peroxide plant in Map Ta Phut (Thailand). With its JV partner Peróxidos do Brasil, Solvay Peroxides is developing a new plant concept, myH2O2®, especially designed for installation at customer sites in remote locations. Innovation capacity and agility are two of GBU Peroxides' strengths.

SOLVAY is a multi-specialty chemical company, committed to developing chemistry that addresses key societal challenges. Solvay innovates and partners with customers in diverse global end markets. Its products and solutions are used in planes, cars, smart and medical devices, batteries, in mineral and oil extraction, among many other applications promoting sustainability. Its lightweighting materials enhance cleaner mobility, its formulations optimize the use of resources and its performance chemicals improve air and water quality. Solvay is headquartered in Brussels with around 27,000 employees in 58 countries. Pro forma net sales were € 10.9 billion in 2016, with 90% from activities where Solvay ranks among the world's top 3 leaders. Solvay SA ([SOLB.BE](#)) is listed on Euronext Brussels and Paris (Bloomberg: [SOLB.BB](#) - Reuters: [SOLB.BR](#)) and in the United States its shares (SOLVY) are traded through a level-1 ADR program.

SUEZ

We are at the dawn of the resource revolution. In a world facing high demographic growth, runaway urbanisation and the shortage of natural resources, securing, optimising and renewing resources is essential to our future. SUEZ (Paris: SEV, Brussels: SEVB) supplies drinking water to 92 million people, delivers waste water treatment services to 65 million, collects waste produced by almost 50 million, recovers 16 million tons of waste each year and produces 7 TWh of local and renewable energy. With 82,536 employees, SUEZ, which is present on all five continents, is a key player in the sustainable management of resources. SUEZ generated total revenues of €15.3 billion in 2016.

SUEZ is one of the leaders in the world for manufacturing and supply of ozone generators and systems through the Ozonia® product range. Ozone is commonly used in China in disinfection of drinking water and numerous other industrial applications such as wastewater treatment (removal of Hard COD and color), paper pulp bleaching, ultrapure water and ballast water treatment and so forth. SUEZ ozone generators (Ozonia® S, M and L range) use proprietary patented technologies such as "Intelligent Gap System (IGS)" for very robust ceramic dielectrics while providing the lowest energy consumption in the market, "I Stack" for multi-stage high availability power supply and a unique individual fuse arrangement bringing safety and ease of maintenance.

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