

press release

China, 7 February 2017

SUEZ Won The Group's Largest Wetland Reconstruction Project in China

SUEZ won a contract of conception and design for Shanghai Chemical Industrial Park ("SCIP") Eco-Wetland Reconstruction project. It is the first wetland project that SUEZ wins in Asia and also the biggest wetland project in the Group applying SUEZ 'Zone Libellule' concept, utilizing a constructed wetland to treat industrial wastewater.

SUEZ will design plans for SCIP, which aims to rehabilitate the existing wetland - Phase I, and design a new constructed wetland - Phase II, so as to improve the treatment of industrial wastewater by the wetland's natural functions. This zone is located downstream of the wastewater treatment plant operated by SUEZ. It is designed not only to achieve the tertiary treatment of effluents, but also includes guarantees for the elimination of pollutants, improving the quality of the water discharged into the environment and allowing for its re-use. With an estimated total investment at around RMB 136 million, the project, which covers around 50 ha, will start with the construction in the middle of 2017, and the zone will be launched in 2018.

Steve Clark, CEO of SUEZ Asia, said, "Developing artificial wetland projects holds special significance to the Group and the environment. This is another testimony of partnership in environmental protection between SUEZ and SCIP. We wish the SCIP artificial wetland project not only helps preserve the local environment but also generates a successful model of water conservation and water cleanup in China."

The design of the SCIP's wetland project draws on feedback from SUEZ's Zone Libellule pilot project as well as insights from the ZHART¹ R&D project (2012–2016). This ecological engineering innovation will help improve the quality of SCIP's treated wastewater, as measured by several industrial effluent pollution parameters: Chemical Oxygen Demand (COD), metals, phosphorus, nitrogen, etc. To meet the challenge of the high salinity of SCIP's wastewater, plants of coastal regions and high salinity tolerance were selected. Through this ecological engineering solution, water treatment capacity will be improved, and a rich biodiversity will develop on the site. The design of the constructed wetland also combines water treatment and landscaping, which makes it both ecological and beautiful, and allows other benefits such as scientific research, eco-education, visit and tourism reception etc. as well. In addition, the wetland is designed on the basis of smart park concept, integrates renewable energy from solar panels and wind turbines, and sponge city design to integrate low carbon, low impact development and smart water environment monitoring into the entire park.

¹ *Zones Humides ARTificielles* ("Artificial Wetlands")



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 wastewater 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 €15.1 billion in 2015.

SUEZ in Asia

SUEZ has been present for over 60 years in South East Asia and 40 years in Greater China in water and waste management. With 9,500 employees and over 60 water and waste projects with local partners, SUEZ is supporting authorities and industries in developing innovative solutions to address climate change and sustainable resource management. The Group built over 420 water and wastewater treatment plants in Asia, supplying drinking water to 20 million people. It operates China's first PPP water contract in Macau and Mainland China's first water concession in Chongqing. It is also the leader of waste management in Hong Kong and delivers its expertise in the management of environmental services to 11 industrial parks in Mainland China. In 2015, SUEZ managed revenues of over €1.2 billion generated by its activities in Asia.

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