

China, 05/12/2018

### **SUEZ NWS Wins Annual “France China Committee” R&D Award for Contribution to China’s Circular Economy**

**After winning the 2017 Special Climate Prize in Innovation Awards for Franco-Chinese Teams, organized by the France China Committee<sup>1</sup>, SUEZ NWS won another prize in 2018: the France China Committee R&D Award, distinguishing its innovative sludge ultra-dry solution Dehydri<sup>TM</sup> Ultra. The solution is regarded as a breakthrough in China’s sludge treatment and disposal industry. It illustrates SUEZ NWS’ commitment to promote a circular economy and significantly contribute to China’s social, economic and environmental wellbeing.**

With increasing urbanization and industrialization, municipal or industrial wastewater streams now come with more concentrated sludge that has high organic and water content. This has become a pressing environmental challenge for manufacturers and cities to resolve. To improve efficiency in treating and recycling sludge in an environment-friendly way, SUEZ NWS has invested significant R&D resources in turning Dehydri<sup>TM</sup> Ultra into a readily applicable industrial technology. The solution was deployed in an industrial-scale pilot project with Handan Municipal Drainage Company Limited, and successfully yielded strong social, economic and environmental benefits.

Dehydri<sup>TM</sup> Ultra is an environment-friendly sludge treatment solution: less CO<sub>2</sub> emissions and very low chemical and energy consumption. This ultra dewatering process can reduce the volume of sludge and produce hygienised biosolid product. It helps raise biogas output from anaerobic digestion and turns sludge into valuable biochar. With a daily treatment capacity of 500 tons of wet sludge, Dehydri<sup>TM</sup> Ultra helps reduce 32,000 MWh of electricity and CO<sub>2</sub> emissions by one-third more than conventional thermal drying, each year. If biochar is co-incinerated in the energy recovery process, it can save 15,000 tons of standard coal per year. Biochar can also be used as a potential soil conditioner for land use that can boost soil fertility and generate carbon sinks, thereby reducing the concentration of greenhouse gases in the atmosphere and contributing to carbon reduction.

A world leader in smart and sustainable resource management, SUEZ owns over 250 sludge treatment projects globally, over 50 of which are in China. In 2008, SUEZ NWS introduced its patented INNODRY<sup>®</sup>2E two-stage sludge drying technology into China and built and now operating four sludge treatment plants in Chongqing, Suzhou and Yangzhou. In early 2018, it brought the Thermylis<sup>TM</sup> solution into Shenzhen’s first centralized sludge incineration and disposal project, the largest to treat sludge with this solution in Mainland China. Thanks to the technology, the Shenzhen project has achieved thorough reduction, stabilization and neutralization of sludge and resource recycling.

The France China Committee gathers French enterprises all very active with China on the long term, working together to develop their business with China. It is an important facilitator of trade and commerce between China and France. Since 2014, it has sponsored the France-China Innovation Awards to recognize excellent original projects between Chinese-French R&D partnerships at universities, research labs, R&D hubs and businesses with significant social, economic, industrial and environmental impact.

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<sup>1</sup> Comité France Chine (CFC)



SUEZ NWS wins the 2018 R&D Award for Franco-Chinese Teams organized by the France China Committee on December 5, 2018

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## **SUEZ**

*With 90,000 people on the five continents, SUEZ is a world leader in smart and sustainable resource management. We provide water and waste management solutions that enable cities and industries optimize their resource management and strengthen their environmental and economic performances, in line with regulatory standards. To meet increasing demands to overcome resource quality and scarcity challenges, SUEZ is fully engaged in the resource revolution. With the full potential of digital technologies and innovative solutions, the Group recovers 17 million tons of waste a year, produces 3.9 million tons of secondary raw materials and 7 TWh of local renewable energy. It also secures water resources, delivering wastewater treatment services to 58 million people and reusing 882 million m<sup>3</sup> of wastewater. SUEZ generated total revenues of 15.9 billion euros in 2017.*

## **NWS Holdings Limited**

*NWS Holdings Limited ("NWS Holdings", Hong Kong stock code: 659) is the infrastructure and service flagship of New World Development Company Limited (Hong Kong stock code: 17). It has diverse businesses and investments predominantly in Hong Kong and Mainland China, comprising toll roads, environmental management, port and logistics facilities, rail container terminals, commercial aircraft leasing, facilities management, healthcare services, construction and public transport. Please visit [www.nws.com.hk](http://www.nws.com.hk) for details.*

***SUEZ NWS Limited***

*SUEZ NWS Limited (“SUEZ NWS”) is a joint venture between SUEZ and NWS Holdings Limited that encompasses our essential business segments – Water Management, Recycling and Waste Recovery and Water Treatment Infrastructure in the Greater China region. With 8,000 employees and over 70 joint ventures with local partners, SUEZ NWS is helping authorities and industries develop innovative solutions to address climate change and sustainable resource management. It has built over 260 water and wastewater treatment plants in Greater China, supplying drinking water to 20 million people. It is a leading operator of waste management in Hong Kong and delivers its expertise in the management of environmental services to 12 industrial parks in Mainland China.*

***Handan Municipal Drainage Company Limited***

*Founded in 1999, Handan Municipal Drainage Company Limited is a state-owned enterprise under the Handan Bureau of City Management and Comprehensive Administrative Enforcement. Its business scope includes the operation and management of rainwater and wastewater sewer networks and pump stations in the city of Handan. It also collects and treats rainwater and wastewater.*

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