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Construction waste recycling in China:

SUEZ, Changshu and Anji join forces to create a joint venture to provide innovative digital solutions in waste recycling

The agreement provides for the creation of a joint venture between SUEZ, Changshu and Anji¹ to operate and maintain a construction waste recycling plant in Anji, located in Zhejiang province, for a period of 20 years. The project, led by Anji, will process approximately 380,000 tons of construction waste per year, while meeting the highest environmental standards. Following SUEZ's successful experience in Changshu, it represents another major national R&D project in the field of construction waste treatment.

The Anji project will mirror the "Changshu model" initiated by SUEZ² in 2018 for the reuse of construction waste into new resources, and will rely on Internet and Internet of Things technologies, customized treatment processes, bespoke equipment, and a smart, digital platform that monitors the entire process of waste collection, transfer, and treatment. The project will also integrate advanced, intelligent sorting facilities to efficiently and precisely treat construction waste, in order to achieve minimum reuse rate of construction waste of 85%. The recycled construction aggregates will be used to produce bricks, curbstone, or road bedding for different purposes; combustible materials will be supplied to waste incineration plants as fuel for power generation. Additionally, metallic materials will be reused directly.

Gu Hongliang, General Manager of Changshu Water Investment and Development Company Limited, said, "To address the pressing construction waste problem at its source, we've entered into a strategic partnership with SUEZ, a pioneer in the environmental industry. Our joint venture relies on SUEZ's advanced managerial expertise in waste treatment. We've also developed a solution adapted to actual conditions in Changshu to maximize resource recycling and facilitate safe, reliable disposal. The 'Changshu Model' has been unanimously endorsed by government officials, customers, and the wider industry. We're pleased to cooperate with Anji and to use SUEZ's advanced technology to leverage our comparative advantage for the benefit of all parties."

Steve Clark, CEO of SUEZ Asia, said: "The Anji project is the result of more than ten years of close collaboration between SUEZ and Changshu, and demonstrates our ongoing commitment to the circular economy. The creation of this joint venture strengthens our partnership with the city of Changshu and underlines our ability to provide a holistic offer in environmental services to support the environmental transition and the resource protection. I'm confident that, together, we'll be able to provide the best environmental solutions for more customers, across a greater number of industries. And that we will support the Chinese government in achieving its ambitious environmental goals."

SUEZ has been working with Changshu since 2006 to provide water services in the city and has since expanded its services to include wastewater treatment, smart water services, industrial wastewater treatment and recycling construction and renovation waste. SUEZ serves about two million households, as well as industrial and commercial customers in Changshu, with a total daily water production capacity of 875,000 m³. The SUEZ facility also has a daily municipal and industrial wastewater treatment capacity of 330,000 m³. In 2021, both parties extended the partnership and won a contract in Shaowu, Fujian Province to operate, manage, and technologically re-engineer industrial wastewater treatment plant.

¹ The new joint venture is established by Changshu SUEZ NWS Environmental Management Company Limited (33%) and Anji Lvjing Environmental Technology Development Co., Ltd. (67%).

² Changshu SUEZ NWS Environmental Management Co, Ltd is a joint venture established in 2018 between SUEZ NWS (35%) and Changshu Water Investment and Development Company Limited (65%).



Aerial view of the planned construction waste disposal project in Anji County, Huzhou City, Zhejiang Province.

Press contact:

SUEZ Asia

Eva LAM

+86 15363767713

eva.lam@suez.com

About SUEZ:

Since the end of the 19th century, SUEZ has built expertise aimed at helping people to constantly improve their quality of life by protecting their health and supporting economic growth. With an active presence on five continents, SUEZ and its 90,000 employees strive to preserve our environment's natural capital: water, soil, and air. SUEZ provides innovative and resilient solutions in water management, waste recovery, site remediation and air treatment, optimising municipalities' and industries' resource management through "smart" cities and improving their environmental and economic performance. The Group delivers sanitation services to 64 million people and produces 7.1 billion m³ of drinking water. SUEZ is also a contributor to economic growth, with more than 200,000 jobs created directly and indirectly on an annual basis, and a provider of new resources, with 4.2 million tonnes of secondary raw materials produced.

About SUEZ Asia:

With a strong presence of 60+ years in South East Asia and 45+ years in Greater China, SUEZ is a preferred partner in helping authorities and industrial clients develop water and waste management solutions that enable cities and industries to optimize their resource management and strengthen their environment and economic performances. With 9,000+ employees and 70+ joint ventures with local partners, the Group has built 600+ water and wastewater plants, with 32+ million people benefiting from our water and waste services. Today, SUEZ is recognized as one of the most influential companies and a service benchmark in leading the region's environmental industry. We operate China's first PPP water contract in Macau, one of Asia's largest hazardous waste treatment facilities in Shanghai, as well as a plastic recycling plant in Thailand. It is also a leader in Hong Kong's waste management industry and delivers environmental services to 23 industrial parks.

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