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SUEZ STRENGTHENS ITS PRESENCE IN INDUSTRY

➤ 9 NEW CONTRACTS SIGNED IN THE MANAGEMENT OF INDUSTRIAL WATER AND WASTE

SUEZ wins 9 contracts in the industrial sector, worth a total amount of c. €120M. The Group will contribute to the sustainable management of waste from the sites of NABC, a Coca-Cola bottler in Morocco, and FUJIFILM, the photographic and imaging world leader, in the Netherlands. The Group will also be responsible for optimising the water cycle for key players in the Oil&Gas, energy, pulp&paper and agri-foods sectors in the United States, Brazil, Qatar and South Korea. These new contracts confirm SUEZ's dynamism on the industrial market, which already accounts for 40% of its revenue.

- **In Morocco, SUEZ wins a new two-year contract for the management of waste from the North Africa Bottling Company (NABC), which bottles Coca-Cola in Morocco.** This contract concerns the management of the industrial waste from NABC's 4 plants serving the centre of the country (Casablanca, Fes, Marrakesh and Nouacer) and from 2 warehouses. This is the 2nd contract that SUEZ has won with Coca Cola Morocco, following the contract for the management of waste from the 2 plants of Atlas Bottling Company, another bottler for Coca-Cola in the country.
- **In the Netherlands, Fujifilm, the photographic and imaging world leader, has joined forces with SUEZ. For 3 years, the Group will collect and manage waste produced at the Tilburg plant,** one of the largest production sites outside of Japan. The teams ensure efficient and sustainable management of various waste streams, including photo paper and aluminium plates used for printing, as well as material recovery. In addition, by relying on an integrated offer, SUEZ has a consulting role in order to optimize the water treatment plant onsite and the treatment of effluents coming from production processes.

Through its Water Technologies & Solutions division, SUEZ has also won seven contracts to optimize the industrial water cycle in the Oil&Gas, energy, pulp&paper and agri-food sectors:

- **In Qatar, SUEZ won the 5-year contract to supply ultrafiltration membranes to treat and recycle the effluents produced by the Pearl Gas-to-Liquids (GTL) complex, located in the Ras Laffan industrial zone in the northeast of the country.** These membranes will equip the 32,500 m³/day effluent treatment plant of the natural gas to liquid hydrocarbons complex operated by Shell and Qatar Petroleum. With a production capacity of 260,000 oil-equivalent barrels per day, Pearl GTL is the world's largest GTL plant. The ZeeWeed 500D membrane technology will ensure the tertiary treatment of the effluents and their recycling into process water for the operation of the Pearl GTL complex, thus preserving water resources in this arid region.
- **In the United States, SUEZ has renewed its contract to operate two water production units in a Midwest refinery.** The refinery processes over 300,000 barrels a day of crude charge, producing a high percentage of transportation fuels,

such as gasoline, diesel and aviation fuels. Originally built and operated by the Group since 2002, the two water units, with a total capacity of 27 250 m³/day or 5,000 gpm will continue to treat well water using membrane filtration to provide boiler feedwater to the refinery, and high purity water for other refinery processes.

- **In South Korea, SUEZ won a contract to implement the Zero Liquid Discharge (ZLD) technology at one of South Korea's largest power plants, located in Goseong, in the southeast of the country.** As SUEZ's first thermal ZLD deployment in South Korea, the system will treat wastewater from flue gas desulphurisation (FGD) units with a capacity of 50 m³ per hour. It will allow the 2,080 megawatt Goseong Green Power Plant to reuse 100% of the wastewater, eliminating all effluent discharges into local waterways, thus protecting the environmentally sensitive coastline nearby.
- **In Brazil, SUEZ is supporting Klabin, the largest Brazilian producer and exporter of paper for packaging, in expanding the industrial capacity of its Ortigueira mill and promote infrastructure improvements of its Telêmaco Borba mill, both located in the State of Paraná.** In consortium with Rio Verde Group, SUEZ won the contract to expand the water production and wastewater treatment facilities at the Ortigueira pulp mill and to build a new boiler feed water plant for the Telêmaco Borba mill in Monte Alegre and other to Puma mill in Ortigueira. SUEZ will equip the water infrastructures with advanced technologies to produce water of sufficient and consistent quality and quantity, thus maximizing production efficiency, in compliance with the environmental standards in force.
- **In the State of Rio de Janeiro, SUEZ was awarded the contract to supply water to the Santa Cruz Thermoelectric Power Plant.** The client, a major Brazilian electric utilities company, aims to increase the power plant's energy production while minimizing its environmental footprint. SUEZ will deploy ultrafiltration, reverse osmosis and electro-deionization (EDI) technologies to supply the energy plant with ultrapure water. The residual heat produced by the gas turbine will be recovered in steam to power the steam turbine of the plant. This virtuous cycle will increase the power plant's production from 350 MW to 507 MW, equivalent to the consumption of 4.5 million inhabitants of the capital of Rio de Janeiro State.
- **In the State of Mato Grosso, SUEZ will support companies in one of the leading industries in Brazil - ethanol production – through two contracts in the water production of two corn-based ethanol production plants.** The Group will deploy its ProEcell technology in the boiler feed water system and the expansion project of the boiler water treatment line for two of the major ethanol plants in Brazil. This innovative technology combines reverse osmosis and electro-deionization (EDI) processes, allowing to minimize the footprint and the volume of effluents produced by the treatment plant.

" We are very proud of these new contracts, which confirm SUEZ's position as a key partner of industry players to improve their economic and environmental performance. We are fully committed to continuing to support the dynamism of this market, by providing solutions and services for the optimisation of the water cycle and for waste recycling and recovery, a growing challenge for industries. " stated Bertrand Camus, Chief Executive Officer of SUEZ.

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About 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 treats over 45 million tons of waste a year, produces 4.4 million tons of secondary raw materials and 7.7 TWh of local renewable energy. It also secures water resources, delivering wastewater treatment services to 66 million people and reusing 1.1 billion m³ of wastewater. SUEZ generated total revenues of 17.3 billion euros in 2018.

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