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SUEZ INNOVATES WITH A UNIQUE SOLUTION TO MONITOR DRINKING WATER QUALITY IN REAL-TIME

The performance and safety of drinking water supply systems are at the heart of public health challenges. SUEZ leverages on its long-standing expertise in water services and digital technologies to offer a unique solution for the real-time monitoring of drinking water quality in distribution networks: AQUADVANCED® Quality Monitoring.

A UNIQUE COMBINATION OF TECHNOLOGICAL INNOVATIONS AND KNOW-HOW

Drinking water is the most closely controlled food product which can be exposed to accidental pollution. To anticipate variations in drinking water quality and increase responsiveness in the event of anomalies or potential pollution, SUEZ has designed AQUADVANCED® Quality Monitoring: a modular and customised solution to enhance the monitoring of water quality in a context of increased compliance and safety issues.

AQUADVANCED® Quality Monitoring detects and locates drinking water quality anomalies in real time thanks to probes placed at strategic check points in the distribution network. These probes simultaneously measure up to eight physico-chemical and bacteriological parameters and make it possible to act as soon as possible when a risk is confirmed. For installations without a power supply, the solution comes with a patented self-powered power supply that provides electricity to the equipment.

A SOLUTION ADAPTED TO EVERY LOCAL NEED

AQUADVANCED® Quality Monitoring has many applications: it enables the targeted and continuous monitoring of sensitive areas or buildings (such as nurseries, schools, hospitals, retirement homes) or during sporting, cultural or festive events, through the installation of permanent or temporary reinforced monitoring devices. It is also a valuable tool for supporting projects to reduce the residual chlorine in drinking water by monitoring and optimising the required dose.

The device is currently being deployed in Paris, in the La Défense business district, as part of the network management for the Gennevilliers water syndicate.

“AQUADVANCED® Quality Monitoring is a unique solution to continuously monitor the drinking water quality in the distribution networks for the benefit of local authorities and water operators. This innovation, unique to the market, is an addition to our range of AQUADVANCED® solutions that use digital technologies to optimise the performance of water networks and provide new services to local authorities and individuals. This range of solutions has already proven itself and has been deployed in more than 600 contracts worldwide”, says Loïc Voisin, Director of Innovation, Marketing and Industrial Performance at SUEZ.



AQUADVANCED® Quality Monitoring ©SUEZ

Press contact:

SUEZ Asia

Eva LAM

+86 153 6376 7713

eva.lam@suez.com

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 m³ of wastewater. SUEZ generated total revenues of 15.9 billion euros in 2017.

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 over 9,000 employees and over 70 water and waste projects with local partners, SUEZ is helping authorities and industries develop innovative solutions to address climate change and sustainable resource management. The Group built over 440 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.

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