

24 May 2017

# Clean TeQ awarded contract to provide pioneering Continuous Ion Exchange waste water treatment solution

## Exclusive Technology Distribution Agreement with leading South African EPCM Contractor

**Melbourne, Australia** – Sam Riggall, Managing Director, today announced that Clean TeQ, via its wholly owned subsidiary Clean TeQ Water Pty Ltd, has been awarded a significant contract by Multotec Process Equipment Pty Ltd (**Multotec**) to design, procure and commission a Clean TeQ proprietary Continuous Ionic Filtration (**CIF**<sup>®</sup>) wastewater treatment solution at a minerals processing plant currently being constructed in Oman (**Oman Contract**).

Clean TeQ has also executed an exclusive Technology Distribution Agreement with Multotec for the African continent. Multotec is a leading provider of high-quality mineral processing equipment and solutions to the mining, mineral processing, petrochemical and power generation industries. Multotec has branches throughout Africa, Australia, Asia, South America and North America. Over four decades of developing, manufacturing, installing and maintaining processing equipment has made Multotec a global leader in custom, applicationspecific mineral processing technology.

Clean TeQ Managing Director Sam Riggall stated, "The Oman Contract is a ground breaking step forward in validating the application of our innovative technology for industrial water recycling and reuse markets. Treating wastewaters from flue gas desulphurisation scrubbers is a major issue for fossil fuel burning industries world-wide. The Clean TeQ plant in Oman will demonstrate the cost effectiveness and versatility of the CIF<sup>®</sup> technology in this field. We are also delighted to be partnering more broadly with Multotec, a well-established supplier to the global minerals industry, to grow our businesses together on the African continent."

## **Oman Waste Water Treatment Plant Contract**

The Oman Contract is valued in excess of US\$400,000 and includes a technology fee and payments for engineering, equipment and resin supply and commissioning support. The CIF<sup>®</sup> waste water treatment plant will treat waste water from a flue gas desulphurisation scrubber at a minerals processing plant at Port of Sohar Free Zone, Sultanate of Oman. The technology uses Clean TeQ's proprietary Continuous Ionic Filtration technology to remove toxic pollutants and in particular sulphate, antimony and arsenic from the wastewater stream. The Clean TeQ solution is being provided to Multotec as an equipment design and supply package. Multotec is

the principal contractor with overall responsibility for delivering the wastewater management systems for the mineral processing facility.

Engineering of the CIF<sup>®</sup> waste water treatment plant has been completed and materials, including first fill of resin, have been procured and are in transit to the site. Multotec will construct the water treatment plant under the direction of Clean TeQ personnel. The CIF<sup>®</sup> plant is expected to be completed and commissioned in the fourth quarter of 2017.



Figure 1: 3D Model of the Oman CIF<sup>®</sup> Plant

As more stringent environmental regulations regarding industrial emissions are being enacted in many countries, sulphur dioxide must increasingly be removed from flue gases. Flue-gas desulphurisation generally uses wet scrubbing technologies to remove sulphur dioxide from exhaust flue gases of fossil-fuel burning industries of other sulphur oxide emitting processes.

With water scarcity becoming an issue, the management of wastewaters from flue gas desulphurisation scrubbers is becoming a significant issue for a number fossil fuel burning industries world-wide, particularly coal fired power stations. In China, Zero Liquid Discharge (**ZLD**) standards are now being enacted for fossil burning power plants and the market for

wastewater management is growing rapidly. Our CIF® approach when coupled to evaporation and crystallisation provides a unique ZLD solution for the power industry.

## Multotec Distribution Agreement

Multotec is a leading provider of high-quality mineral processing equipment and solutions. For over 40 years, Multotec has serviced companies in the mining, mineral processing, petrochemical and power generation industries helping optimise their operations through the development and manufacture of high-quality, application-specific process equipment and solutions. Offered as part of a total processing solution, Multotec seeks to partner with clients for the lifespan of their plant or extractive application. The Multotec Group has numerous ISO 9001certified manufacturing facilities that are equipped with highly sophisticated equipment to develop products that drive value to its customers' production.

The formal binding Distribution Agreement establishes the commercial framework under which Clean TeQ will sell its water treatment technology products and services to Multotec so that Multotec can act as exclusive distributor for Clean TeQ in all countries in the continent of Africa. The Distribution Agreement provides Clean TeQ with the ability to leverage Multotec's strong established presence and extensive sales and service network in the global mineral processing industry.

The Distribution Agreement has an initial term of five years, subject to Multotec purchasing prescribed minimum values of products and services. Under the terms of the Distribution Agreement Multotec is appointed as exclusive purchaser and distributor of Clean TeQ's continuous ion exchange and ionic filtration technologies, evaporation and crystallisation technologies and design, engineering, sourcing, manufacturing and commissioning services relating to those technologies, in the field of water purification. Clean TeQ is appointed as exclusive supplier to Multotec of those technology products and services. Clean TeQ retains ownership of all intellectual property rights relating to the Clean TeQ technology, including improvements that arise as a result of the dealings contemplated by the Distribution Agreement;

Clean TeQ and Multotec see the African market as highly prospective for the CIF<sup>®</sup> technology. Applications in the mining, power and groundwater remediation areas are large and immediate markets.

For more information about Multotec please visit their website https://www.multotec.com/.

Clean TeQ continues to pursue a range of other water treatment opportunities including:

- 1) A CIF® wastewater treatment solution to treat tailings water to a standard to allow discharge at a gold mining operation in Australia. The technology removes toxic pollutants sulphate, antimony and arsenic from a waste water stream; and,
- 2) A Clean-iX® uranium recovery plant to remove low concentrations of uranium from process liquors at a copper/cobalt processing operation in Africa.

### About Clean TeQ Holdings Limited

Based in Melbourne, Clean TeQ (CLQ:ASX; CTEQF:OTCQX), using its proprietary Clean-iX® continuous ion exchange technology, is a leader in metals recovery and industrial water treatment.

For more information about Clean TeQ please visit the Company's website <u>www.cleanteq.com</u>.

### About Clean TeQ Water

Through its wholly owned subsidiary Clean TeQ Water, Clean TeQ is providing innovative wastewater treatment solutions for removing hardness, desalination, nutrient removal, zero liquid discharge. The sectors of focus include municipal wastewater, surface water, industrial waste water and mining waste water.

For more information about Clean TeQ Water please visit www.cleanteqwater.com

### Clean TeQ contacts:

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This release may contain forward-looking statements. The actual results could differ materially from a conclusion, forecast or projection in the forward-looking information. Certain material factors or assumptions were applied in drawing a conclusion or making a forecast or projection as reflected in the forward-looking information.