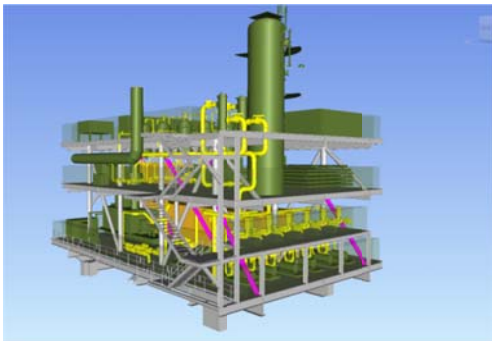


Press release

East Kilbride, Scotland – 21 November, 2016

Veolia to supply “Customised Water Flood” water treatment system module for Woodside FPSO offshore Western Australia in a multimillion US dollar contract



Veolia, through its subsidiary VWS Westgarth, has been awarded a multi-million dollar contract by Aibel Singapore on behalf of Woodside Petroleum Ltd. for the supply of the Customised Water Flood water treatment system on the Ngujima-Yin Floating Production Storage and Offloading (FPSO) facility that will operate in Woodside’s Greater Enfield Area Development fields, offshore northwest Australia. This is the first award to Veolia from Aibel Singapore and Woodside and also the first use of sulphate removal in Australia.

The Ngujima-Yin FPSO is a 332 metre double hulled tanker built in 2000 and converted into an offshore production facility to produce oil from the Vincent oil field. Once separated from gas and water, crude oil extracted from the reservoir is exported from the FPSO onto trading tankers.

The award is for the design, equipment procurement and supply, and construction as a single lift integrated process module, incorporating: Coarse Filtration, Ultrafiltration (UF) Pre-treatment, Sulphate Removal membrane Process (SRP), Vacuum Deaeration, Dual Fuel Turbine driven Water Injection Pump, Electrical Switchgear and Transformers, and Plant Control Room. The system water injection capacity is 12,720 m³/day (80,000 BWPD), with a turndown capacity to 8,745 m³/day (55,000 BWPD).

The heart of the system is the specialised SRP membrane process that is designed to remove sulphates and other divalent hardness ions from injection water used in enhanced oil recovery water flood operations. The removal of these ions reduces the tendency of barium sulphate and strontium sulphate scale to form in the reservoir and flowlines, plus prevent well souring by controlling sulphate reducing bacteria.

Veolia’s VWS Westgarth, based in East Kilbride, in the outskirts of Glasgow, Scotland, is the world leader in the supply of offshore sea water injection treatment packages. The company has an impressive reference list in upstream water treatment applications and will utilise this unique experience in the project management and engineering of the Greater Enfield CWF module.

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Veolia group is the global leader in optimized resource management. With over 174 000 employees worldwide, the Group designs and provides water, waste and energy management solutions that contribute to the sustainable development of communities and industries. Through its three complementary business activities, Veolia helps to develop access to resources, preserve available resources, and to replenish them.

In 2015, the Veolia group supplied 100 million people with drinking water and 63 million people with wastewater service, produced 63 million megawatt hours of energy and converted 42.9 million metric tons of waste into new materials and energy. Veolia Environnement (*listed on Paris Euronext: VIE*) recorded consolidated revenue of €25 billion in 2015. www.veolia.com

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