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Arab Water World

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New High Efficiency Submersible Pumps

World pump manufacturer, **Grundfos Pumps** unveiled a new range of SP submersible pumps at Ozwater 2015 - Australia's International Water Conference & Exhibition. When installed as part of a complete water system SP submersible pumps provide optimal water pressure to meet consumers' needs and expectations in addition to significant energy savings and lower maintenance and lifecycle costs for municipalities. To meet the growing demand for drinking and industrial water in many urbanized cities today, municipalities are constantly looking to increase water supplies from every available source, such as river systems, groundwater, reservoirs and even seawater. Municipalities are often compelled to install different water systems and solutions over time to meet increasing water needs. This approach, while practical, can lead to inefficiency in terms of energy wastage and higher maintenance cost due to the incompatibility of the operating systems. It is estimated that two thirds of existing current pump systems can achieve significant energy savings (up to 60 percent) by switching to Grundfos pumps with high efficiency motors, variable frequency drives and smart monitoring systems. Grundfos optimized water solutions incorporate pumps, controls, pressure management systems, and other components that work harmoniously and seamlessly with one another. The result is highly efficient water solutions that reduce maintenance and lifecycle costs; conserve energy for sustainable operations; and ensure consistent water pressure. ■

Grundfos pumps

A Novel Challenge in Drilling Water Wells

Drillmec have been working in North African Countries with their hydraulic rigs, for more than 30 years. Several 100 tons c.ty drilling rigs have been successfully used in the Libyan Desert to drill deep water wells in rough conditions; similar units have been also employed in Tunisia, for mineral prospections. At present, a new G33 drilling rig, 33 tons c.ty, is under delivery to Algeria. This supply includes a 10" x 7.1/2" Drillmec mud pump, able to deliver up to 2200 l/min, main and service winches, a generator/ welding unit and a foam pump for DTH drilling. The rotating head with an internal diameter of 6", guarantees 2400 kg/m torque and 130 RPM. The mast, with his hydraulic extension, is engineered both to operate with R1 drill pipes, and to install R2 casings and screens. An innovative rotating telescopic jib crane, installed on the top of the crown block, facilities tool and equipment handling, all around the well location. The G33 unit is powered by a Caterpillar Engine C13 (310 KW), completely soundproofed and tropicalized for desert conditions. All these components are installed on a 6x6 Astra Truck, 420 HP, equipped with desert balloon tyres. The Drillmec responsibilities also include training of the customer technicians in the workshop and on the job. A long-term technical assistance to drillers, mechanics and electricians will guarantee the top performances of the unit, with mutual success of user and supplier. ■

New G33 drilling rig