WPL provides wastewater treatment solutions for hospital in Libya

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Continuing the trend of significant growth in Libya for WPL Ltd and El Zulal, the most recent development has been to provide wastewater treatment solutions for a hospital near Ubari. These facilities were provided as part of a co-operation project between El Zulal and the Libyan Government. El Zulal are the local expert distributors and installers for WPL's wastewater treatment solutions across Libya, working in partnership for over two years they have provided wastewater treatment facilities for a range of fixed and temporary locations across the country. WPL has provided the hospital near Ubari in Libya with a new HiPAF (High Performance Aerated Filter) plant and Sand Filter system to treat their wastewater. The HiPAF Modular solution consisted of twin streams installed below ground, of Glass Reinforced Plastic (GRP) primary settlement, biozone treatment and final settlement tanks. The HiPAF has replaced an out of date system that no longer operated efficiently, and utilises SAF (Submerged Aerated Filter) technology to meet the site requirements of around 600 staff and patients. This bespoke solution to meet the hospital's needs, has been designed to treat the wastewater to the highest international standards. The HiPAF system, working in conjunction with a tertiary sand filter, produces treated effluent with Biological Oxygen Demand (BOD) level sub 10mg/l and Suspended Solids (SS) level sub 10mg/l. The treated effluent is then passed to separate tank where the effluent undertakes chlorine dosing and ultra-violet disinfection treatments in order to meet the required standards. This means the effluent from the hospital is treated to a level that meets Libyan and World Health Organisation (WHO) irrigation standards so the wastewater can be re-used effectively. The WPL solution has been robustly designed to combine versatility, efficient processing and reliability, whilst minimising the visual impact on the surrounding landscape. The HiPAF system has no internal mechanical or electrical components ensuring reliable, low maintenance operation. The non-corrosive GRP tanks can be easily serviced which was a key advantage for the hospital as it is located in a remote part of south western Libya. WPL have provided wastewater treatment solutions similar to this bespoke system for other

temporary and permanent sites in Libya. Previous plants have been provided for accommodation blocks at remote oil production facilities in the desert and oil storage facilities on the coast of Libya. [edie.net]

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