



Arab Water World

عالم المياه العربي

January 2011 / Volume XXXV Issue 1
العدد 1 / المجلد 35 / كانون الثاني 2011

Serving the Water, Wastewater, Desalination & Energy Sectors in the MENA Region
تخدم قطاعات المياه والصرف الصحي وتحلية المياه والطاقة في الشرق الأوسط وشمال أفريقيا

تكنولوجيا الري
Irrigation Technology

أخبار صناعية

Irrigation Solutions Meet the Needs of Family Farms to Agro-Industrial Suppliers

Creating arable land using irrigation systems is a practice older than Mesopotamia. Family farm and commercial agriculturalists are confronted with the most effective and economical ways of irrigating land. **WorldWater & Solar Technologies, Inc. (WWST)** of the USA, in partnership with TriOcean of Egypt, offers solar powered solutions to irrigation for small and large farms.

The utilization of solar power provides reliable and economical solutions to pump irrigation. WWST is unique in its ability to drive large pumps for moving water thanks to their patented technology, VariMax™ Drive, providing energy balance and appropriation of power to operate motors up to 1,000 HP from the sun alone.

This patented technology is incorporated in a range of WWST product solutions from small scale, easy to use 3.3 kW solar platforms capable of pumping 100,000 gallons (378,541 liters) of water daily to multi-megawatt irrigation systems. With TriOcean, WWST irrigation designs and technologies are employed in pivot, flood, and drip irrigation to name a few agricultural applications.

By employing solar power, farms and ranches will realize cost savings when compared to grid and diesel-fueled systems. Solar provides reliable energy, compared to the scarcity of diesel and brown-outs, black-outs and costly expansion of grid tied systems that plague agriculturalists worldwide. WWST and TriOcean designed solar-powered irrigation projects are being installed in the USA, Egypt, Sudan, and elsewhere.



Quentin T. Kelly, WWST's CEO, says: "The use of solar power as a reliable and economical means of irrigation will help agriculturalists, provide food security worldwide, and provide a sustainable solution for our planet. Our products range in size from 100,000 gallons of daily pumping to thousands of gallons per minute, providing a ready, economical and reliable solution to the family farmers as well as agro-industrialists."

In addition to water pumping, WWST provides mobile, field-proven distributed power, potable water and communications infrastructure with an installed base across the world called Mobile MaxPure®. ■