



SonTek
9940 Summers Ridge Road, San Diego, CA 92121
Tel +1.858.546.8327 Fax +1.858.546.8150

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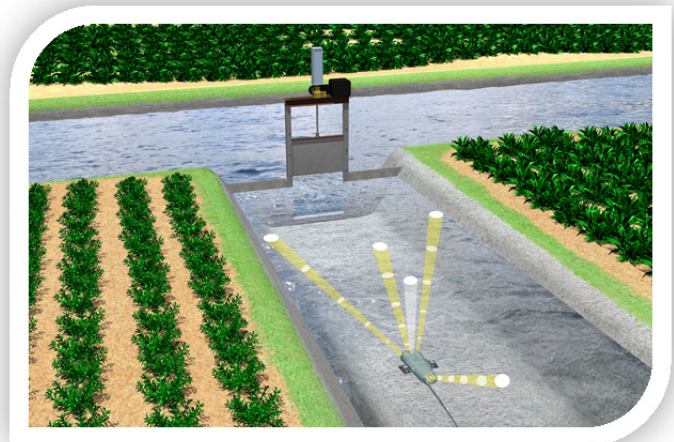
NEWS RELEASE

Contact: Christina Iarossi
ciarossi@sontek.com
+1.858.546.8327

SonTek Unveils the New SonTek-IQ Flow Meter at Irrigation Show 2011

San Diego – (November 2, 2011) – SonTek (**Booth #2118**) is pleased to announce the unveiling of the new SonTek-IQ – a hi-tech flow meter built specifically to address the needs of the open channel irrigation market.

The SonTek-IQ was developed in partnership with the Irrigation Training and Research Center at California Polytechnic State University and Art Schmidt at the University of Illinois and was funded in part by a SBIR grant from the US Department of Agriculture*. The goal of this collaborative effort was to develop a low-cost, yet highly accurate flow meter to meet the need of monitoring water deliveries in the numerous irrigation turn-outs in the U.S. and abroad.



The project leveraged SonTek’s renowned expertise in pulsed acoustic Doppler technology and included never-done-before flow modeling in small irrigation canals. The result is a device that is easy to install, precise and the perfect fit for highly variable flow found in irrigation environments.

“Irrigation Show 2011 is the ideal forum to unveil what we find will be a 21st century answer to a centuries old question – how much water is being delivered to the field?” said Mike Cook, Product Manager for the SonTek-IQ. “The new SonTek-IQ and SonTek-IQ Plus can installed in a turnout with minimal effort, is easily integrated with common communication protocols and will provide unmatched flow data quality in open channels.”

The SonTek-IQ determines flow velocity using four acoustic pulsed Doppler beams configured in a way that allows the instrument to profile water velocity in three dimensions (3-D). The system also incorporates SonTek’s proprietary “SmartPulse^{HD}”, an intelligent processing scheme originally developed for the award-winning RiverSurveyor product line.

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