

**FOR RELEASE: IMMEDIATELY**

Tidal Engineering Corporation  
2 Emery Avenue  
Randolph, NJ 07869  
973/328-1181; Fax: 973/328-2302  
www.TidalEng.com

Contact: Craig Borax,  
Craig@tidaleng.com

**TIDAL ENHANCES SHIPBOARD  
ENVIRONMENTAL CONTROL & MONITORING SYSTEM  
WITH POWER MANAGEMENT CAPABILITIES**

Randolph, NJ, November 14, 2003...Tidal Engineering Corporation, a leading provider of environmental control and monitoring systems for the Navy's Military Sealift Command (MSC), has enhanced their proprietary Tidal Engineering Environmental Control System (TECMS) to include comprehensive power management features. TECMS, a highly-integrated system comprised of computer hardware and software, is engineered specifically to meet the stringent operational requirements of the MSC, the global provider of ocean transportation for the US Department of Defense. Charged with controlling the temperature and humidity within cargo spaces via ships' Air Conditioning De-Humidification (ACDH) equipment, Tidal's system ensures environmental conditions are maintained to their exact specifications. Moreover, TECMS' new power management feature supports vessels' limited and varying electrical power generation capacity to preclude generator overload.

Capable of controlling, monitoring and reporting the temperature and humidity in up to 32 distinct locations by means of its over 256 sensors, TECMS also accurately logs and graphs ambient and seawater conditions. Now, with its power management feature, the enhanced TECMS functions to prevent generator overload by continually monitoring the number, and load of each generator online. An intelligent algorithm, the power

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management mode sheds loads on generators controlling spaces in which environments vary least from specified parameters first, while loads on generators controlling spaces in which conditions deviate most from their specified parameters are engaged first. The power management system furthermore prevents overloads due to inrush as it engages loads gradually. TECMS additionally creates reports, signals alarms, and uploads data via satellite.

Boasting Tidal's SBC485B single-board computer, a feature-rich data acquisition system designed for harsh environments, and incorporating extensive analog and digital I/O together with RS-485 connectivity, TECMS employs Windows 2000-hosted Think & Do™ software. Accordingly, this robust environmental control system provides ships' crews' with the most comprehensive and reliable means to acquire, analyze, and rapidly furnish precise data.

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**About Tidal Engineering, Inc.**

Headquartered in Randolph, NJ, Tidal Engineering Corporation has been designing and building award-winning embedded hardware and software for test and measurement and data acquisition applications since 1992. The company further provides product development services together with engineering support, and is recognized for technical expertise in such areas as Embedded IEEE 488, and turnkey SCADA (Supervisory Control and Data Acquisition) systems. Tidal's products are available exclusively through ADI American Distributors Inc., an ISO-9002 certified distributor of electronic and electro-mechanical components and assemblies.