

FOR RELEASE: *IMMEDIATELY*

Tidal Engineering Corporation
2 Emery Avenue
Randolph, NJ 07869
973/328-1173; Fax: 973/328-2302
www.TidalEng.com
Info@TidalEng.com

Contact: Craig Borax,
Craig@tidaleng.com

**TIDAL ENGINEERING AWARDED DESIGN PATENT FOR
SYNERGY™ NANO ENVIRONMENTAL TEST CHAMBER CONTROLLER**

***U. S. Patent and Trademark Office Recognizes the Two-Channel 1/4 DIN
Process Controller and Data Logger's Innovative Design***

Randolph, NJ April, 19, 2010...Tidal Engineering, a leader in the design, development and application of embedded hardware and software for environmental test control and data acquisition systems, has been awarded U.S. Design Patent #D607,843, "Industrial Controller", for the design of its Synergy™ Nano, a two-channel, 1/4 DIN process controller and data logger for environmental test chambers.

"We are extremely pleased with the award of this patent", said Craig Borax, president of Tidal. "Our biggest design challenge, when developing the Synergy Nano, was establishing an approach that enabled us to pack all the original, full-size Synergy controller's advanced technologies into a user-friendly, compact, 1/4 DIN size instrument. We also focused on engineering a design that supports an easy retrofit into legacy environmental test chambers. The Tidal team met these challenges head-on, and we are confident this patent will greatly enhance our competitive position in the marketplace."

Tidal's state-of-the-industry, 1/4 DIN controller system offers all the features needed to maximize the capability of the most prevalent environmental chambers. Engineered to take complete command of chambers' conditioning systems, the Synergy Nano's algorithms automatically select heating/cooling modes as required, and totally control programming of temperature, vibration, HALT/HASS, and thermal vacuum/space simulation.

Featuring a color touch screen, the Synergy Nano notably incorporates a USB data logger supporting numerous process inputs and control variables. Process inputs include RTD, thermocouple, voltage and current, along with the ability to instrument up to 64 thermocouples. Employing the Microsoft Windows CE™ operating system, the feature-rich instrument's sophisticated communications capabilities include 10/100 BaseT Ethernet, RS-232, GPIB (optional), and Tidal Engineering's built-in WebTouch Remote™ web server remote control. Additional features include an FTP server, USB flash drive support and

optional bar code reader. The Synergy Nano Controller may be specified on most chambers from the industry's leading chamber manufacturers, and is easily retrofit into legacy equipment. Additional information regarding the Synergy Nano, as well as Tidal's complete Synergy Controller Series can be found at <http://tidaleng.com/synergy.htm#nano>

About Tidal Engineering Corporation:

Headquartered in Randolph, NJ, Tidal Engineering Corporation was founded in 1992. The company is globally recognized for designing and building award-winning environmental test chamber control and data acquisition hardware and software. The company further provides application support to OEMs and end-users involved in environmental testing, lab management, and data acquisition. Tidal's products and services are widely used in such industries as defense, homeland security, semiconductors, aerospace, automotive, medical, and pharmaceutical.