



15534 West Hardy Rd., Suite 100  
Houston TX 77060

TEL: 281.209.3900  
FAX: 281.209.3901



## PRESS RELEASE

### New Marine Fuel Savings and Management Technologies Demonstrate Dramatic Fuel Savings

*Nautical Control Solutions Announces Patent for Marine Fuel Management and Accountability System - FuelTrax™*

**Houston, TX – March 8, 2006** The marine industry, like other energy-dependent businesses, is being challenged to meet stockholder expectations in the face of rising fuel prices, which are unlikely to decline. Many technologies have attempted to increase marine fuel efficiencies. Most, however, have been by simply monitoring or reporting engine performance and fuel consumption to the captain and crew. A recently patented\* technology called FuelTrax ([www.FuelTrax.com](http://www.FuelTrax.com)), under development for over three years, is proving to reduce fuel consumption on marine vessels from 8% to 20% by calculating the optimum fuel usage uniquely and dynamically for each vessel.

Nautical Control Solutions' CEO and founder, Anthony George, explains: "*The FuelTrax ([www.FuelTrax.com](http://www.FuelTrax.com)) system, applying fundamental principles of physics, uses real-time measurements of fuel consumption and speed in order to account for overall vessel conditions. Using proprietary technology, FuelTrax then determines the optimum throttle settings for maximum fuel efficiency*". On-board wheelhouse monitoring allows vessel operators to make necessary throttle adjustments that reduce fuel consumption. Fuel savings rates of 10+% have been demonstrated on numerous vessels for several operators.

This new technology provides vessel operators with crucial fuel and engine data, such as individual and combined engine burn rates, historical fuel usage by day, "*Distance to Empty*" in miles, "*Time to Empty*" in hours, individual and combined engine run times, fuel tank levels and discrepancy alarms, and fuel transfer accountability.

Complementing the on-board fuel optimization technology is a fuel management system called FuelNet. This web-based technology gives managers the ability to monitor the performance of their fleet from any location using a secure internet portal that maintains a history of fuel performance for one or multiple vessels. Using state-of-the-art communication technologies, vessels broadcast all information collected onboard to a secure data center which can be accessed via a password protected website and can be viewed from any PC connected to the Internet. As a result, on-line access to vessel performance data significantly reduces delays for fuel reports and creates a faster, more efficient channel of communication between the home office and the vessel.

Together, FuelNet and FuelTrax give managers the tools they need to monitor effectively their fleets' fuel consumption and inventory from their home office, as well as giving the captains the tools they need to optimize vessel fuel savings. This complete system is also demonstrating more effective vessel utilization and a reduction in associated operational costs by giving management a daily, global view of their fleets' fuel consumption. These technologies have already proven to be a very effective tool for managing fuel on marine vessels. When used as directed, vessel operators can reduce fuel consumption by up to 20%.

\*US Patent 7,024,317



**NAUTICAL  
CONTROL  
SOLUTIONS**

15534 West Hardy Rd., Suite 100  
Houston TX 77060

TEL: 281.209.3900  
FAX: 281.209.3901



## **About...**

Nautical Control Solutions, LP (NCS) was established to focus engineering talent and efforts on the development and production of the FuelTrax and FuelNet products. NCS provides automated control solutions specifically designed to optimize marine performance, and is continuing to develop and market complementary solutions to the FuelTrax Suite. Through its established relationships with leaders in the marine industries, NCS has gained extensive insight, knowledge and expertise to develop and produce innovative information and cost saving maritime management tools.



Press Room