

UAE shipbuilder selects IXSEA for naval contract



MARINS Inertial Navigation System

UAE Systems Integrator Company Abu Dhabi Systems Integration LLC (ADSI) has chosen, on behalf of UAE Navy, IXSEA navigation equipment for work it is doing for the country's navy. ADSI is the Combat System Integrator (CSI) of 12 Ghannatha-class missile boats, which will use IXSEA's MARINS Inertial Navigation Systems (INS), and upgrading 12 Ghannatha-class transport boats, which will use PHINS systems. The IXSEA systems will be used for navigation and positioning and, in the case of the missile boats, to provide attitude measurement for weaponry alignment and stabilisation.

MARINS is the first high-performance INS to be based on IXSEA's Fibre Optic Gyroscope (FOG) technology, and is designed to meet naval demands for accurate and reliable inertial navigation. Military-specification-qualified and incorporating a sophisticated Kalman filter, this strap-down system is suitable for navigation and weapons control on all types of naval vessels, including attack submarines, offshore patrol vessels, destroyers and frigates.

PHINS (or PHotonic Inertial Navigation System) also incorporates FOG technology and is a surface INS that outputs position, attitude and velocity data with extremely high accuracy. PHINS is high-speed-craft certified by the International Maritime Organization, and will accept aiding data from various input sources. It is suitable for application on any surface vessel and a variety of subsea vehicles.

ADSI selected IXSEA from two suppliers recommended by the UAE navy. Oscar Correa, Ghannatha CSI program manager, ADSI, says, "We chose IXSEA because we found that its navigation systems are very precise, state-of-the-art systems that provide operators with a complete set of data. They are also highly reliable".

"The two systems also offered the best cost benefit from the operational and commercial viewpoints," adds Mr Correa. "IXSEA's systems are perfect for our applications."

About Abu Dhabi Systems Integration

ADSI was established in 2005 as a joint venture between Abu Dhabi Ship Building (a UAE public joint stock company specialising in constructing, repairing and refitting naval, military and commercial vessels) and SELEX Sistemi Integrati (a Finmeccanica company and Italy's leading manufacturer in the high technology sector and in defining and integrating systems for defence, homeland protection, coastal and maritime surveillance, and air traffic management).

About IXSEA

Formed in 2000, IXSEA designs and manufactures navigation and positioning systems based on its state of the art Fibre Optic Gyroscope technology, along with a complete range of seafloor mapping solutions for the scientific, offshore and defense industries.

IXSEA has more than 400 clients on five continents with a turnover of €35 million in 2009.

Further information:

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