

## IXSEA SUPPLIES INS TO DUTCH NAVY



PHINS Inertial Navigation System

IXSEA has been awarded the contract to supply Inertial Navigation Systems (INS) for the Dutch Navy's Offshore Patrol Vessels which are under construction at Damen Schelde Naval Shipbuilding. The four new ships will be equipped with a dual PHINS configuration.

PHINS, Photonic Inertial Navigation System, outputs position, heading, roll, pitch, depth, velocity and heave. Its high accuracy inertial measurement unit is based on IXSEA's Fiber Optic Gyroscope (FOG) technology coupled with an embedded digital signal processor that runs an advanced Kalman filter.

In 2003 IXSEA delivered 18 PHINS units for the Dutch and Belgian Navies' minehunters as part of the PAM project (retrofit of minehunters).

"PHINS is cost effective, off-the-shelf and maintenance free. The Dutch Navy was indeed the first Navy to use off the shelf inertial navigation, a trend that has been replicated by navies worldwide," said Maarten Van Beelen, Defense, Sales Director Europe, Africa, Americas. "With its excellent track record with the Dutch Navy and many other navies, PHINS was the obvious choice for this project.

"IXSEA received the contract from Imtech Marine & Offshore who will integrate the PHINS systems onboard along with special converters to provide the required synchro signals. IXSEA has worked on several successful projects with Imtech Marine & Offshore in the past."

### About IXSEA

Formed in 2000, IXSEA designs and manufactures navigation and positioning systems based on its state of the art Fiber 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 €38 million in 2008.

### Further information:

Anne Berg

Public Relations Manager

IXSEA

Email: [anne.berg@ixsea.com](mailto:anne.berg@ixsea.com)

30 Avenue Amiral Lemonnier

78160 Marly Le Roi, France

Tel: +33 (0)6 13 49 05 66