

IMO Approval for Orion INS

The IMO (International Maritime Authority) has approved the Orion Inertial Navigation System (INS) as meeting the performance standards required by gyrocompasses used for commercial shipping. The approval certifies the Orion as meeting the demanding ISO 16328, ISO 60945 and IEC 61162 standards which makes it suitable as a ship's primary heading indicator and for the export of data into equipment such as radar, electronic chart displays and voyage data recorders.

The Orion Inertial Navigation System was specifically designed for the demanding hydrographic survey, offshore construction and ROV (remotely operated vehicle) operations markets and it incorporates three single axis ring laser gyro elements and three highly accurate accelerometers. It uses the latest version of the TSS inertial algorithm, which has over 30 years of pedigree and provides outstanding performance in all sea conditions. Receiving IMO approval now means that the Orion's output can also be used to meet a ship's gyro-compass carriage requirements. This eliminates the need for a separate gyro-compass as it can also provide the heading data needed for bridge systems and other navigation and radar equipment.

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