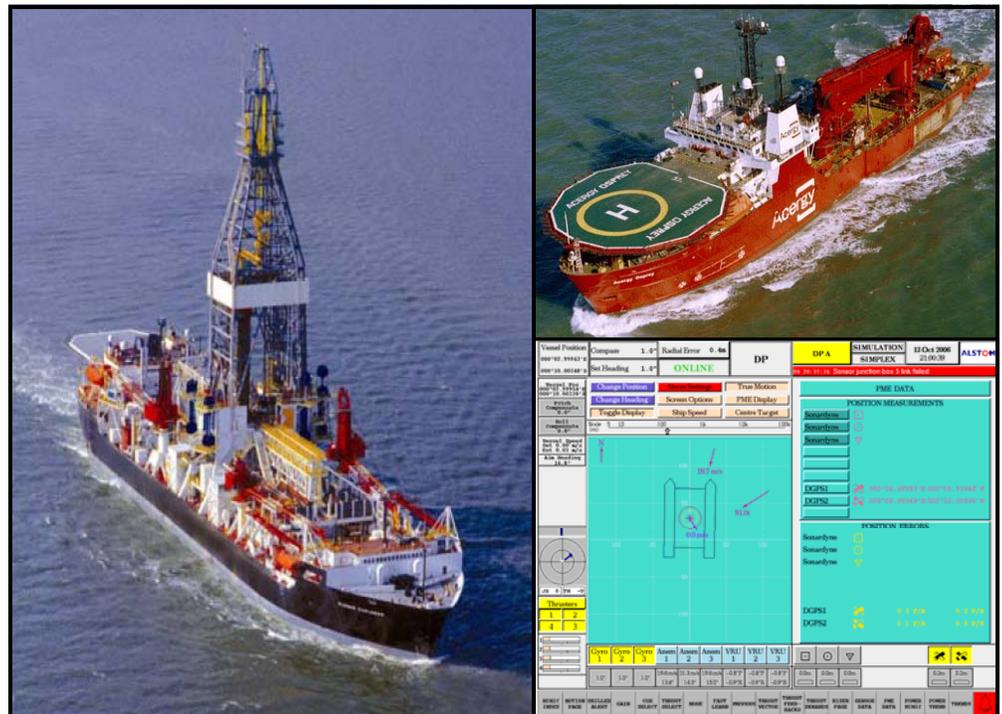




Solutions - Service - Support

Dynamic Positioning Inertial Position Reference Sensor (D-PINS)TM



Zupt delivers operationally aware inertial technologies to improve the productivity associated with high cost operations for oil and gas exploration and field development. These capabilities are offered and supported worldwide.

Dynamic Positioning - Inertial Position Reference Sensor (D-PINS)TM

D-PINSTM is an aided inertial position reference sensor specifically designed to provide reliable position inputs to any DP desk through short term outages of either DGPS or Acoustics.

D-PINSTM removes the position jitter from ultra-short baseline acoustic positioning systems (USBL) in deep water significantly reducing rig or construction vessel time when moving onto location.

D-PINSTM easily installs into existing configurations. The system takes standard DGPS and Acoustic telegrams from existing systems and blends this data with a navigation grade inertial measurement unit to deliver a position telegram into an open position reference slot within the DP desk.

The system can run offline to allow operator familiarity while logging both DGPS, Acoustic and D-PINS data for comparison. Once operators are fully trained on the system D-PINS can be brought on line like any other position reference sensor.

Part Numbers: DP Inertial Position Reference Sensor D-PINSTM

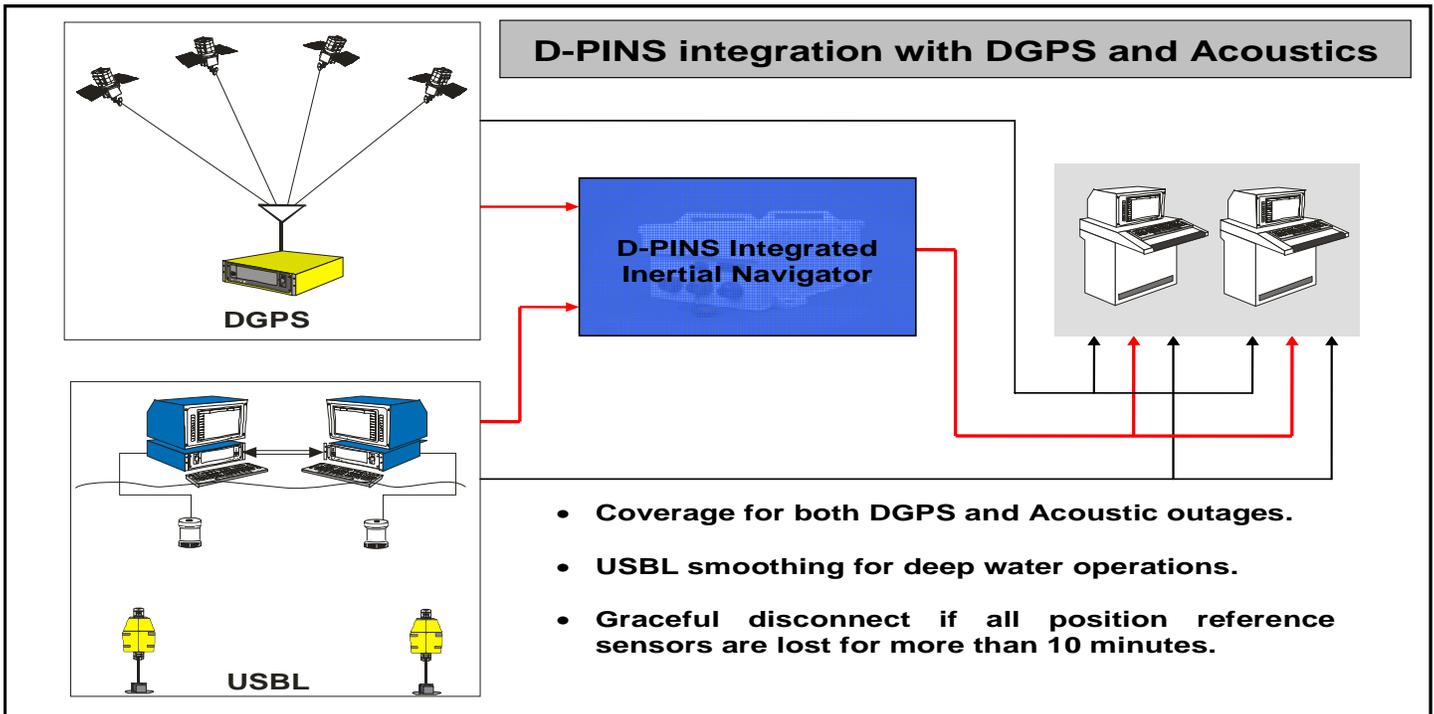
D-PINSTM is a fully integrated system including:

- High-performance inertial sensors
- Simple user interface
- Data fusion software
- I-O hardware interfacing multiple aiding sensors
- Rack mounted hardware and interconnecting cables
- Position, attitude, velocity output at up to 5Hz
- Data logging capability
- Audit trail for operator history logging

D-PINSTM delivers the same precision as conventional DGPS or acoustic positioning systems as well as very precise heading and attitude data.

The position out will degrade if no input from either DGPS or acoustics are available. Without any external references the position will drift from the last known position as follows:

- > 2 minutes - between 1m to 2m
- > 5 minutes - between 5m to 8m
- > 10 minutes - >10m



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The information given herein is believed to be reliable. Zupt, LLC makes no warranties as to its accuracy and completeness. These specifications are subject to change without notice.

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