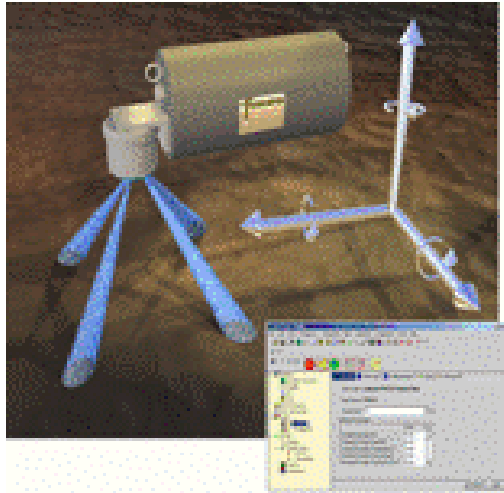


# Fugro FineTrack—T100™ and T200™



## Leading the Way

Fugro has pioneered development of tightly coupled INS (Inertial Navigation System) solutions to address subsea positioning in today's highly demanding deep and ultra deepwater oil and gas projects. This innovative market leading technology enables Fugro to combine the latest advances in Inertial Navigation with proven sensors. The resulting T100 and T200 systems offer an ideal time saving subsea positioning tool to match today's challenging and cost conscious drilling and construction markets.

## Positioning with Fine Track—T100/T200

The Fine Track-T100 and latest generation T200 are designed for accurate ROV positioning while providing a high degree of QC (Quality Control). Provision of a high position update rate allows a fluid graphic display of the ROV in the work area. This gives the ROV operator immediate visual feedback for more efficient and effective guidance.

Further benefits are evident when employed with Starfix.HydroVista. This dedicated 3D visualization system is an integral component of the INS package. It enables a virtual subsea environment to be replicated for mission planning, real time operation and post mission analysis. This innovative application provides typi-

cal survey guidance metrics, customized quality control indicators and real time conditioning. Working in zero visibility is no longer questionable, thus improving safety, dive times and ROV downtime statistics.

## Performance

INS performance may be described in several different terms. Fugro's experience with FineTrack has shown that the best means of describing the accuracy as it relates to classic subsea tasks is in terms of cumulative distance traveled, or parts per thousand (ppt). Thus 1.5ppt implies 1.5m error over 1.5Km traveled, irrespective of the time taken. This is based on velocity and depth aiding.

FineTrack represents the next generation in subsea positioning systems. Utilizing state-of-the-art INS and aiding technology, Fugro's Finetrack is tailored to ROV applications in the increasingly demanding deepwater environments where reliability and accuracy are paramount.

## Applications

- Relative well positioning
- Flowline/pipeline/umbilical installations
- Flowline/pipeline/umbilical as built and OOS surveys
- Pile/mattress/manifold demarcation
- All manner of buoy sets
- ROV positioning/navigation
- Jumper metrology (future)

## Benefits

- Cost savings/improved operational efficiencies
- Reduced HSE exposure
- Significantly reduces LBL requirements thereby saving vessel time and hence costs
- Use of existing resources (e.g. rig ROV)
- Enhanced ROV guidance
- Reduces SIMOPS and noise pollution issues

**Fugro Chance Inc.**  
6100 Hillcroft  
Houston, TX 77081  
Contact: Keith Kneale  
Tel: (713) 346-3726  
kkneale@fugrochance.com

200 Dulles Drive  
Lafayette, LA 70506

[www.fugrochance.com](http://www.fugrochance.com)

