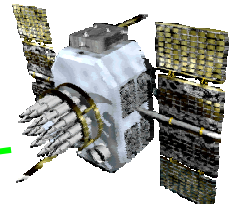


MERIDIAN SURVEYS

VESSEL MANAGEMENT SYSTEM

Meridian's Vessel Management System (MVM) is a GPS based vessel tracking and management system. The mobile unit can be any form of vehicle, vessel or aircraft. Mobile unit locations are displayed in real-time against relevant background data utilising GIS based software that, along with additional utilities, provides a flexible management tool for both the vessel owner and/or charterer.

- ◆ **MVM** obtains an accurate position from the Global Positioning System (GPS) suite of satellites operated by the U.S. Department of Defense. **GPS** provides worldwide 24-hour coverage with an accuracy of better than 5 metres in Differential mode.



- ◆ **MVM** will operate on a wide range of vessels including:

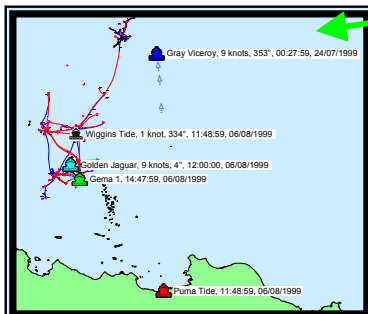
- Crew Vessels
- Oil Field Supply Vessels
- Anchor Handling Tugs
- Drilling Rigs (Semi-Submersible and Jack-Up)
- Seismic Survey Vessels
- Scout and Fish Trap Survey Vessels
- Tankers (Oil, LPG etc)
- Cargo / Container Vessels

- ◆ The Communications System carrying the position information back to the central display computer can be any of the following:

- Cellular Telephone
- UHF or VHF radio
- Satellite Communication (e.g. Inmarsat C, D+)



Each has its own advantage and disadvantage depending on the operating environment of the system.



- ◆ The **Management Display System** utilises MapInfo GIS for the geographic display of mobile unit position overlaid on base maps showing relevant background data such as land mass, rock outcrops, pipelines, FPSO's, platforms, wellheads, and danger zones.
- ◆ The **MVM** system enables the Fleet Manager to manage his fleet more efficiently and economically, and with a higher degree of safety.

For further
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