Fugro Satellite Positioning





Marinestar[®] provides users with access to the latest developments in high performance Differential Global Satellite Navigation System (DGNSS) positioning.

Marinestar[®] - high accuracy positioning products and services

High Precision Marine Positioning

Marinestar[®] high performance positioning products and services are able to meet a wide and varied range of applications in marine scientific and oceanographic research, hydrographic survey, cable laying, dredging and fishing. Even naval users can benefit from Marinestar[®] services.

Precision in 3D

Marinestar[®] services deliver decimetre level accuracy – not just in horizontal position but also in height.

Services

Marinestar® GPS is a decimetre level, phase based service using satellite 'orbit and clock' data valid worldwide, based upon GPS L1 and L2 frequencies. The Marinestar® GPS Service provides a high performance global solution to a horizontal accuracy of 10 cm (95%) and vertical accuracy of 15 cm (95%).

Marinestar® GNSS is an integrated DGPS/DGLONASS, decimetre level, phase based, service using satellite 'orbit and clock' data valid worldwide, based upon GPS and GLONASS L1 and L2 frequencies. The Marinestar® GNSS Service provides a high availability, high integrity, global solution to a horizontal accuracy of 10 cm (95%) and vertical accuracy of 15 cm (95%).



High accuracy in three dimensions for Hydrographic Survey



High accuracy positioning with no dependency on local shore based infrastructure for dredging



Use of both the American GPS and Russian GLONASS Navigation Satellite Systems



Fugro Satellite Positioning



Fugro Data Network

Fugro operates a fully duplicated network for the production and delivery of high performance Global Navigation Satellite System (GNSS) augmentation services.

The network includes:

- Independent Network Control Centres (NCC's) in Perth, Australia and Houston, USA
- · Back up NCC's in Australia and America
- Dual satellite broadcast data links in all ocean regions
- Alternative data processing models and reference station networks

Compatible Hardware

Marinestar[®] compatible equipment includes the compact, integrated 9205 GNSS receiver and the Kongsberg Seatex Seapath range of receivers.



The Fugro Data Network



The world's largest cruise ship Royal Caribbean International's Oasis of the Seas uses the Marinestar[®] manoeuvring system to assist with berthing.

Specifications subject to change without further notice