

Fugro supports your offshore work with a global network of reference stations, monitoring signals from GNSS (GPS, GLONASS, Beidou and Galileo) satellites and generating corrections to significantly improve the accuracy of unaugmented GNSS signals. Correction messages are transmitted to vessels via a robust, fault-tolerant broadcast infrastructure, providing precise, reliable, real-time satellite positioning that is accurate worldwide, to just a few centimetres.

## CAPABILITIES

**Our innovative positioning infrastructure** and expert staff have ensured a quality-controlled and cost-effective positioning service to the offshore industry for over 30 years. Based on our proprietary infrastructure, hardware and software, we provide a wide range of GNSS based positioning and correction services:

- **Starfix** – Positioning services for offshore construction vessels, survey operations, pipelay and cable lay activities, seismic surveys, dive support, FPSO installation and monitoring. [www.starfix.com](http://www.starfix.com)
- **Seastar** – Dynamic Positioning services (DP) – The very best DGNSS positioning available for DP vessels or rigs worldwide such as Platform Supply vessels (PSVs), Multi-Purpose Vessels (MPVs), Anchor Handling Tugs (AHTs) and also Diving Support Vessels (DSVs), Drill Ships and Drilling Rigs operating on DP. Its precise, reliable, high-accuracy differential GNSS correction service is optimised for dynamic positioning and other safety critical applications which require 24/7 availability and full redundancy under the most demanding conditions.
- **Marinestar**<sup>®</sup> Positioning Service (PS) – provides high accuracy positioning services in Coastal Areas and Inland Waterways on various types of vessels such as Navy vessels, Hydrographic vessels, Dredging vessels, Research vessels, Wind farm support vessels and other specialist vessels.
- **Marinestar**<sup>®</sup> Manoeuvring System (MMS) – offers reliable, type-approved position, speed and heading inputs to vessel navigation systems used by the Merchant Navy. MMS assists large vessels with berthing manoeuvres and measures dynamic trim to improve energy efficiency.