

ORION is Veripos' GNSS visualisation software designed specifically for Dynamic Positioning Operators (DPOs) and marine crew, and has been developed in close association with Veripos' DP customers across the world.

Designed to provide simplified, clear imagery while ensuring rapid and straightforward configuration via a touch screen interface, the package displays key information and statistics in such a way as to enable operators to make speedy, informed decisions aboard any type of DP vessel or rig. Integrating essential views such as GNSS plots for both GPS and GLONASS networks and correction delivery satellites, displays also include time series plots of position calculations as well as traffic light indicators showing overall system health.

The application is designed to run independently from the position calculation meaning the user can use the software without impacting the position feed to the DP system.



Precise Satellite Positioning Services

Key Functionality

- GPS and GLONASS sky plot
- Veripos correction satellites sky plot
- Position solution status
- Horizontal Error time series plot
- Latency time series plot
- Day and Night display mode
- SOG and COG display
- Latitude, Longitude and Height (WGS84)
- Ability to enter up to six targets
- Range and bearing to selected target
- Correction status Age
- L-Band lock indicator
- Signal strength indicator
- DOP (Dilution of Precision) indicator
- 2-D Error indicator
- Correction received indicator
- Polar plot display mode
- Heading display mode
- Configuration display mode
- Solution Status – Precise, differential, stand alone
- Visual CMG and SOG indicators – through bubble trail

Installation

- Designed to run on Veripos LD6 receivers or on a suitable standalone PC with Veripos LD5 and LD7 receivers
- Touch screen interface or mouse and keyboard
- Heading input and display – will interface to standard NMEA (\$HDT) heading input
- User configuration through the Configuration display mode