



Blue Spider

Ease of use and Reliability are embedded into the design of Blue Spider™.

Blue Spider™ is sold or hired on a 'Per Server License' basis.

A minimum of one Server is required on each vessel or location.

No additional licenses required for Multiple Workstations!

No dongles and no costly Add-ins. Servers are easily unlocked by phone or email.

Real Time Office Web Monitoring can assist with QC.

A complete Survey, Data Management and Visualization system

Blue Spider™ is a proven Offshore Survey System complete with integral wi-fi based Barge management and Anchor Handling capabilities.

TCP/IP links with auto fallback to radio modem for BMS if required.

Multiple surface vessels, ROVs, TMS, turbines, divers, subsea construction components, lines and points seamlessly link together.

The Internet Based Web Monitoring allows managers and clients to observe the Survey Screen activities in virtually real time.

Technical changes, including geodetics, BMS, lines, points, background charts, offsets, device configuration, are made while the system is running. There is no 'Offline' status.

Project Managers can consider less manpower for support, as vessels are connected by Wi-Fi. Serial over IP interfacing (from any PC) reduces vessels installation costs.

DWG, DXF, GeoTiff and DTM are supported. DTM, XYZ data and 3D vessels can be viewed with the interactive 3D Viewer.

Key features



- ◆ Client-Server architecture supports multiple workstations.
- ◆ Calculations are performed in lat and long, results displayed in any format.
- ◆ Automatic master slave changeover for dual redundancy.
- ◆ Tracking of multiple vessels, currently works with up to 11 vessels.
- ◆ AIS support, filtering and advanced logging,
- ◆ Positioning of sub-sea vehicles, divers and other equipment, plus average fixing.
- ◆ Fully customizable inputs allows for decode of any format of input data.
- ◆ Fully customizable outputs to other systems.
- ◆ Fully customizable logging, at selectable rate or defined by external trigger.
- ◆ Logging to CSV or other text files can be triggered by external events
- ◆ Automatic logging of all information to SQL database.
- ◆ Replay of incoming data from SQL database.
- ◆ Decode of complex input messages can be scripted.
- ◆ Advanced Java-script engine for custom processing in the server.
- ◆ Custom server-side variables and scripts can be defined.
- ◆ Serial data can be routed via any computer on the network.
- ◆ Supports direct TCP/IP inputs as alternative to serial.
- ◆ Allows interfacing to multiple OPC servers.
- ◆ Permissions can be restricted by user account or to specific workstations.
- ◆ Positional secrecy mode for DOD / security sensitive operations.
- ◆ Separate map server acts as central repository for charts and other big data.
- ◆ Import of point cloud data in many formats.
- ◆ Import of GeoTIFF data.
- ◆ Import of CAD drawings (DWG/DXF/DGN) data.
- ◆ Import of GEBCO data.
- ◆ Charts are automatically available on all workstations in both 2D and 3D
- ◆ Number of charts/height map data is only limited by hard disk size.
- ◆ Charts can be displayed in any projection and in 3D with on demand warping.
- ◆ Vehicle definition editor supports both 2D and 3D and vehicles with moving parts.
- ◆ Live 2D and 3D situational awareness views.
- ◆ Remote web monitoring from the office.
- ◆ Local web monitoring using hand-held device on the ship.
- ◆ Customizable user interface extensions make it adaptable to your needs.
- ◆ Completed log files can be automatically uploaded via the web
- ◆ Positioning of mobiles via HPR, Fanbeam, Blueview, GPS and almost any other method including automatically estimated layback.
- ◆ Barge management can use both WIFI and radio modem links.
- ◆ Add depth information to routes from height map data sets.
- ◆ Cross sectional depth graph view.
- ◆ Support for A/C radii in routes.
- ◆ KP can be calculated using both true and grid techniques.
- ◆ Extensive list of supported map projections, datums and vertical references.