



# QINSy



the **right** license  
for **every** job

## Survey

This is the complete version of QINSy. The user can create multiple objects and interface up to 256 systems to QINSy. This version is ideal for larger survey operations where redundant systems are a must.

Because the user can define multiple objects it can be used for all types of offshore activities like anchor handling, pipe-lay operations, tug management and of course ROV and AUV surveys.

QINSy Survey comes with real-time data acquisition, full survey planning, data cleaning and data validation functionality. QINSy Survey can easily be customized with add-on modules like the Multibeam and SSS add-on.

## Survey Office

QINSy Survey Office is the office based license and is meant purely for processing activities. Data that is recorded with one of the QINSy acquisition licenses can be replayed, cleaned and plotted on a chart with QINSy Survey Office.

QINSy Survey Office comes with full survey planning, data cleaning and data validation functionality. For processing multibeam or SSS data QINSy Survey Office can easily be customized with various add-on modules.

## Lite

QINSy Lite is the single sensor version and is more complete than QINSy Inshore. The Lite version allows the user to select one sensor of each system type, making it more versatile. The QINSy Lite version is limited to one object, but has full display support.

QINSy Lite comes with real-time data acquisition, full survey planning, data cleaning and data validation functionality. QINSy Lite can easily be customized with add-on modules like the Multibeam and SSS add-on making it ideal for small survey operations.

## Inshore

This low cost QINSy Inshore license is easy to operate hydrographic survey software. It allows the user to interface one GNSS, one heading device and one singlebeam echosounder (dual frequency). With limited displays and functionality it is simple to use and is ideal for small scale projects.

QINSy Inshore comes with real-time data acquisition, full survey planning, data cleaning and data validation functionality.


**features list**

inshore                      light                      survey

|   |   |        |        |
|---|---|--------|--------|
| 2D/3D XYZ data cleaning (line by line)                      | ✓ | ✓      | ✓      |
| 3D area based data cleaning (Qloud)                         | ✗ | add-on | add-on |
| 3D grid display (incl. 3D object support)                   | ✗ | ✓      | ✓      |
| Advanced Kalman filtering                                   | ✓ | ✓      | ✓      |
| Advanced position prediction and dead reckoning             | ✓ | ✓      | ✓      |
| AIS transponder and ARPA support                            | ✗ | ✓      | ✓      |
| Anchor & tug management                                     | ✗ | ✗      | ✓      |
| ATT support   | ✓ | ✓      | ✓      |
| Attitude sensors  | ✗ | ✓      | ✓      |
| Backscatter support (incl. with multibeam add-on)           | ✗ | add-on | add-on |
| Chart plotting  | ✓ | ✓      | ✓      |
| C-MAP electronic chart support                              | ✓ | ✓      | ✓      |
| CUBE support  | ✗ | add-on | add-on |
| DGPS computation and QC support                             | ✗ | add-on | add-on |
| Doppler calibration   | ✗ | ✓      | ✓      |
| Dredging support  | ✗ | ✓      | ✓      |
| DTM creation in real-time                                   | ✓ | ✓      | ✓      |
| Enhanced multi-layer navigation display                     | ✓ | ✓      | ✓      |
| Eventing  | ✗ | ✓      | ✓      |
| Geo referenced picture support (GeoTiff, ECW)               | ✓ | ✓      | ✓      |
| Heading Sensors   | ✓ | ✓      | ✓      |
| Import/export routines for various formats                  | ✓ | ✓      | ✓      |
| Line planning and route design utilities                    | ✓ | ✓      | ✓      |
| Multibeam calibration                                       | ✗ | add-on | add-on |
| Multibeam echosounder dual-head                             | ✗ | ✗      | add-on |
| Multibeam echosounder single-head                           | ✗ | add-on | add-on |
| Multiple object support                                     | ✗ | ✗      | ✓      |
| Multiple sensor support                                     | ✗ | ✗      | ✓      |
| Online despiking and cleaning of bathymetric data           | ✓ | ✓      | ✓      |
| Online tide reduction                                       | ✗ | ✓      | ✓      |
| Online X-section and profile display                        | ✗ | ✓      | ✓      |
| Online/offline GSF / XTF export                             | ✓ | ✓      | ✓      |
| Out of straightness survey support                          | ✗ | ✗      | ✓      |
| Pipe-lay operations (S-lay, J-lay)                          | ✗ | ✗      | ✓      |
| Pipeline detection and processing                           | ✗ | ✗      | ✓      |
| Positioning navigation system (GNSS)                        | ✓ | ✓      | ✓      |
| POSPAC support  | ✗ | ✓      | ✓      |
| PPS UTC timing support (1 msec accuracy)                    | ✗ | ✓      | ✓      |
| Raw data editing  | ✓ | ✓      | ✓      |
| Raw data storage  | ✓ | ✓      | ✓      |
| Real-time multiple log file creation                        | ✗ | ✓      | ✓      |
| Real-time output to 3rd party systems                       | ✗ | ✓      | ✓      |
| Real-time TPU calculation                                   | ✓ | ✓      | ✓      |
| Remote Display Client (RDC) (LAN/WAN/WLAN Broadcast)        | ✗ | add-on | add-on |
| ROV and AUV support   | ✗ | ✗      | ✓      |
| S-57 electronic chart support                               | ✓ | ✓      | ✓      |
| S-57 ENC production & distribution                          | ✗ | add-on | add-on |
| S-63 Primar chart support                                   | ✓ | ✓      | ✓      |
| Seismic support   | ✗ | ✗      | ✓      |
| Sidescan sonar online mosaic display and processing utility | ✗ | add-on | add-on |
| Singlebeam echosounder (single / dual frequency)            | ✓ | ✓      | ✓      |
| Snippets support (incl. with sidescan sonar add-on)         | ✗ | add-on | add-on |
| Sound velocity management and modeling                      | ✓ | ✓      | ✓      |
| Sound velocity profile support (file input & on-line)       | ✓ | ✓      | ✓      |
| Tide reduction post-processing                              | ✓ | ✓      | ✓      |
| USBL calibration  | ✗ | ✗      | ✓      |
| User defined display sets                                   | ✓ | ✓      | ✓      |
| Volume computation  | ✓ | ✓      | ✓      |