

Special QINSy, Qimera, Applanix 2 day training course

This training curriculum is for the QINSy, Qimera, POS MV and POSPAC products. Uniquely, the data acquisition will be using QINSy on an actual Autonomous Surface Vehicle.

The focus of the training is on Multibeam bathymetry, using QINSy to set up a system to go online, Installation and calibration of the POS MV, post processing of the GNSS/IMU data with POSPAC MMS and using Qimera to process the bathymetry data and create products.

Day 1

Data Acquisition Day

- Introduction to QPS
- Introduction to QINSy
- Setting up a Template Database
- Line Planning in QINSy
- Applanix POSMV Theory
- Re-locate to Banbury Reservoir to use ASV for data collection
- POS MV installation, setup and GAMS calibration
- QINSy Online acquisition, including displays, autopilot setup, patch test acquisition and real-time 3D point cloud.

Day 2

Data Processing Day

- Introduction to Qimera
- Import and setup in Qimera
- Applanix POSPAC MMS GNSS/IMU post processing
- Import POSPAC in Qimera
- Patch Test
- Cleaning Data
- Wobble Analysis
- Product Creation

