

GSA Advantage!
Contract # : GS-07F-122DA



KONGSBERG

iLinks and Kongsberg test their new Portable Multibeam & LiDAR solution

During July 2016, iLinks and Kongsberg carried out a series of successful trials of the new PMLS-1, a truly portable fully calibrated and ready-to-operate portable Multibeam and LiDAR solution.

Based on the Kongsberg EM 2040-C multibeam and the iLinks IntelAST™ mobile LiDAR system, the PMLS-1 is the first truly 'plug-and-play' portable combined Multibeam and LiDAR system available today.

The PMLS-1 system is ideally suited to projects which require rapid mobilisation on vessels of opportunity. All of the survey and positioning systems are fully integrated and require no calibrations or Patch Tests prior to survey operations.

PMLS-1 is easy to deploy, simple to operate and is the ideal solution for real-time combined Multibeam and LiDAR surveys.

SYSTEM COMPONENTS

- Dual GNSS Positioning
- Dual GNSS Heading
- Fiber Optic Gyro based
- Inertial Navigation System
- S250 LiDAR Sensor
- EM 2040C Multibeam
- Sonar Processing Unit
- Integrated Workstation
- Universal Sonar Mount

The PMLS-1 system is ideally suited to vessels of opportunity or where the survey equipment needs to be shared between a number of vessels in the same fleet.

The IntelAST™ mobile LiDAR system can also be quickly removed from the sonar mount and transferred to a truck or ATV for land topographic surveys.



All industry standard 3D data acquisition software packages are fully supported and will be supplied pre-configured.



Further information on the PMLS-1 systems, together with example data sets from the trials can be downloaded at;

www.ilinks.us

Combined Multibeam & LiDAR

By combining high resolution Multibeam and LiDAR data significant improvements in the quality and efficiency of a number of Engineering and Environmental tasks can be achieved. Soft structures, such as Beaches, Dunes and Levees can be accurately modeled in a matter of hours. Damage, Debris and routine Scour surveys can be completed quickly and efficiently by surveying the above and below the water at the same time. The resultant data sets, which contain millions of accurate 3D points, can be used to make much more informed decisions.

