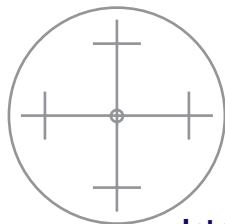


Maritime Department

Number one at sea



Key areas

- Hydrographic survey
- Site- and route survey
- Navigation and positioning
- Data processing and QC
- Digital mapping & Chart database
- Project consultancy
- Position monitoring system for tankers
- Tidal observations

Introduction

After the opening of the office in Stavanger in the early seventies, Parker Maritime AS, formerly Blom Maritime AS, started to serve the growing oil industry in Norway. Much of the company's marine activities through the seventies and eighties, were concentrated around large offshore structures, including survey of safe inshore and offshore towing routes, as well as positioning services during tow-out and final offshore installation.

Although Parker Maritime AS has been heavily involved with the offshore industry, inshore survey activities have been maintained from the very start. Such survey activities have been detailed bathymetric surveys of harbours, monitoring of dredging operations and general verification of depths.

Today

Parker Maritime AS has developed a Quality Control and Logging System, BlomPMS™, designed for shuttle tankers loading offshore. The system has been delivered to more than 65 shuttle tankers and support vessels operating in the North Sea as well as in Brazil and Canada. For the installations the BlomRPMS™ has been developed. It receives data in real time from the BlomPMS™ onboard the vessel via telemetry.

Parker Maritime AS has set up a 24' survey launch fully equipped for ports and near / inshore survey work. The launch is fitted with a Kongsberg EM3002 multi beam echo-sounder, SeaPath 200 RTK and GPS providing a positioning accuracy of better than 10 cm.

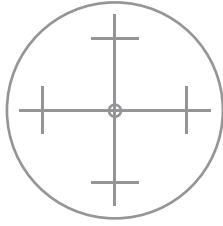


International

Historically, Parker Maritime AS was very active on the international market. This fact has resulted in several marine surveys and chart production contracts in the Middle East and Far East.

The handy size of the launch makes it easy to mobilise by standard truck or sea transport anywhere it may be required along the coast.





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To be able to serve the inshore marine cable market, Seaworks AS and Parker Maritime AS have jointly invested in a Kongsberg EM1002 multi beam echo-sounder system installed on C/S Nordkabel, a 44 m long cable laying vessel.

Typical hydrographic surveys carried out by our company can be summarised as follows:

- Pipe/cable route survey
- Monitoring/documentation of dredging
- Harbour surveys
- Traffic channel and sea lanes
- Site and route surveys
- General hydrographic surveys

Work tasks include everything from positioning, bathymetric data acquisition, tidal observations, data processing and production of final charts. The last 15-20 years multi beam echo-sounder technology has replaced traditional single beam echo-sounder systems.

This concept allows us to offer total packages, including cable route surveys to find the best cable route alternatives, calculation of seabed profile to find required cable length, cable laying and as-laid documentation by use of Kongsberg Maritime HPR acoustic underwater positioning. C/S Nordkabel will also be available for offshore surveys.

Home market

Parker Maritime AS has carried out hydrographic surveys for various purposes since the Maritime department was started. Based upon our experience, we also been give assistance to other companies for data processing, terrain modelling and offline QC of multibeam data.



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