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### **LOPOS Vessel Traffic Management and Information Services**

LOPOS has been pioneering satellite positioning combined with wireless communications for maritime applications since 1994. Following years of testing and system optimisation, LOPOS' applications have reached technological maturity. LOPOS provides next generation GNSS / wireless communication applications for maritime operations while its competitors still concentrate their sales and marketing efforts on radar and AIS technologies.

Being at an advanced stage of technological development, LOPOS is well-positioned to implement its field-tested technologies for coastal shipping, port manoeuvres and inland waterways. The highlights of LOPOS are the systems consequent design of overall reliability and transparency. The bandwidth incorporated by the wireless LAN enables logistic information services in addition to high precision nautical support and fairway information services to the user. The added value provided by LOPOS will be the base for reimbursement of investments into the system.

As a result of the GPS / GLONASS positioning accuracy and system liability attained by LOPOS at its Demonstration and Reference Site in the Port of Hamburg, LOPOS was selected by esa to provide the reference against which to compare the integrity and accuracy of EGNOS signals. LOPOS has successfully evaluated EGNOS/Galileo service for maritime vessel positioning and traffic management under the Maritime LOPOS-EGNOS Testbed (MARLET) programme.

### **LOPOS Technologies - adding value to vessel traffic management.**

