

Sparker/Boomer in Baltic Sea



The University of Klaipeda, Lithuania, has taken delivery of a new SIG sparker system from SIG France. The sparker/boomer is a multi-channel seismic system suitable for working in shallow water conditions (water column of 100m) in the Baltic Sea. The energy source has a maximal output of 1,000 joules with the sparker, and 500 joules with the boomer sound source. The sparker works well in the low salinity (7g/l) of the Baltic Sea.

Onboard training has been conducted by SIG France, Geomatrix UK, and system integrator and manufacturer of custom solutions Emma Technologies. Emma Technologies has manufactured the oceanographic winch installed on the vessel for sidescan survey and gradiometer operations. The winch has a maximal capacity of 3,000m of 10.3mm coax cable.

Dedicated Vessel

The vessel, the *Mintis* is a brand new 39-metre-long, 12m-wide catamaran, especially designed for the oceanographic researches of the university. The vessel can take on board 12 scientists, who can work in two laboratories equipped for geological, biological and physico-chemical research.

The *Mintis* will be used to meet the needs of both scientific and various marine activities: to carry out seismic surveys, monitoring marine environment, research on fisheries resources and implementation of pollution monitoring.

Image: The SIG Boomer.