

Spanish Navy Extends Multibeam Capabilities

Kongsberg Maritime has entered into a contract with the Spanish Hydrographic Institute of the Navy (IHM) to deliver and install the EM 302 12°x2° on its survey launch, H/V *Malaspina*. The system will be installed during the mid life upgrade program starting in 2007 and will form a key part of an integrated survey package consisting of the EM 302, EA 600 12 kHz and Seapath 200.

Today, IHM operates two 12.5 metres hydrographic launches, *Malaspina* and *Tofiño*. Both utilise Kongsberg Maritime hydrographic equipment. The launches have surveyed the majority of Spanish harbours. The level of detail facilitates to define objects, such as pipelines, cables, etc. that had not been mapped previously.

The new EM 302 onboard *Malaspina* includes all the features of the EM 300 multibeam echosounder, the current market leading product for marine geology mapping of seabed for depths to 5000 to 6000m. It utilises chirp technology to obtain extended range capability for surveying from the shoreline right through to beyond continental rises. The EM 302 also provides high-density signal processing as well as increased number of soundings for improved resolution.

<https://www.hydro-international.com/content/news/spanish-navy-extends-multibeam-capabilities>
