

## JHD debuts high-tech survey vessel

The Hydrographic Department of Japan will soon add a new survey vessel to its surveying fleet.

The new survey vessel, which was named "HL 01 SHOYO", was launched from Mitsui Shipbuilding & Engineering Co. Ltd., Tamano Shipyard at Okayama Prefecture on 29 June 1997 and will join the JHD fleet in March 1998.

The new vessel is a multipurpose survey ship equipped with modern and sophisticated survey and observation instruments, and will be mainly engaged in bathymetric and submarine geological surveys as well as oceanographic observations in coastal and offshore areas. One of the most remarkable features of the new Shoyo is her Diesel-electric propulsion system, with which fine maneuverability and pinpoint control of the ship can be secured during survey/observation operations.



New SHOYO float on the Inland Sea



JHD's new survey vessel HL 01 Shoyo at the launching ceremony

The principal particulars of the new Shoyo and her equipment to be fitted are:

- Gross tonnage: 3,000 tons
  - Length overall: 98.0 m
  - Breadth moulded: 15.2 m
  - Depth moulded: 7.8 m
  - Service speed: 16.5 kt
  - Cruising range: 12,000 miles at 15 kt
  - Main engines: 4,050 PS × 2
  - Diesel-electric motors: 2,100 kw × 2
  - Bow thruster: 1
  - Max. accommodation: 70 persons
- 
- ECDIS
  - Hybrid positioning system
  - Automated data acquisition and processing system
  - Echo sounder for shallow to medium depths
  - Narrow multibeam echo sounder
  - Acoustic Doppler current profiler
  - 10-metre ROV
  - 10-metre type survey boat

The name "Shoyo" was handed down from the first HL 01 SHOYO (1,900 tons), which will be relieved by the new Shoyo next year after its 26 years service.