PRAKLA-SEISMOS GMBH

Marine Geophysical Surveys

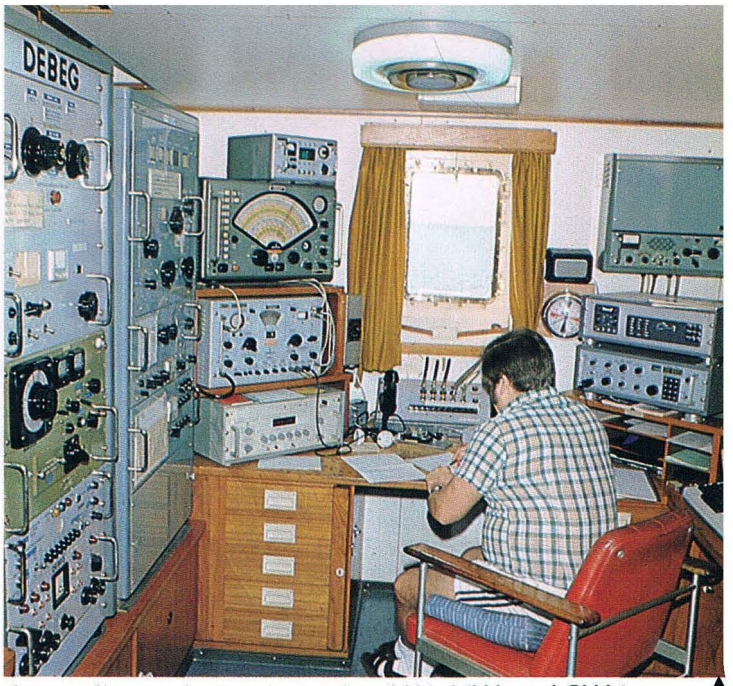
▲

PRAKLA-SEISMOS's multi-purpose survey-vessels provide sufficient deck-space, stowage and loading capacity as well as comfortable accommodation for extended cruises.

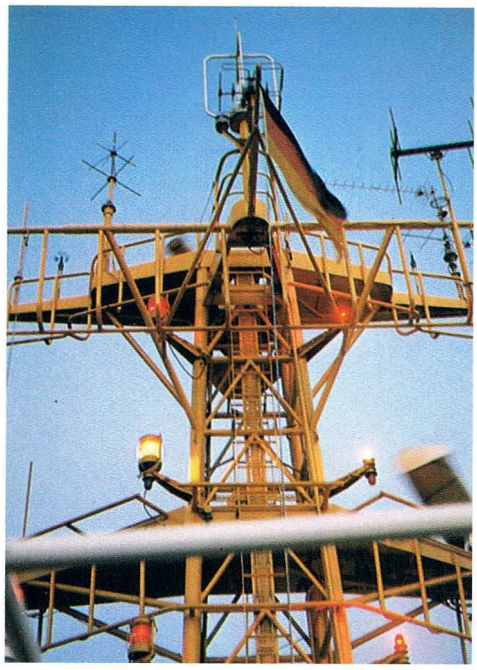
Advanced navigational equipment of highest standard, remote control for propulsion, monitoring and auxiliaries are clearly arranged to permit the ship's command personnel full attention to traffic and navigation. ▶

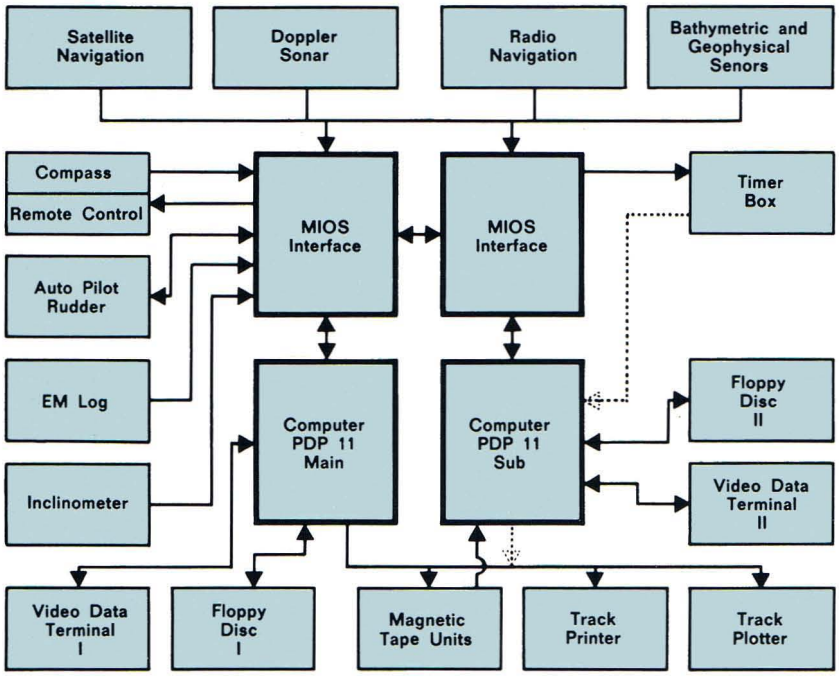
Two diesel powered launches developing a speed of 12 knots comprise part of the **rescue equipment** as well as being used for **reconnaissance and shuttle purposes.**

▼



Worldwide communication is established by comprehensive radio equipment; marine LW, MW and SW transcoms also in SSB mode, all marine VHF channels, radio telex and weather chart printer. ▲

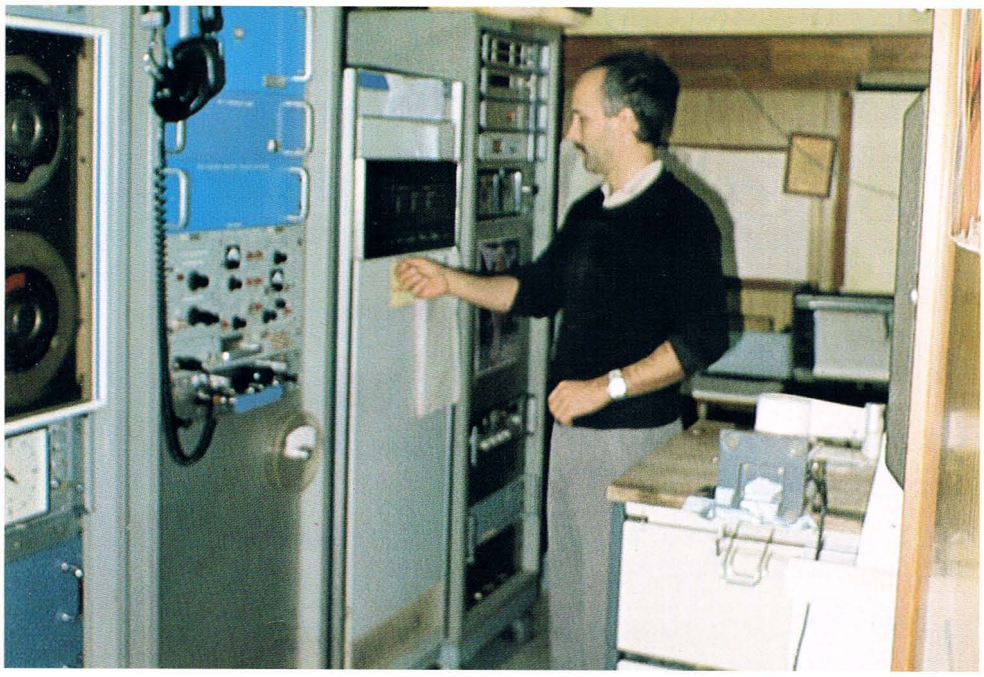


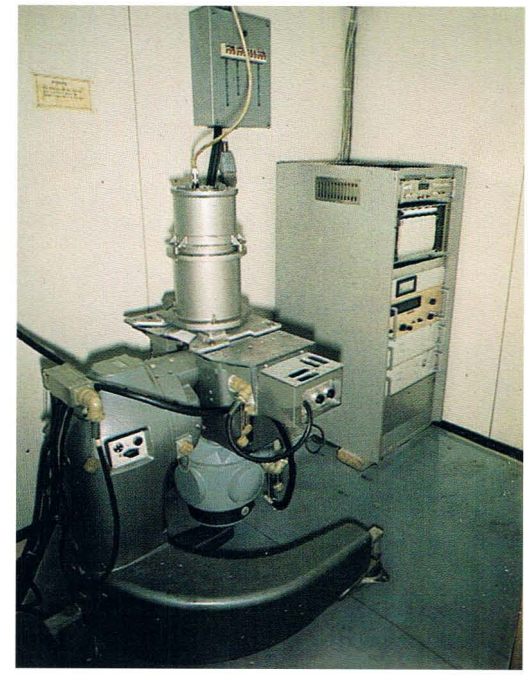


Navigation and positioning: PRAKLA-SEISMOS's INDAS V, an abbreviation of Integrated Navigation Data Aquisition System, is the concept the company has put into service to maintain highest positioning standards, including quality controls.

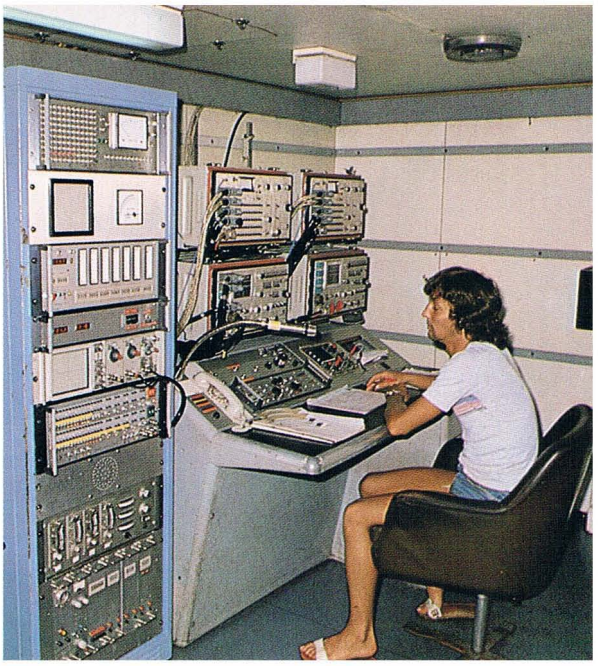
Advanced computer technology results in a system capable of navigating the vessel automatically in cruise and survey, verifying land based and satellite navigation systems and finally of recording and plotting all required data.

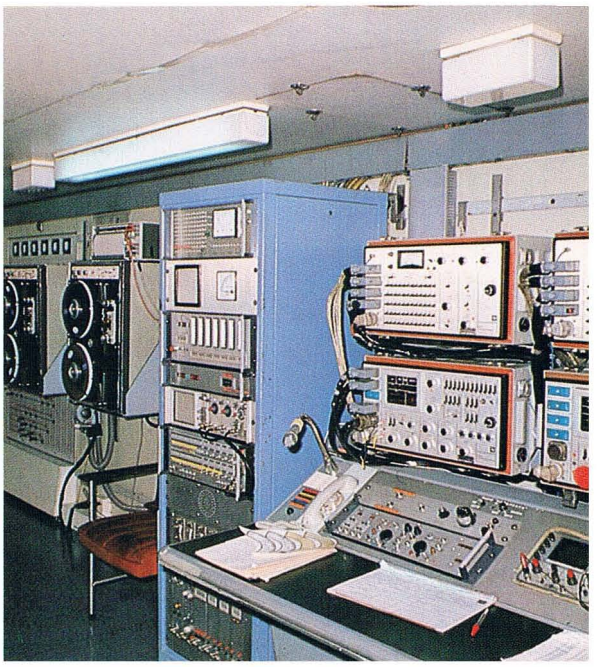
Simultaneous recording of gravity and magnetic data is available on request.

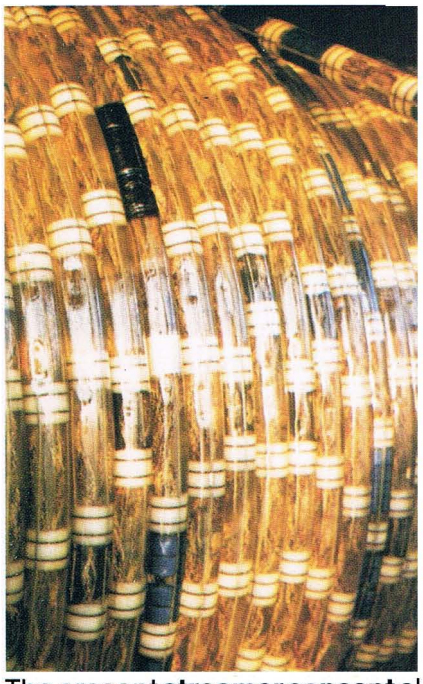




The **seismic recording instrumentation** is the principal constituent of any seismic survey vessel. The most up to date digital field recording units provide a recording capacity of up to 120 seismic channels at present – a 200 channel system is scheduled for introduction in 1980.



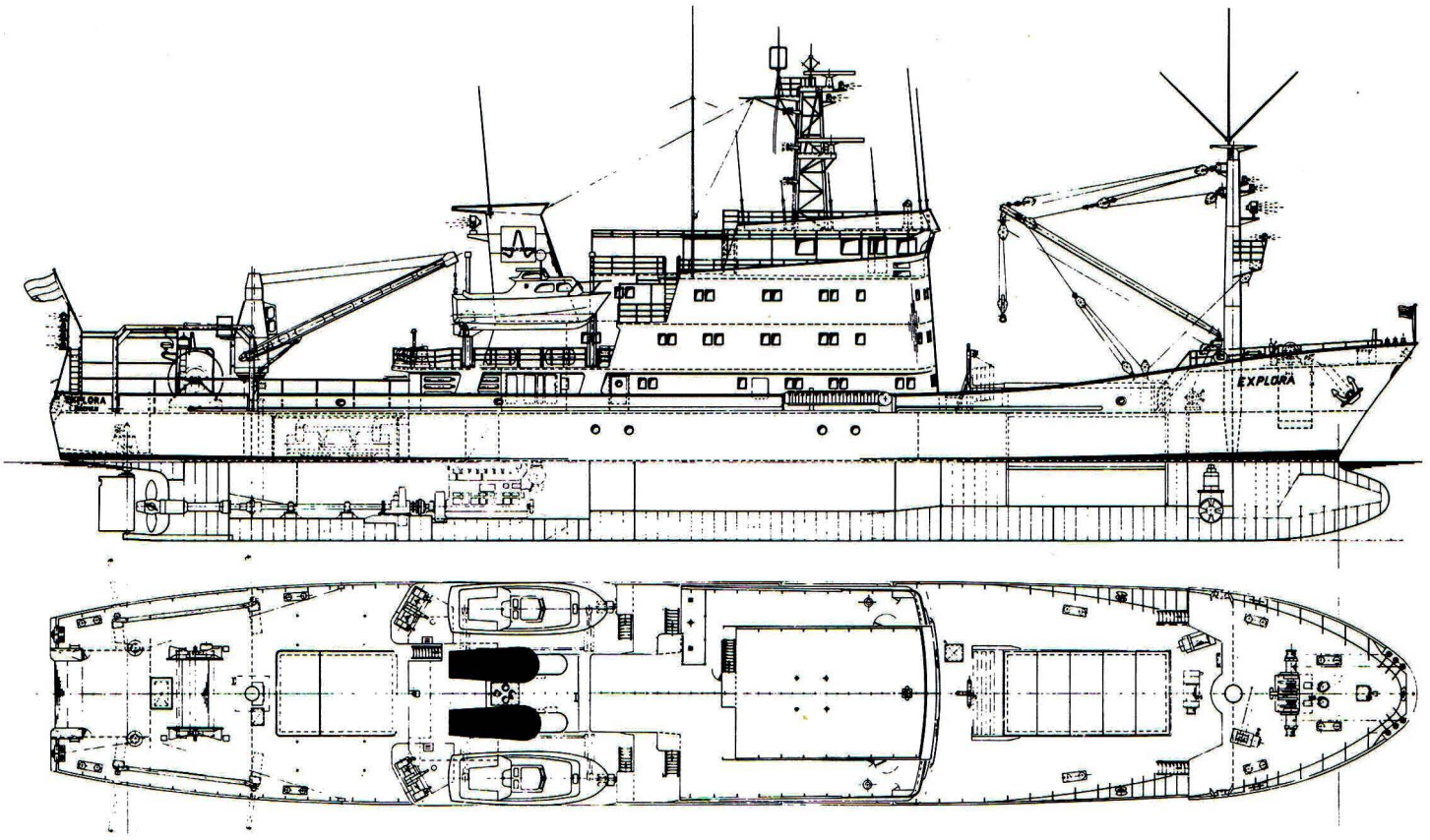




The present **streamer concept** allows the use of up to 114 hydrophone groups with various spreads. ▲

Tuned airgun arrays serve as energy source. Synchronous operation of all airguns is achieved by an automatic release control system. ▲

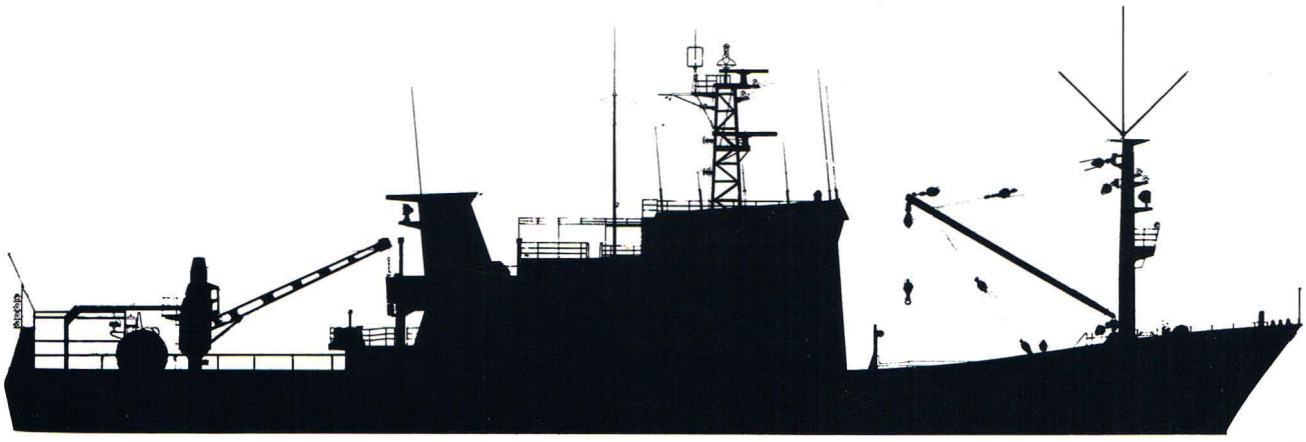
Mainstay of PRAKLA-SEISMOS's Offshore Geophysical Activities



The multi-purpose research and survey vessels EXPLORA and PROSPEKTA flying the flag of the Federal Republic of Germany sailing under German and internationally recognized registry are PRAKLA-SEISMOS's contribution to worldwide deepwater geophysical exploration for oil and gas.

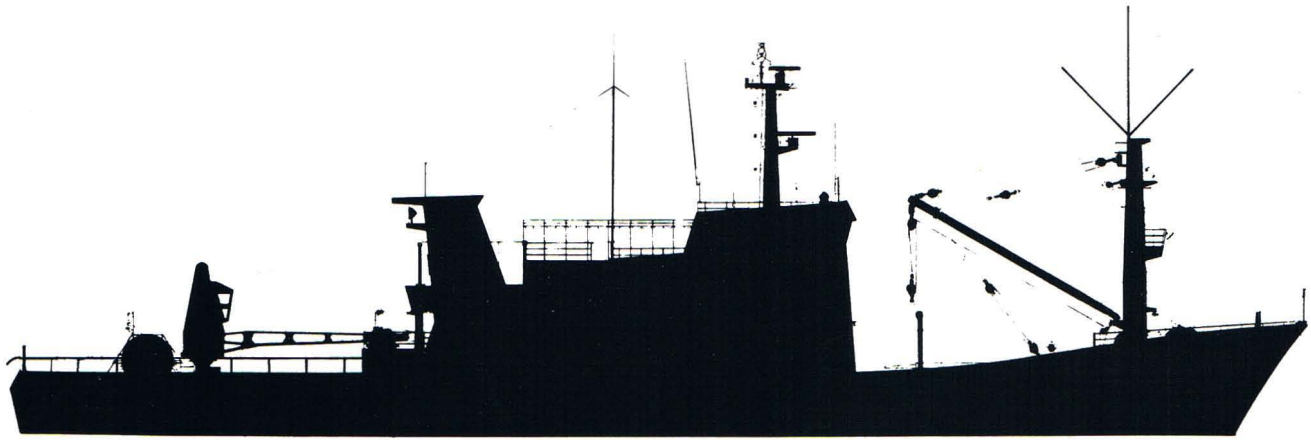
	S/V EXPLORA	S/V PROSPEKTA
Home port:	BREMEN	BREMEN
Radio call sign:	D E F G	D E B L
Germanischer Lloyd, Class:	+ 100 A4 „E2" MC 16/24	+ 100 A4 „E1" MC 16/24
Dimensions and Specifications:	40420 TELEX	
Length o.a.	72.78 m (238'10")	72.64 m (238'4")
Beam o.a.	11.80 m (48'9")	11.80 m (48'9")
Draught	4.15 m (13'6")	4.15 m (13'6")
Tonnage	978 GRT	968 GRT
Cruising speed	16 knots	16 knots
Survey speed	4 – 6 knots	4 – 6 knots
Cruising range	12,000 nm	12,000 nm
Main engines	Kloeckner Humbold Deutz 2 x 1,295 kw	Kloeckner Humbold Deutz 2 x 1,295 kw
Fuel bunker capacity	280/400 mts	280/400 mts
Fuel consumption	cruise: 12–14 mts/24 hrs., survey operation: 6,50–7,50 mts/24 hrs.	cruise: 12–14 mts/24 hrs., survey operation: 6,50–7,50 mts/24 hrs.
Fresh water production	16 mts/24 hrs.	12 mts/24 hrs.
Continuous operating time	2 – 3 months	2 – 3 months
Food storage, perishable/cold	1/6 months	1/6 months
Crew, ship/geophysical	18/12	18/12

An Integrated Fully Automatic Survey Tool for Marine Geophysical Exploration



S/V EXPLORA in service since April 1973

Both vessels are fully equipped for 2-D and 3-D seismic surveys.



S/V PROSPEKTA in service since August 1970

PRAKLA-SEISMOS has carried out marine seismic surveys for more than 25 years.

PRAKLA-SEISMOS

PRAKLA-SEISMOS GMBH · HAARSTRASSE 5 · P.O.B. 4767 · D-3000 HANNOVER 1
PHONE: (511) 8072-1 · TELEX: 9 22 847 /9 22 419 · CABLE: PRAKLA · GERMANY

5000 1079