ELECTRICAL ROOM

The frame distance in the hull has been developed in such a way that all 19in cupboards and battens fit between the frames. This still leaves a passage height as big as possible and the maximum interior space. All cupboards are modular and suspended in a framework like a space lab. They have a very high shock resistance and can easily be changed or increased.

The main ballast tanks 1 and 2 are situated fore and aft of the pressure hull. The total effective volume amounts to approximately 12.4 m^3, which is 12% (103 tons) or 10% (128 tons) of the submerged displacement.

The pressure hull is divided into one or two compartments, or three in the hybrid case, by bulkheads able to withstand a pressure difference of about 20 bar. As is more or less established practice these days, the forward end mainly houses the control room and the NAV. AUX. room. The central portion contains the accommodation and the electrical room, while the after part mainly contains the propulsion units.

It should be appreciated that this division did not merely fit established patterns, but was the final result of a very careful consideration of all the functions on board, together with the aim that inboard noise should be limited and controlled as much as possible.

NEYK SUBMARINE