



RUSSIAN SUBMARINES: DESIGN & CONSTRUCTION

This book provides extensive information on the evolution of Russian and Soviet submarine industry from 1860's till late 1990's.

It offers systematic data on virtually every submarine that has been designed, built, upgraded or converted in the country, as well on projects that have been some reasons for never completed (this the first ever publication about abandoned projects). Altogether, the volume covers 196 submarine projects.

Each submarine project entry reveals:

- Principal performances
- Information on commissioning or design/construction stage at which the project was aborted
- Design bureaux and shipyards
- Numbers of submarines built, upgraded or converted under each project
- Chief designers

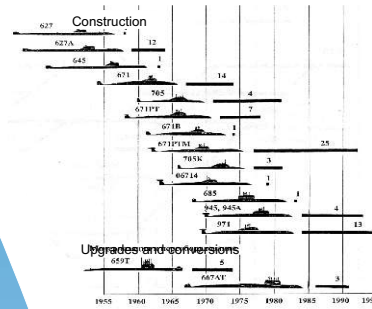
Illustrations include numerous diagrams, elevations, figures and photos of real submarines and models.

The publisher of this book is the Krylov Shipbuilding Research Institute and the text was prepared by staff members of this institution with valuable help from experts of Rubin, Malakhit and Lazurit submarine design bureaux and of the First Research Institute of the Russian Ministry of Defence.

The book is an album-size volume of 420 pages.

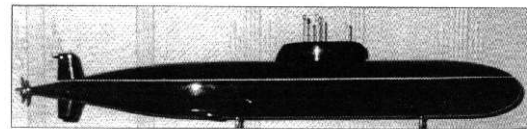
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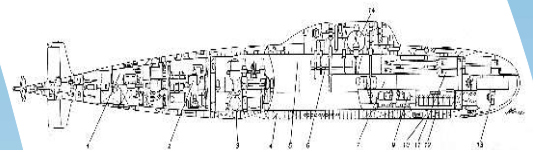


Nuclear torpedo and torpedo/missile submarine construction, upgrading and conversion

Submerged displacement, m3.....8 000
 Length overall, m.....about 110
 Beam overall, m.....about 12
 Draught, m.....about 8

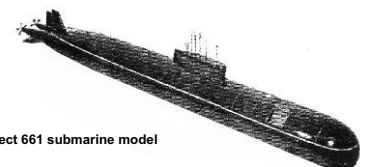


Model of a Project 945 submarine design option



Project 705 submarine elevation:

1- aft compartment; 2- aggregated steam turbine plant; 3- aggregated steam-raising plant;
 4 - pressure tanks; 5 - ECM suite; 6 - central control compartment; 7- living quarters;
 8 - reload torpedo; 9 - diesel-generator; 10 MBT; 11 - storage battery; 12 - torpedo tube;
 13 - bow sonar; 14 - pressure conning tower/surfacing chamber



Project 661 submarine model

