

Analyzing Russia's Nuclear Naval Fleet

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Abstracts

With the emergence of nuclear power as an alternate source of energy and for fuelling vehicles, there have been many countries that have started using nuclear power to power their marine forces. Russia is a leader in this field and has been using nuclear power to power its naval fleet for many years now.

Aruvian's R'search brings an analysis of Russia's Nuclear Naval Fleet in its research report Analyzing Russia's Nuclear Naval Fleet. The report begins with an overview of the country's nuclear naval fleet, classifying them into military and civilian based on vessel classes and generations.

Section C analyzed the various civilian marine reactors in Russia. These includes an analysis of the OK-150 plant, the OK-900 plant, and the KLT-40 plant, For each reactor type the report analyzes the reactor, the fuel used, and reaction control, along with the safety system in place and cooling circuit of each reactor.

Russia's floating nuclear power stations are known worldwide and no report is complete without an analysis of the same. Aruvian's report analyzes Russia's floating nuclear power stations in terms of technical features, fueling characteristics, major developers of the plants, and advantages of floating nuclear power stations. Safety issues are also touched upon.

Section E analyzes the military marine reactors in Russia in terms of reactor analysis, fuel analysis and reactivity control. The reactors analyzes include the VM-A Reactor System, the VM-4/VM-2 Reactor Systems, the OK-650/KN-3 Reactor Systems, and the RM-1 and VM- 40 A Reactor Systems.

Moving on, Section F analyzes the Russian expertise in nuclear-powered icebreakers. This section analyzes the various nuclear-powered icebreakers that Russia has,

including the supporting infrastructure required for the nuclear-powered icebreakers.

Section G analyzes the nuclear submarines in Russia. The section analyzes the submarines in terms of operational, under development, and the ones that have been decommissioned already.

The future of Russian marine nuclear systems with segmented analysis of civilian and military reactor types is analyzed in conclusion of the research report Analyzing Russia's Nuclear Naval Fleet.

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