

## Opportunities for Nuclear Power in Maritime Applications

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Nuclear-powered propulsion for civilian applications has been demonstrated with several cargo ships (NS Savannah, Otto Hahn, Mutsu). However, there was no subsequent commercial deployment, partly due to the lack of public acceptance, and partly due to the lack of clear economic advantage. Today, a large percentage of global freight transportation is performed by large container ships, bulk carriers and oil tankers, contributing up to 3% of human-generated CO<sub>2</sub>. With the growing climate change concerns, it is increasingly clear that nuclear power has to be part of the solution. Moreover, maritime nuclear power may be deployed as Floating Nuclear Power Plants (FNPPs) with their specific advantages (and challenges). The presentation will discuss innovative approaches to nuclear-powered commercial civilian maritime applications aiming to enhance their competitive attractiveness.

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