

Danskere udvikler en flydende lille atomkraftreaktor

Dec. 29, 2020 (EIRNS)—A Danish nuclear company, Seaborg Technologies, is developing a new type of 200-megawatt mini nuclear reactor to be installed on modular power barges. The Compact Molten Salt Reactors (CMSR) recently passed a feasibility test by the American Bureau of Shipping (ABS), which is an important milestone towards “our ambitious target to deploy the first commercial power barge by 2025.”

Seaborg’s Compact Molten Salt Reactor is designed for the special barges, for providing clean and affordable electricity worldwide. The power barge design enables configurations with two, four, six, or eight CMSRs, delivering up to 800 MW-electric or 2000 MW-thermal. The first power barges will have two reactors installed, delivering 2 x 100 MW-electric for the 24-year lifetime of the barge.

Seaborg is eyeing a market focus on growth regions such as South East Asia. The floating nuclear power barges will produce electricity for electric grids or hydrogen production. Alternatively, the power barge can deliver high-temperature steam, which can be used for process applications.

Although the feasibility test is an important milestone, it is only the first step in the ABS New Technology Qualification (NTQ) process—a five-phase process that aligns with product development phases. ABS will continue to evaluate the technology through the engineering, construction, and operation phases before it is deemed fit for navigation. [rap]

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