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Position:

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Abstract Title:

The Crucial Role of Small Modular Reactors in the Green Energy Future of the World

Abstract:

In a quest for deep de-carbonization, nuclear energy could play a crucial role as a long-term, baseload and dispatchable, option. A key area of focus is the evolution in nuclear technology. Beyond the existing model of large, light water reactors, deployed in a highly centralized electrical distribution architecture, the emerging smaller form factor of nuclear reactors could potentially offer significant benefits. It would allow the nuclear footprint to expand into developing markets, while offering a superior option for the developed markets. Labeled as Small Modular Reactors (SMR), these smaller reactors offer a very different approach to design, deployment and operation.