



Small, Advanced, and Micro Reactor Assessments

Commercial & Technical Analysis

UxC, LLC, the industry leader in global nuclear market analysis, is pleased to announce its new *Small, Advanced, and Micro Reactor Assessments* (SAMRA) special report. This report, published in October 2023, provides detailed profiles of the world's most promising new and advanced reactor designs along with cutting edge analysis of the viability of these technologies in the future energy marketplace.

The global energy markets are in an unprecedented state of flux, as technological, economic, environmental, and geopolitical factors are all pushing and pulling in different directions. In the midst of this upheaval, the nuclear power industry is undergoing a fundamental rethink about the best way to deploy new reactor technologies. One answer to the world's future clean energy needs comes from the evolving market for small, advanced, and micro reactors (SAMRs). Now is the time to evaluate these groundbreaking technologies and assess their future from every angle. Thus, UxC has prepared its new SAMRA report to determine which next-generation nuclear technologies will lead the way.



What will the future reactor look like?

UxC's SAMRA report aims to find answers to the following key questions:

- What are all the potential market opportunities for advanced nuclear in the future energy markets?
- How do the currently proposed SAMR designs stack up against each other?
- What factors will lead to different SAMRs being deployed in markets around the world?
- What does the deployment forecast range look like for SAMR designs through 2050 and what kind of market size does this equate to?

Unrivaled Market Credentials

UxC has been actively tracking the commercial reactor market for many years. Along the way, our team of analysts have been collaborating with international technical experts from industry and academia, who are authorities in reactor technology and design.

This collaboration has led to several groundbreaking studies, including a 2008 *Nuclear Reactor Technology Assessments*, 2010 *Small Modular Reactor Assessments*, 2011 *Post-Fukushima Report*, 2013 *SMR Market Outlook*. UxC also regularly tracks SAMRs in our *Nuclear Power Outlook* quarterlies and other products. UxC's SAMRA report builds on all these past efforts.

Why Buy This Report?

UxC's new SAMRA special report is the only publicly available study that includes independent comparative analyses of the world's SAMR designs. Additionally, this report presents constructive analyses and ideas for the future of this evolving and exciting new reactor sector. There are many uses for this study, including:

Detailed Technology Reviews:

- **Evolutionary SMRs:** BWRX-300, ACP100, RITM-200N, NuScale, Rolls-Royce SMR, etc.
- **Advanced Reactors:** HTR-PM, Natrium, Xe-100, KP-FHR, ARC-100, SSR-W, etc.
- **Micro-Reactors:** USNC MMR, Oklo Aurora, BANR, eVinci, Holos, SHELF, Kaleidos, etc.

- Reactor vendors can compare their strengths and weaknesses with those of direct competitors.
- Utilities and other potential customers can evaluate how various reactor designs fit their needs.
- Government agencies, regulatory bodies, international institutions, and research organizations will become more educated on reactors.
- Investors will gain unique insights into the advanced nuclear energy market sector and the prospects for individual reactor suppliers.
- Reactor supply chain companies and fuel cycle suppliers can evaluate the potential opportunities to participate in future projects.



Purchasing Information

UxC's SAMRA special report is now available for purchase. For additional information, contact Jonathan Hinze at: jonathan.hinze@uxc.com.

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