

Nuclear New Build and Export Opportunities with Russia

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Abstract

1. Overview of Rosatom's Business

- Rosatom is the most active nuclear vendor in the world as well as in uranium enrichment, and holds 17% of the world's nuclear fuel market.
- Rosatom has a \$70 billion dollar portfolio with projects ongoing in over 40 countries.
 - 55 VVER units in operation around the world, 18 in the EU, and 15 VVER units currently under construction in China, India, Russia, Slovakia and Ukraine.
- Rosatom involved in all aspects of nuclear, from uranium supply to NPP construction, operation and decommissioning.
 - Activities include infrastructure (nuclear infrastructure development, governing and regulation, technical consulting, NPP operation, staff training); energy solutions (large capacity NPP, small capacity NPP, floating NPP, energy cluster); financing (debt financing, equity financing); and back end (interim storage, reprocessing).

2. New Build Projects

- Importance of the global supply chain for Rosatom.
- EPC, BOO (build-own-operate) and BOT (build-operate-transfer) Contract models.
- Local supplier: local share in equipment and services supply amounted to 20% in Loviisa (Finland), 39% in Kudankulam (India), and will be up to 70% for new proposals in EU countries.

3. Supply Chain

- The road map to become a Rosatom supplier has three phases:
 - Phase I (MoU and Supply Chain Concept),
 - Phase II (Contracting), and
 - Phase III (Certification and First Delivery).
- Rosatom's supply chain concept is aimed at mapping technology/production capabilities and requires the active participation of Rosatom and European companies.

