Reactor Decision Assessment Platform

Smart Power, Secure Future
Nuclear Decisions Made Clear



The Challenge

Small Modular Reactors (SMRs) are rapidly being developed with little guidance on implementation.

Leaders need better, faster information to evaluate facility availability, potential reactor types, and necessary vulnerability reductions to make data-driven decisions when deploying nuclear power at Department of Defense (DoD) installations. Achieving DoD's resilient energy goals, while reducing dependence of offsite energy won't be possible without implementing nuclear energy. Current methods for this involve:

- 400+ page documents
- Subject matter experts and analysts sifting through large amounts of data
- Siloed efforts for domain analysis that rely heavily on academic studies

The Solution

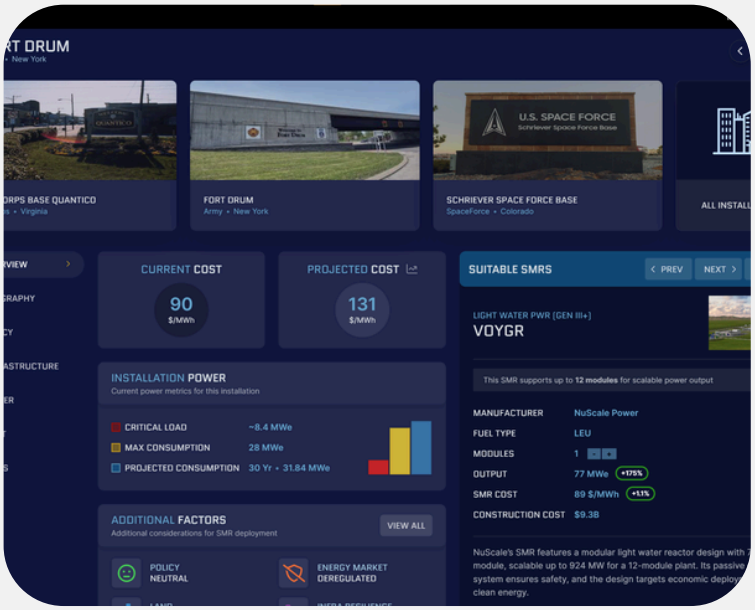
Introducing a platform that enables data-driven decisions for implementing nuclear power.

The Reactor Decision Assessment Platform (ReDAP) offers a place to view all factors for decision making for SMRs. With ReDAP, you can view:

- Current and projected energy needs and cost of an installation
- Critical infrastructure to both installation and branch
- Local nuclear policy
- Briefings for all SMRs in development and their outputs
- Suitable SMR Models based on installation factors

Noblis has deep roots in a sustainable and resilient energy infrastructure

The Noblis Sustainability and Resilient Infrastructure Center of Excellence focuses on developing innovative solutions for energy assurance and resilience. We bring extensive experience in analyzing and optimizing energy systems for military installations, with expertise in SMRs, microgrids and renewable energy integration.



Working with Noblis

In addition to be deemed awardable by DARPA ERIS, Noblis is also available through the following GSA vehicles:

- OASIS+
- MCDC Consortium
- CWMD Consortium
- SEAPORT-NxG
- CEED OTA



About Noblis

Noblis is a nonprofit science and technology organization delivering innovative solutions to the federal government that enrich lives and make our nation safer. As a nonprofit organization, we work objectively for the public good and invest in breakthrough solutions to deliver lasting impact on our customers' missions with a strategic focus in the areas of health, space, national security and critical infrastructure. Our domain experts advance technologies such as artificial intelligence and advanced analytics, applied and environmental sciences, modeling and simulation, cybersecurity, autonomous systems and systems engineering.

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