



TRISO-X: The next generation of Nuclear energy starts here.

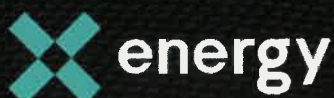
The TRISO-X Fuel Fabrication Facility in Oak Ridge, Tennessee will be a first-of-a-kind US Nuclear Regulatory Commission (NRC) Category II licensed TRISO-based fuel fabrication facility. The facility will utilize uranium enriched to less than 20 percent to manufacture nuclear fuel products for a variety of advanced and small modular reactors, plus specialty fuels for space nuclear projects.

“The fuel TRISO-X will produce in our Oak Ridge facility will build a more robust and secure nuclear energy supply chain. We are proud to be leading the commercial development of this safe, innovative technology and that it will be among the first advanced nuclear fuels demonstrated in a grid-scale next-generation reactor.”

Joel Duling
President
TRISO-X, LLC

“TRISO-X will be the nation’s first commercial scale facility dedicated to fueling reactors that require high-assay low-enriched uranium TRISO particles. It’s a job creator and an advanced reactor enabler that will help fuel a transition to a net-zero economy.”

U.S. Department of Energy





“TRISO particles are **the most robust nuclear fuel on earth.**”

- U.S. Department of Energy

Tri-structural isotropic (TRISO) fuel was developed and has been improved over the past 60 years. It is a robust nuclear fuel that can withstand extremely high temperatures without melting – which is key to its safety.

The fuel to be produced at TRISO-X’s Oak Ridge, Tennessee, facility will be used in X-energy’s Xe-100 high temperature gas reactors, and other advanced reactors around the country.

TRISO-X is a wholly owned subsidiary of X-energy, a nuclear innovation company focused on next-generation, zero-carbon nuclear energy. Based in Rockville, Maryland, X-energy designs and deploys advanced nuclear reactors and manufactures its proprietary TRISO-X fuel to improve the delivery of safe, affordable energy to people around the world.

