

Nuclear energy is experiencing historic growth—uranium is essential!



The global uranium market is experiencing a significant primary supply deficit. Demand for uranium is set to rise significantly.

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Global demand for reactors is high, and the uranium market is out of balance. According to the World Nuclear Association, uranium demand for nuclear reactors will rise by at least 30 percent in the coming years. Shortages are expected to occur starting in 2030. The U.S., for example, is dependent on uranium imports from Russia. Although there is an import ban, there are exceptions and workarounds. Nuclear energy is being used more widely again, as climate goals cannot be achieved without nuclear power. Population growth and rising energy demand are additional factors.

Uranium is used not only in nuclear power plants, but also in the military, medicine, industry, and other sectors. There are ship propulsion reactors, and uranium is also used in radiation shielding, special alloys, and analytical instruments. Nuclear techniques are also applied in food and agriculture to enhance plant safety, sustainability, and effectiveness. For instance, nuclear techniques contribute to food security through pest control and the breeding of resilient plants.

For example, insects are sterilized using radiation, preventing them from reproducing and thereby eradicating destructive pests. This has already been successfully implemented in the Dominican Republic. And in Namibia, farmers are using a nuclear-based irrigation method to increase crop yields . Of course, these are just a few examples of the many applications of uranium. Nuclear power generation remains the rapidly growing source of demand. Uranium companies should certainly benefit from the rising demand for uranium.

Uranium Energy (- <https://www.commodity-tv.com/ondemand/companies/profil/uranium-energy-corp/> -) owns diversified uranium reserves as well as ISR uranium projects in the U.S., with additional projects in Canada. Uranium mining, processing, refining, and conversion are part of its business. The company is debt-free. With the start of production at the Burke Hollow property, the company now operates two of its three ISR production platforms in the U.S.

Uranium Royalty (- <https://www.commodity-tv.com/ondemand/companies/profil/uranium-royalty-corp/> -) is a unique opportunity for investors seeking diversification, as it is the only royalty company in the uranium industry. Uranium Royalty focuses on strategic investments in uranium interests—including royalties, streaming rights, debt and equity in uranium companies, and physical uranium transactions. The company will be acquired by Sweetwater Royalties under the umbrella of a newly established parent company. This will significantly expand and diversify Uranium Royalty's portfolio.

Current company information and press releases from Uranium Royalty (- <https://www.resource-capital.ch/de/unternehmen/uranium-royalty-corp/> -) and Uranium Energy (- <https://www.resource-capital.ch/de/unternehmen/uranium-energy-corp/> -).

Further information is also available in our new Uranium Metal Report at the following link: <https://www.resource-capital.ch/de/reports/ansicht/uran-report-2025-04/>

Sources: Uranium Royalty, Uranium Energy,
<https://www.iaea.org/newscenter/news/five-ways-nuclear-science-helps-protect-our-crops>;
<https://www.businessresearchinsights.com/de/market-reports/uranium-market-108712>;
<https://www.resource-capital.ch/de/reports/ansicht/uran-report-2025-04/>.

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