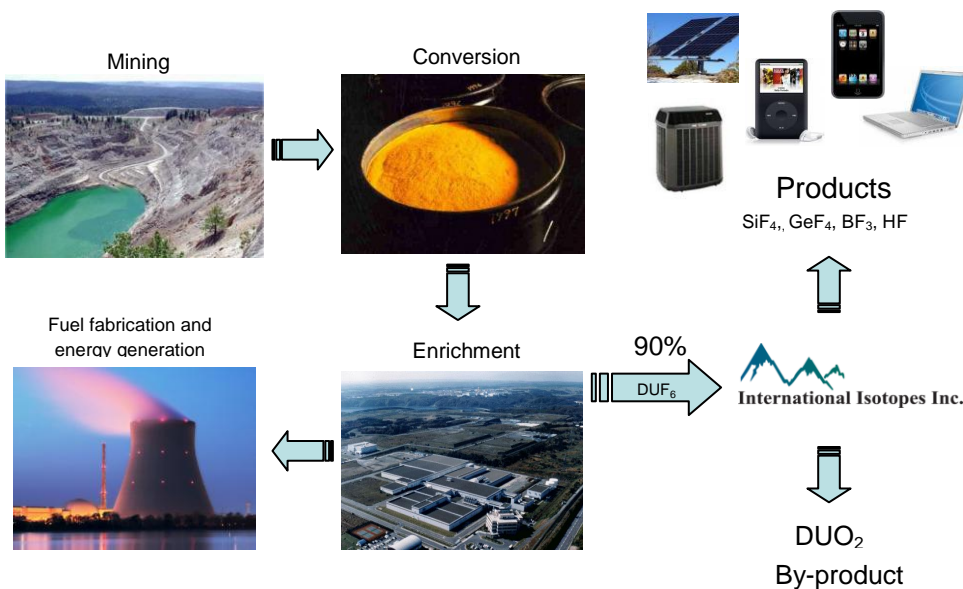


## Project Overview

International Isotopes Inc. (INIS) has selected a site about 15 miles west of Hobbs, New Mexico for the construction of a depleted uranium hexafluoride (DUF6) de-conversion and Fluorine Extraction Process (FEP) facility. This is an environmentally and economically sound process that will produce important products for many technological and alternative energy applications.

The INIS de-conversion process will convert the DUF6 byproduct from uranium enrichment operations into depleted uranium tetrafluoride (DUF4). INIS will then use its patented FEP technology to extract fluorine from the DUF4 for use in the manufacture of specialty, high-value fluoride gases. High purity fluoride gases are in ever-increasing demand for ion-implantation or chemical vapor deposition processes for microelectronics manufacture, high purity silicon for solar cells, and production of organic complexes for the petroleum industry.



The de-conversion and FEP facility constructed by INIS would be used to process depleted uranium hexafluoride produced from uranium enrichment facilities. New uranium enrichment facilities are under construction in Ohio and New Mexico and two other facilities are planned for construction in Idaho and North Carolina.

Other products generated by the de-conversion of depleted uranium include anhydrous hydrofluoric acid (AHF) and depleted uranium oxide. The AHF is in high demand for many commercial applications and INIS will sell this by-product to the commercial markets. The depleted uranium oxide would be disposed of as low-level radioactive waste.

INIS has constructed a high purity fluoride gas production and analysis facility in Idaho. The FEP facility in Idaho has been operated since 2006 under a license with the U.S. Nuclear Regulatory Commission for operations testing of FEP processes.

