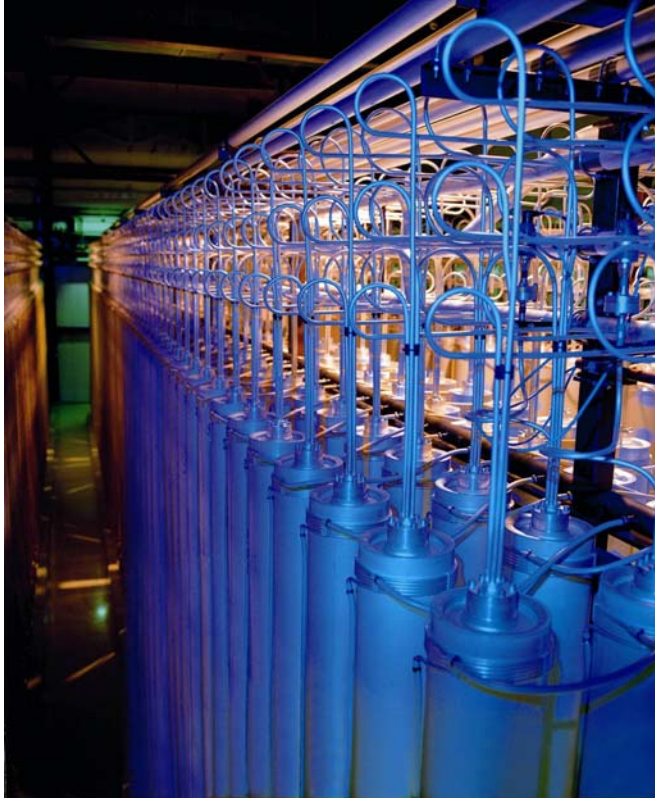


Isotope production and development at URENCO

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Summary of the presentation

During this presentation you will get a more detailed knowledge of URENCO and the enrichment process. Some of the products of stable isotopes will be presented in more detail. Besides the applications, also the development path and production chain will be highlighted.



URENCO

URENCO is an independent, global energy and technology group. It operates from plants in Germany, the Netherlands and the United Kingdom, using its own centrifuge technology. Its focus is on providing safe, cost effective and reliable uranium enrichment services for civil power generation within a framework of environmental, social and corporate responsibility. Its goal is to further increase worldwide market share and to become the leading supplier in the extended global enrichment market.

URENCO Stable Isotopes

The advanced centrifuge technology used and owned by URENCO is the result of over thirty years of continuous development. Due to its versatility, application of the gas centrifuge is not limited to the separation of Uranium isotopes: it is also employed for the

separation of other isotopes. The production of these stable isotopes started as a diversification project at the URENCO enrichment plant in Almelo, the Netherlands in the early 1990s. The stable isotopes produced by Urenco are applied worldwide, both for medical and industrial use.

Urenco Stable Isotopes has the facilities, personnel and resources to supply a wide range of isotopes to numerous clients in industrial, medical and research markets from its four dedicated cascades. Among these are isotopes of Zinc, Cadmium, Iridium, Selenium, Tellurium, Germanium, Titanium, Tungsten and Molybdenum. Urenco can deliver isotopes in many different chemical forms such as oxide, chloride, fluoride or elemental. Besides the established markets, new applications are created, thus continually expanding our product portfolio.

Development

An important object for Urenco is to participate in the development of new application areas where feasible. Development of new applications requires good cooperation and tuning between client and producer, both commercially and technically.

Applications

Three segments of medical markets are currently being served by Urenco: Diagnostics, Brachytherapy and Pain Relief.

Urenco's main industrial isotope is Depleted 64Zinc which is used widely in the nuclear industry.

Non-Destructive Testing (NDT) Sources in gamma cameras is an important and slightly growing application of radioactivity. Urenco's depleted 95Molybdenum is used in the experimental process of transmutation of the long-lived radio-isotopes, which are present in spent nuclear fuel.