

Annual global production (2022) **36 tonnes**

Estimated share of our stock in global annual production **0.8 %**

Estimated increase in demand **> 10 % p.a.**

Global reserves **unknown**



HAAFNium

Technology metals

72 178.486

Hf

Hafnium

 NOBLE BC

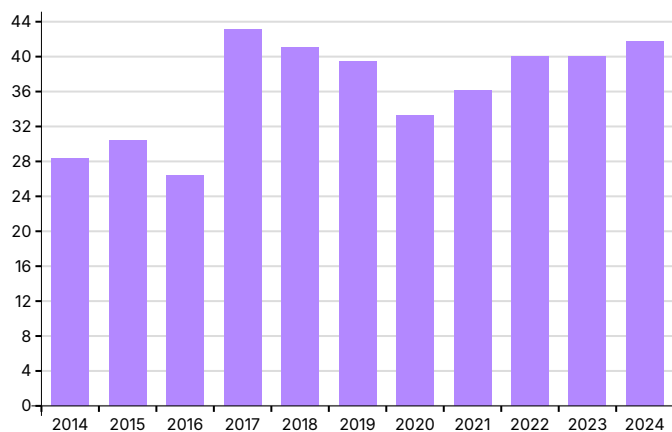
Uses

- Superalloys
- Plasma cutting tips
- Optical applications
- Chemical vapour deposition
- Nuclear technology
- Catalysts
- Catalytic converters
- Applications in cancer therapy

The fastest jets are often subjected to the highest thermal stresses, which is why many manufacturers rely on a special material: hafnium alloys. With a melting point of 3,958 degrees Celsius, it is the frontrunner among our technology metals. However, hafnium is also used in medicine: when introduced into cancer cells, it makes them more susceptible to radiation.

Hafnium is extracted from zirconium ore. Production has, however, been stagnating for some time and has even been declining slightly since 2018. The resulting decline in stock levels will lead to higher demand for hafnium in the future.

Production volumes in tonnes



Price trends

