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Population density 100

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A reactor based on a molten fluoride salt





The Compact Molten Salt Reactor (CMSR)

1. Cannot be used for nuclear weapons

2. Burns waste from conventional reactors

3. Cannot melt down or explode







A reactor based on a molten fluoride salt

Conventional nuclear Safety systems – safety by engineering



Molten salt reactors Inherent safety – safety by physics



Reduces sources of failure and release mechanism

Eliminates dispersion mechanisms

Recycling spent fuel and flexibility to use Thorium



MSRE 1960's - moderator challenge



IRRADIATION DAMAGE IN GRAPHITE

Neutron irradiation alters the physical properties of graphite, but the dimensional changes that occur^{16,17} are of major concern. These

Proprietary graphite-less design, unequaled longevity and economy













London double-CMSRNuScale LWRTE IMSRWestinghouse LWRdecker bus100 MW_e70 MW_e125 MW_e225 MW_e



Seaborg Technologies

Currently 28 employees and hiring.

• Incl. 10 PhDs and people from 5 continents.

Looking for €25m for next round

We are a talent magnet and the leading tech contester (outside the Great Wall):

- World leading in MSR physics.
- Chemical experiments started.
- Licensing process initiated.

Based in Copenhagen, Denmark.

