

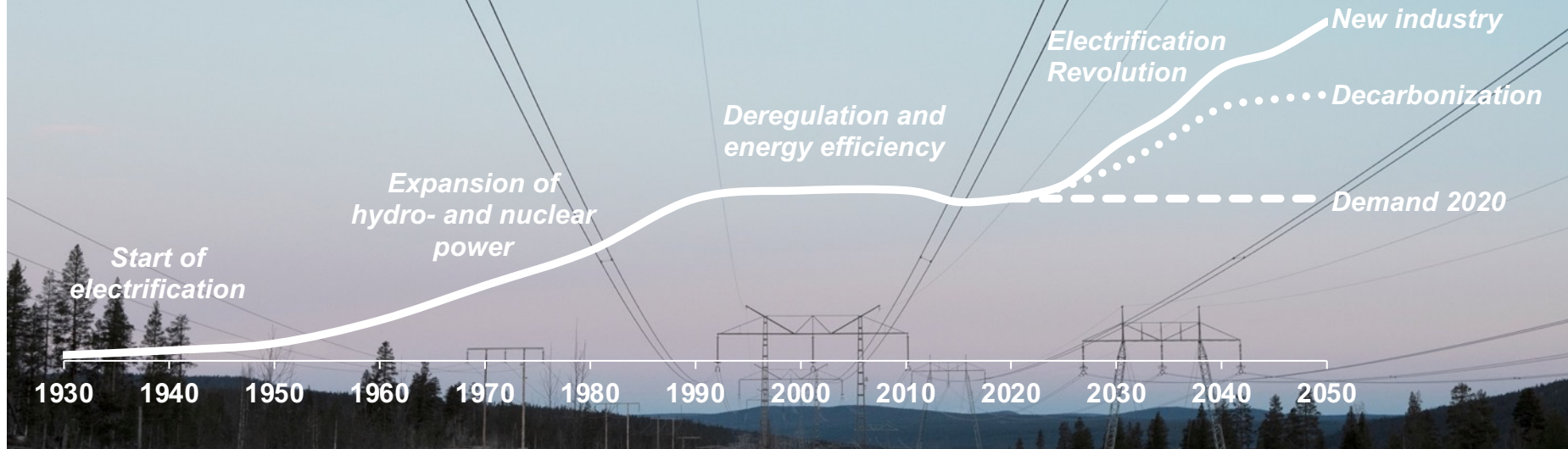


SMRs role in fossil free living within one generation

Torbjörn Wahlborg

Electrification will be the biggest transformation in society since the industrial revolution

Historical and forecast electricity demand in Sweden





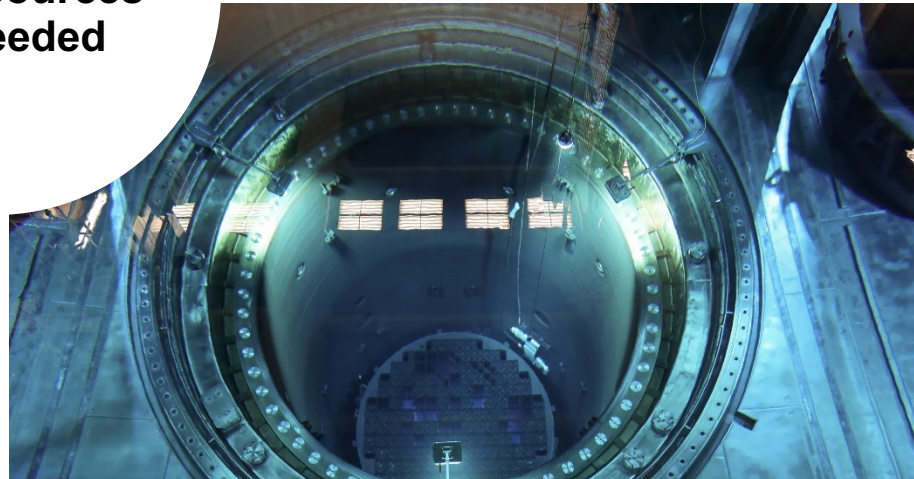
**Electrification
begins now**

**Industry can't wait
for new capacity**

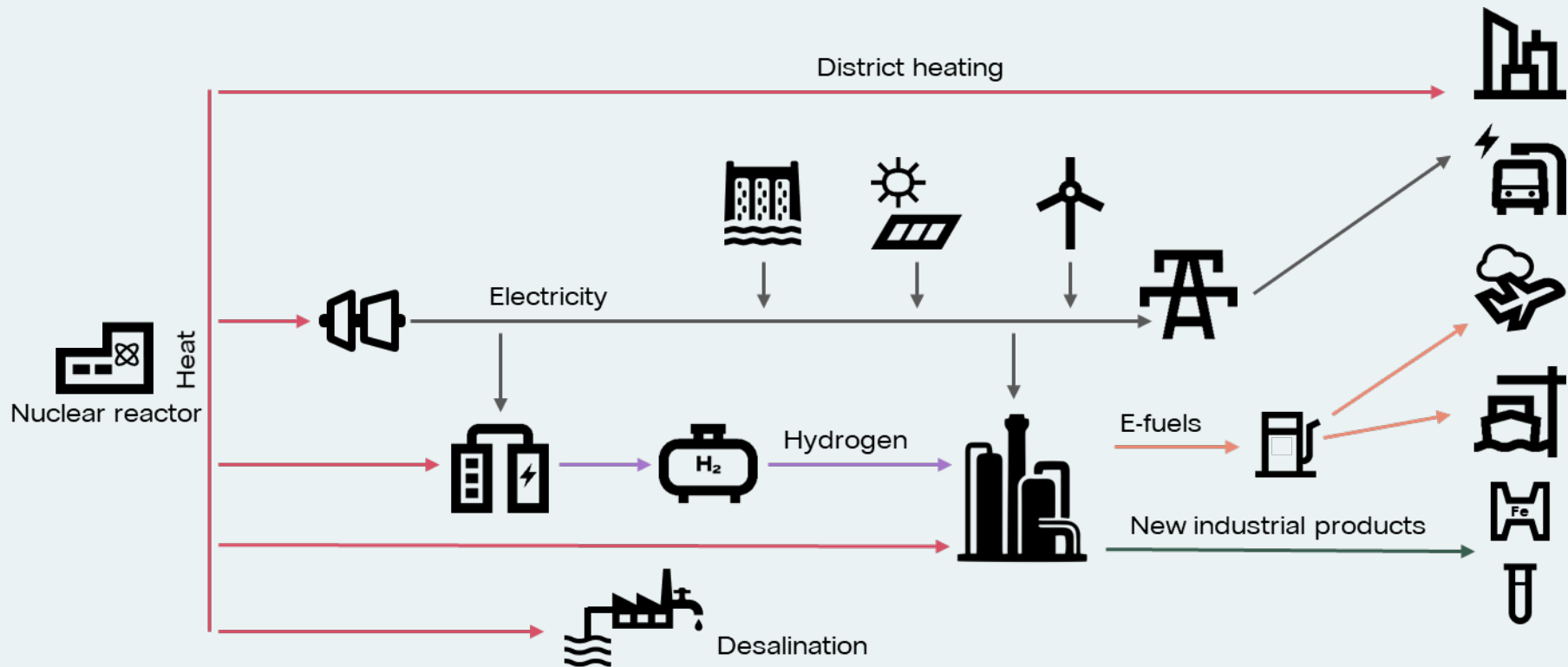




**All fossil-free
power sources
are needed**



SMR integrated into a future energy system



Advantages with SMR

Compared to large traditional nuclear power plants



**Less
financial
commitment**



**Simplified
design**



**Shorter
project**



**Passive
safety**



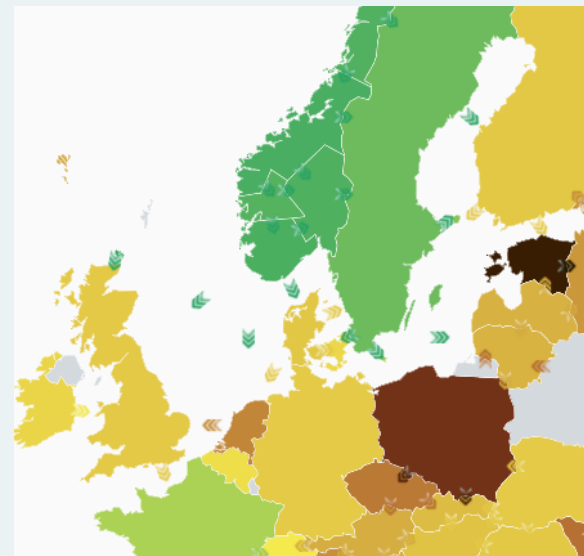
**Flexible
integration**



**Production in
series**

Vattenfall cooperation with Fermi

- Successful collaboration between Fermi and Vattenfall.
- Vattenfall minority owner, active partner, strategic advisor
- Sharing critical know-how on emerging technology
- In line with Vattenfall's vision of a fossil-free life within one generation



<https://app.electricitymap.org/map>

