

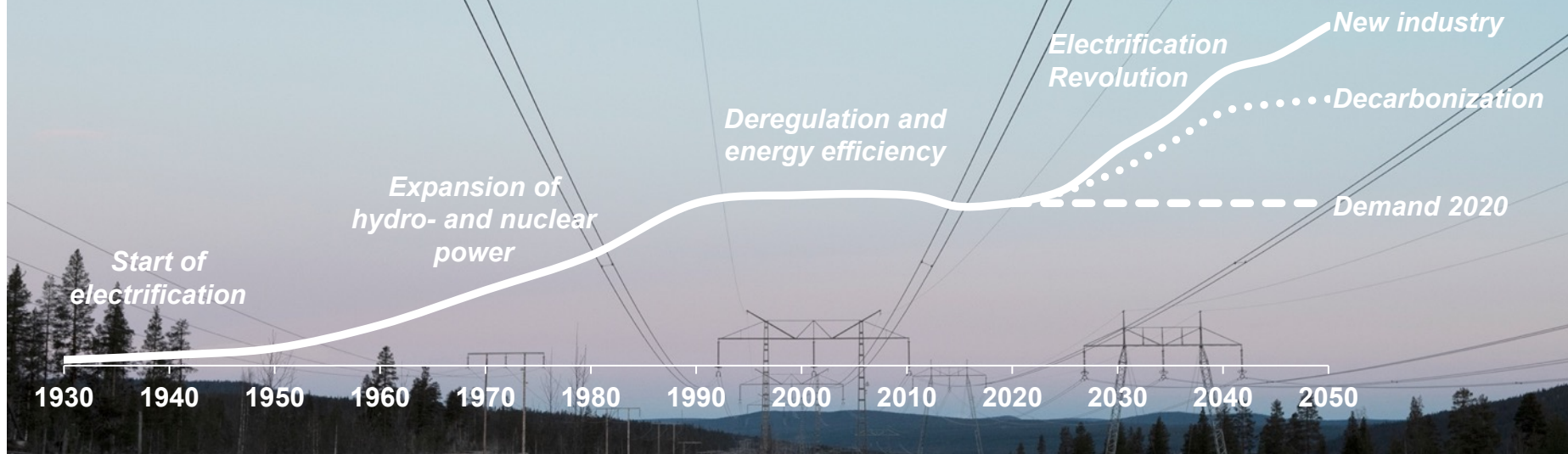
An aerial photograph of a large industrial power plant, likely a Vattenfall facility, situated in a snowy, forested landscape. The plant features a prominent tall chimney and several large, light-colored buildings. The surrounding area is covered in snow and dense evergreen trees. The sky is overcast.

Fossil free living

Desirée Comstedt
Vice President Fleet Development

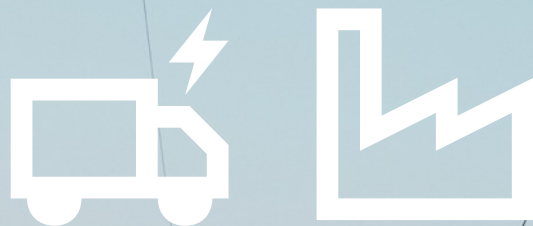
Electrification will be the biggest transformation in society since the industrial revolution

Historical and forecast electricity demand in Sweden



The Swedish Electrification Revolution

Three phases



Transport and
first movers in industry

2020

2030

The Swedish Electrification Revolution

Three phases



All industries

2030

2040

The Swedish Electrification Revolution

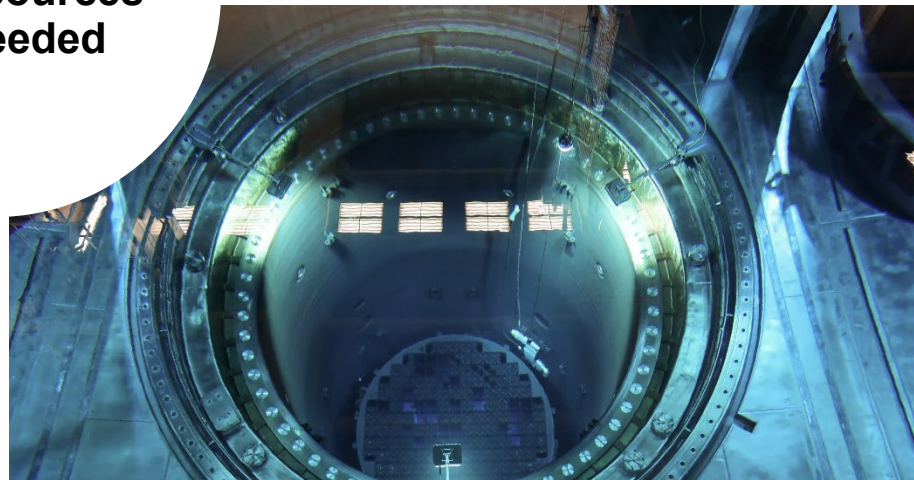
Three phases



Continued electrification,
global climate impact

2040

2050



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



**Electrification
begins now**

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



**Grid
extension
are urgent**

Our proposed actions to succeed



Supply chain

We need defined supply chains that are standardized and experienced that can deliver the projects



Permits

If the promises of SMR's are to be achieved, the licensing effort must decrease as reactors of the same design are built



Competence

The transformation of the energy system will need different engineering skills not only nuclear specific

What we do

**Feasibility study
SMR at Ringhals**

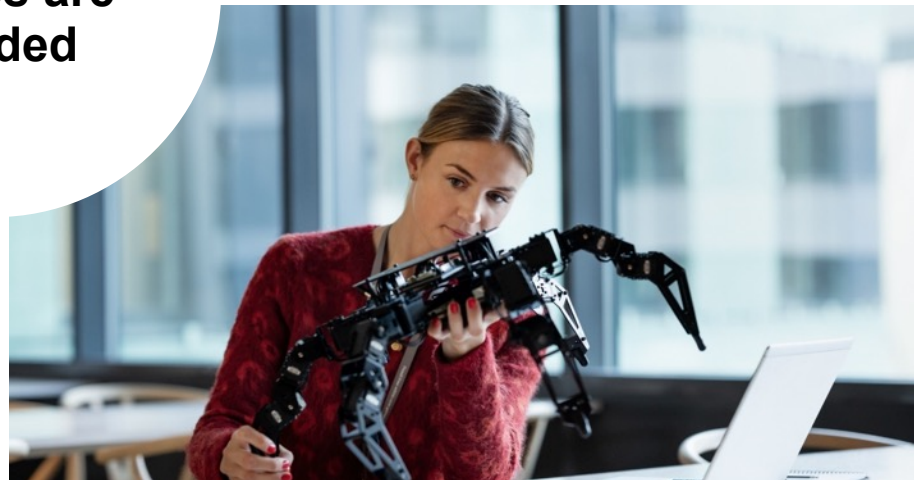
FERMI

ANItA

**Vattenfall
Nuclear
Solutions**



**More climate
heroes are
needed**



VATTENFALL

