

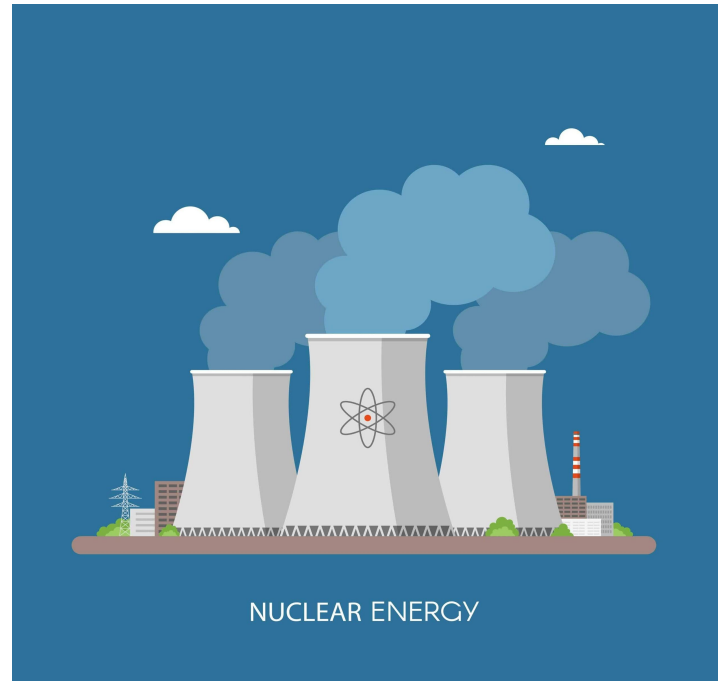
Nuclear Energy



Norway

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What is nuclear energy?

- Best way to make electricity
- Heat, turbines and steam.
- Make and uses nuclear reactions.
- Uranium and plutonium.
- 10 % global electricity.

Government's view

- Hydroelectric power
- NVE
- 1978, 1979
- Three Mile Island- accident
- 1986
- https://snl.no/kjernekraft_i_Norge



Student's view

Questions I asked an average Norwegian student:

- In 1969 nuclear energy was put on the agenda by the Norwegian government, because of uncertainty in relation to hydropower. Do you think they made the right choice?
- In those days the government stated that nuclear energy was an interesting economic option, do you agree in their evaluation?
- In 1776 the government created a committee to have responsibility for safety at nuclear energy stations, do you think this was necessary?
- In 1986 the government expressed that nuclear energy was not a relevant energy resource. Do you think they made a resolution too fast?

Pros

- No greenhouse gas emissions
- Low costs
- High energy density
- Support power needs



Cons

- Nuclear Waste
- Accidents
- Weapons



History

Norway has no running nuclear energy plants today, but started early to plan for the future use of nuclear technologies. The institute for atom energy was established in 1948.

The first nuclear reactor was built and running in Norway as early as 1951 at a time when only Canada, US, Great Britain and France had built their own reactors.

Norway's second reactor was ready in 1958. It produced process heat for the Forest Industry, but was run as an international coop project which main goal was to be certified for security in nuclear reactors.

All together this contributed to building a substantial knowledge within nuclear energy and engendering techniques.

4 reactors

JEEP I -1951-1966

Haldenreaktoren 1958-

NORA -1961-1968

JEEP II -1967-



Jeep 2 in Kjeller

Sources:

- <https://www.aftenposten.no/norge/politikk/i/Eoye5/Hoyre-og-Frp-Norge-ma-bidra-til-mer-kjernekraft>
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Thank you for your attention!