



HISTORY GROUP

2 0 2 3



ITER

ITER



Simon Persson
Vattenfall



Chloé Bezin
Westinghouse



Jimmy Jacobsson
Oskarshamn



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Vattenfall

Studsvik

1. Visit to labs. for mechanical tests and corrosion/water chemistry

- Fuel cladding
- Plant life management

2. Hot cell – lab.

- physical testing and inspection of nuclear fuel and materials

Decommissioning and
Radiation Protection Services

Fuel and Materials
Technology

Isotopes

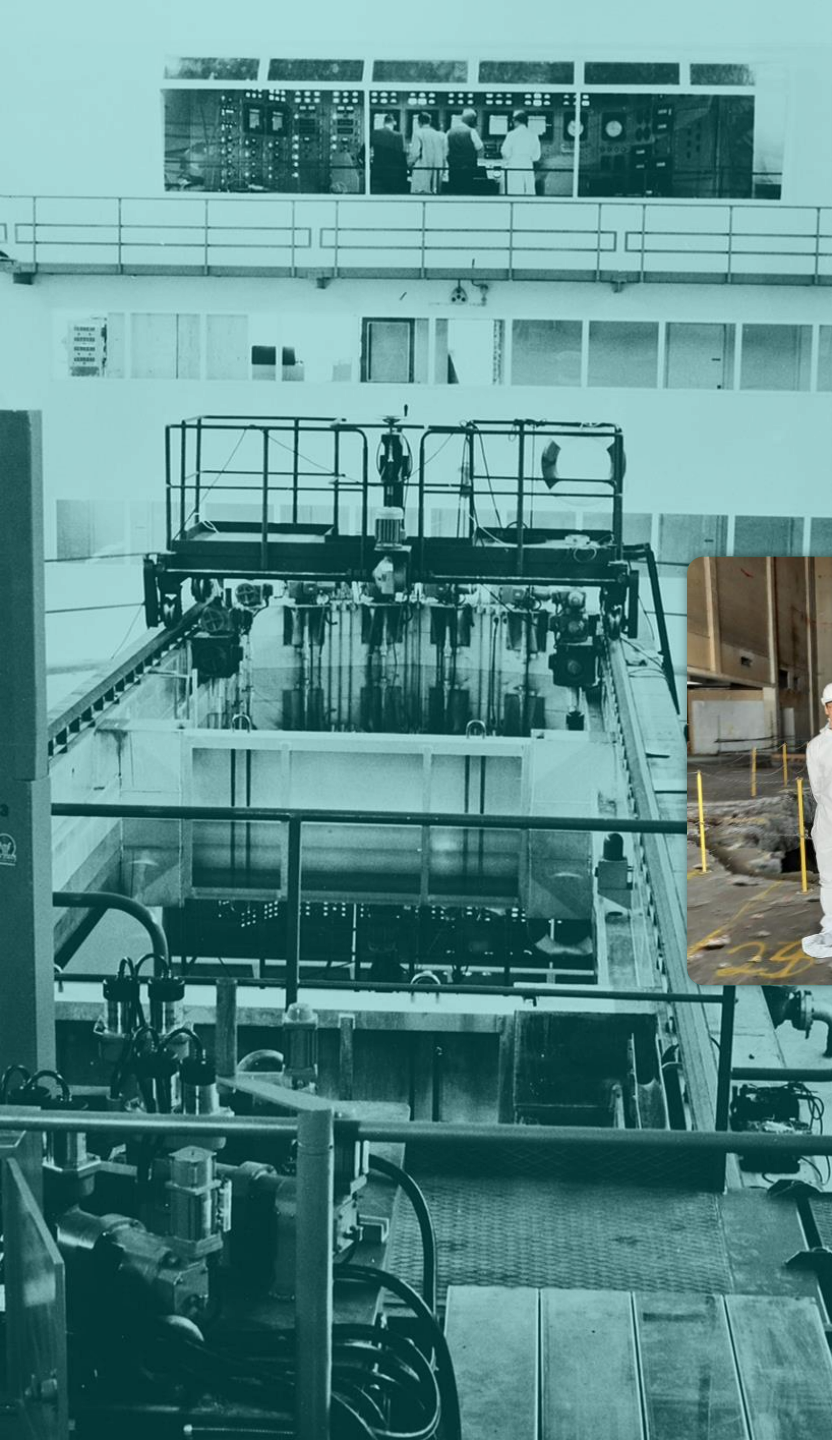
Nuclear Simulation Software

Waste Management
Technology



Waste treatment for national and international customers

Tour of the metal treatment facility
- large components from O1/O2 and OL



Detailed tour of:

- how the nuclear waste on Studsvik has been taken care of
- R2 reactor





Oskarshamn

Tour of O1 and O2 during decommission and dismantling of both plants



Cadarache

LECA-STAR

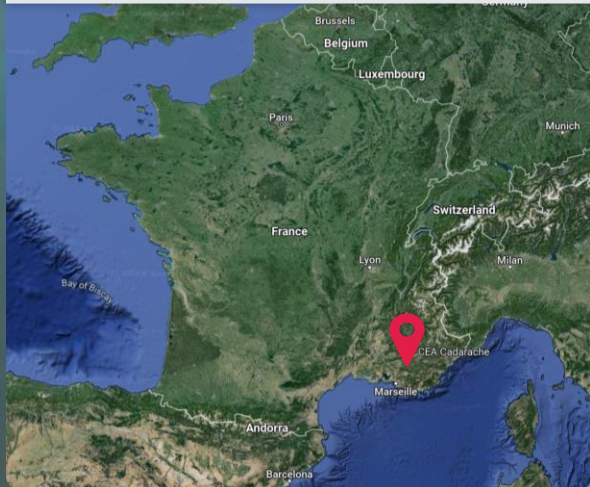
- Hot Cell lab. for fuel and material research

PLINIUS

Severe accidents testing platform:
- Experiments with depleted Uranium
- Up to 100 kg of Corium
- Study on steam explosions during reactor pressure vessel rupture

JHR

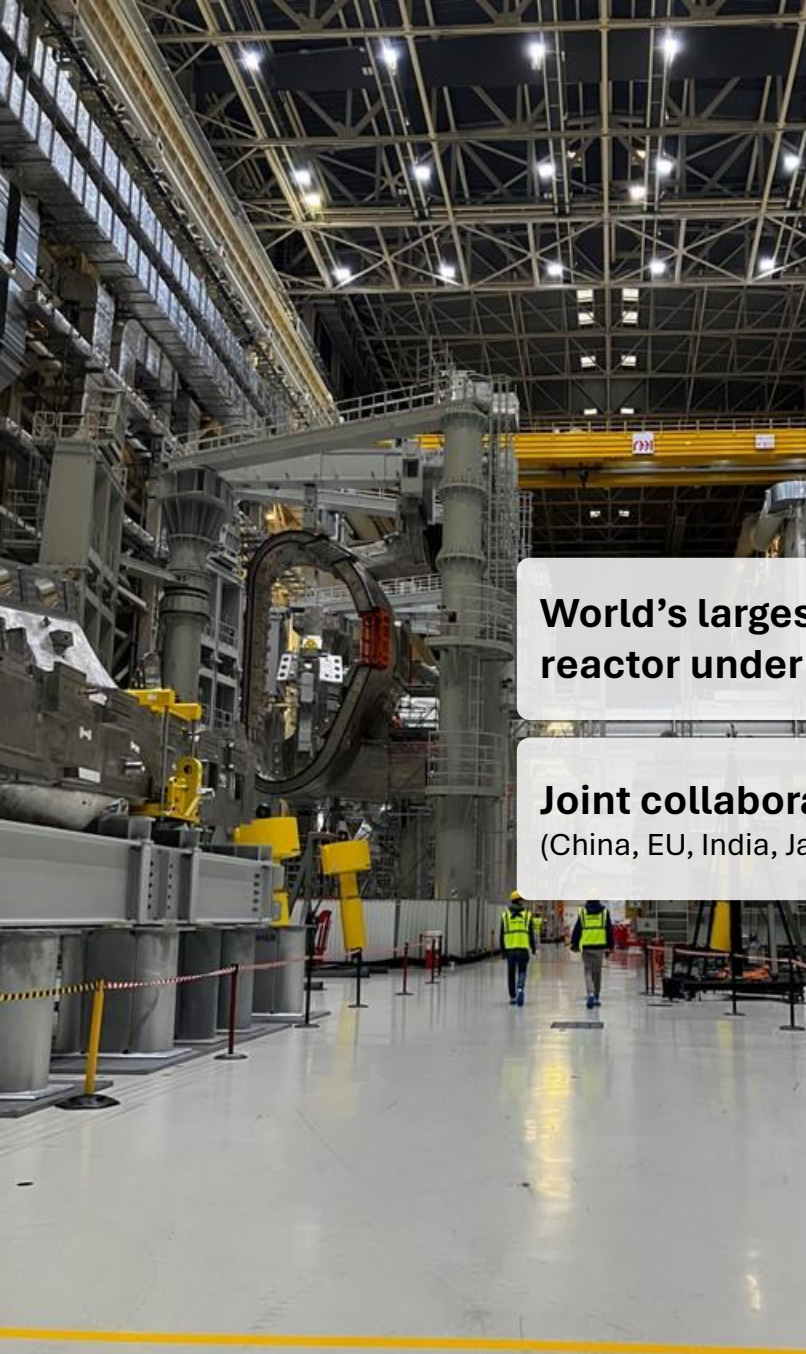
Jules Horowitz Reactor – new research reactor under construction



PLINIUS



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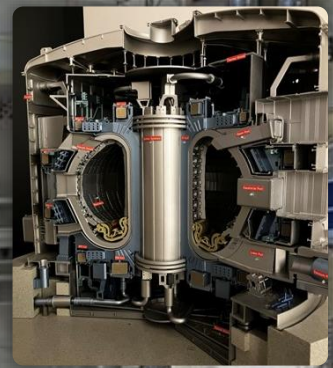


World's largest TOKAMAK fusion reactor under construction

Joint collaboration of 35 nations
(China, EU, India, Japan, Korea, Russia, USA...)

Goals:

- 500Mw fusion power generation
- Sustained fusion conditions & Tritium generation
- Demonstration of the operation of technologies for a fusion power plant and its safety



THANK YOU

