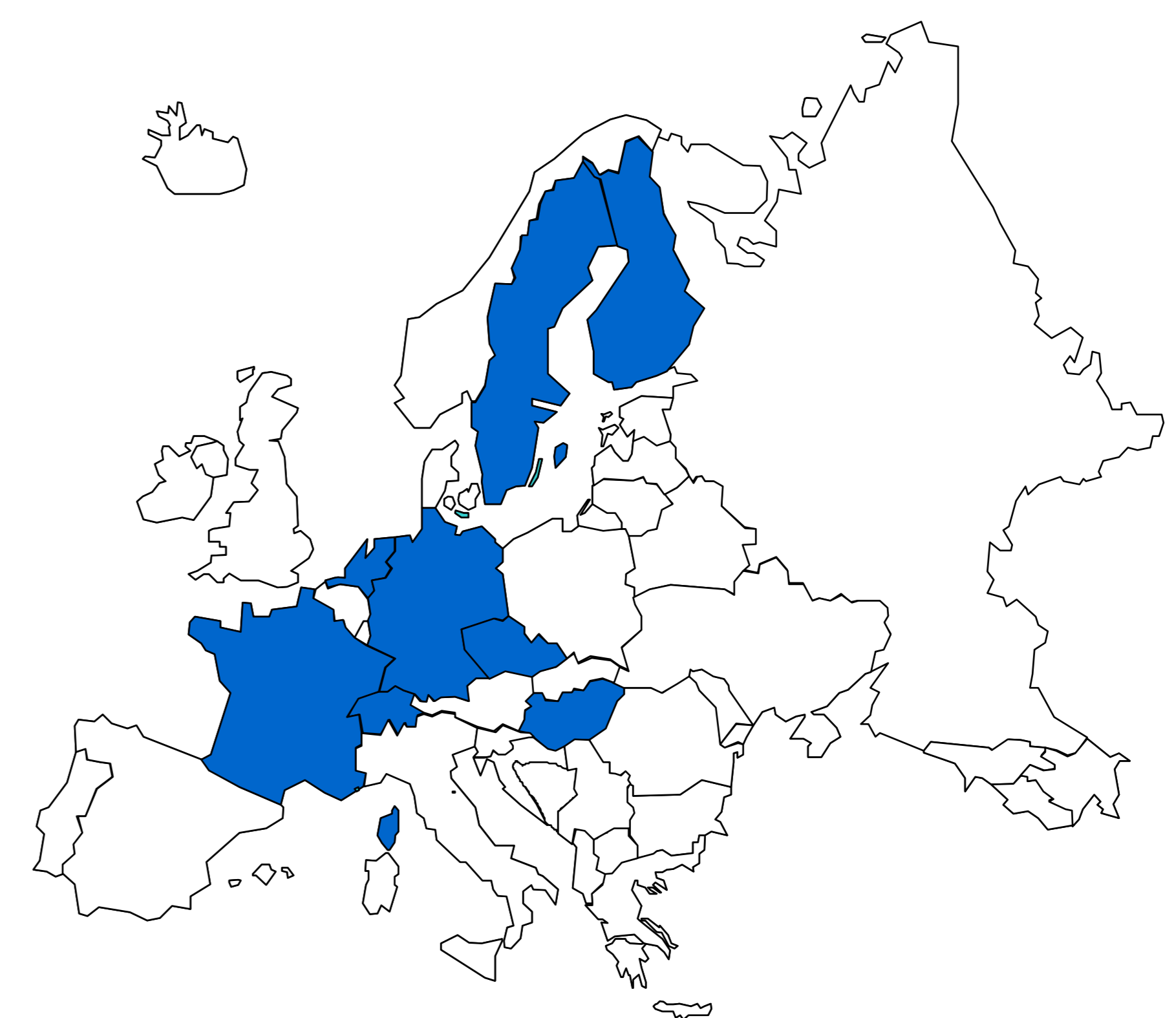




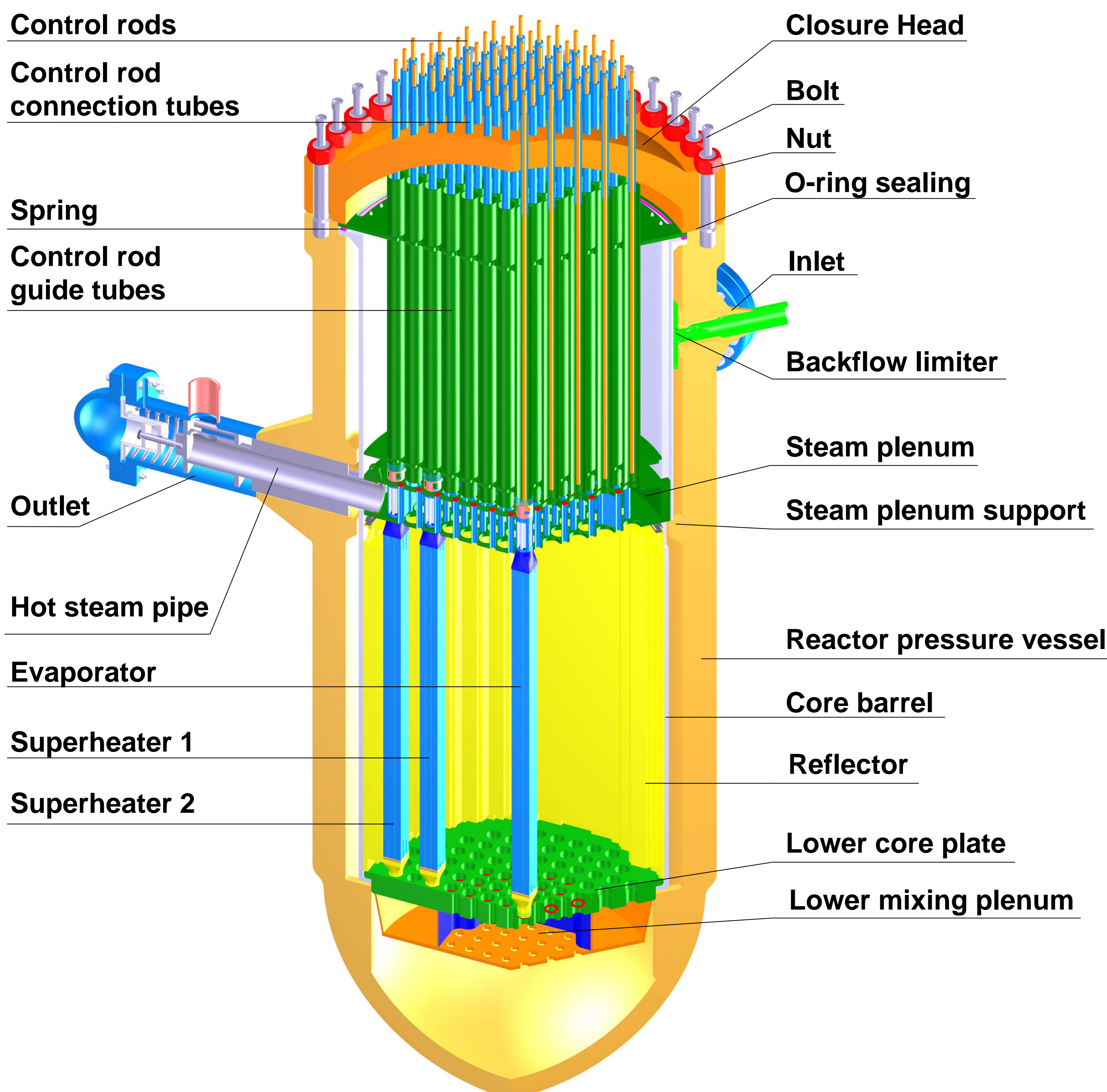
High Performance Light Water Reactor Phase 2 (HPLWR Phase 2)

Objectives: Assessment of the HPLWR concept to determine its future potential in the electricity market

Partners and Active Supporters:



HPLWR Technical Data:



Technical Data:

Thermal power	2280 MW
Net electric power	~1000 MW
System Pressure	25 MPa

Core:

- Inlet temperature	280°C
- Exit temperature	>500°C
- Active Length	4.2 m
- Diameter	3.7 m
- Fuel	UO ₂ / MOX
- Burnup	60 GWd/t

Reactor pressure vessel:

- Total height	14.3 m
- Inner diameter	4.5 m
- Wall thickness (cyl.)	0.42 m

Safety systems

active and passive