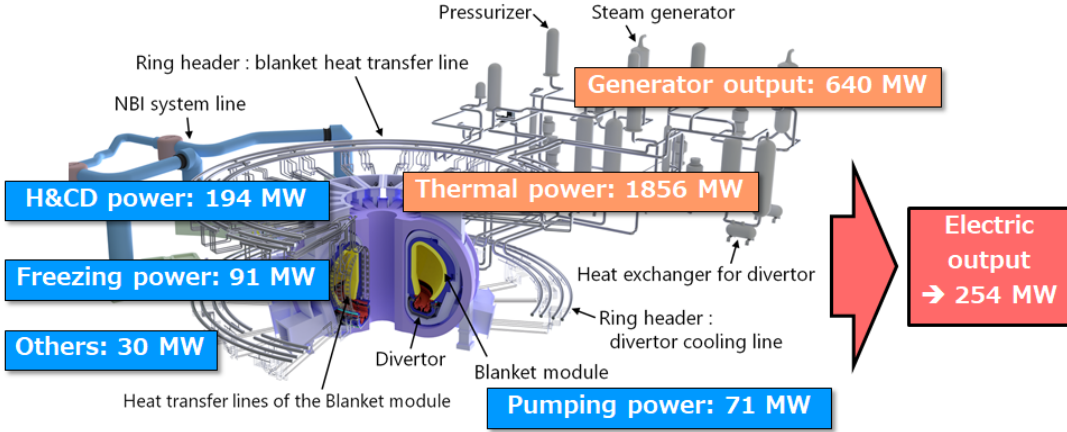


✓ **Steady and stable power generation beyond several 100 MW**



◆ **Primary heat transfer system**

- PWR: 15.5MPa, 290~325°C
- **Electric output: 254 MWe**

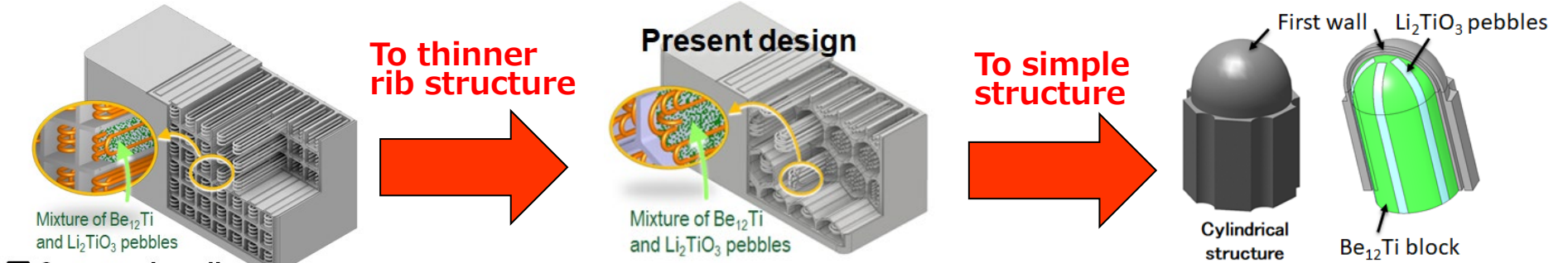
◆ **Turbine system**

- Thermal efficiency : 34.4%
- **Tritium release: 318 Ci/y/loop**

It is less than the restricted amount of T disposal for PWR in JA.

✓ **Overall tritium breeding to fulfil self-sufficiency of fuels**

Breeding blanket was developed to meet the target overall TBR (> 1.05) in the condition of the pressure tightness against in-box LOCA.



□ **Square prism rib**

- TBR: ✗ (TBR ≈ 1.0)
- Simple: ✗

⬡ **Honeycomb rib**

- TBR: ○ (TBR = 1.07)
- Simple: ✗

○ **Cylindrical structure**

- TBR: ○ (TBR = 1.06)
 - Simple : ○
- (○ : Passed, ✗ : Failed)