

Preliminary study on heat balance of 100MWe long fuel cycle sodium-cooled fast reactor

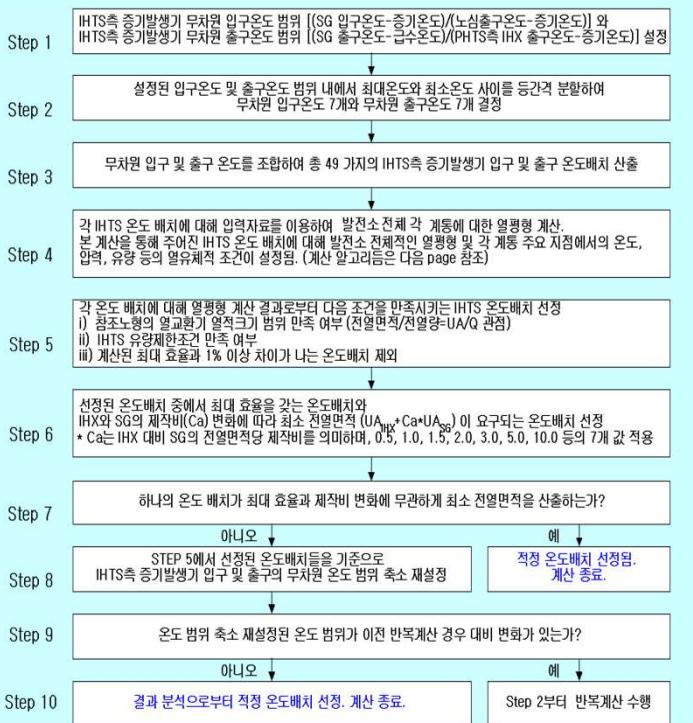
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Objective

- Decision of normal operating condition on PHTS&IHTS&BOP based on design review of previous reactor design
- Development of heat balance of SALUS using DENOP code

Procedure of IHTS temperature arrangement



SALUS

- Small, Advanced, Long-cycled and *Ultimate Safe* sodium-cooled fast reactor
- 100MWe long fuel cycle SFR system under consideration in KAERI
- Design target of 20 years of operation period
- Basic design features are almost same to PGSFR design such as metal fueled reactor, cold pool DRACS, 2 passive and 2 active decay heat removal system, 2 PHTS mechanical pumps, 2 IHTS and 4 IHXs, etc.

Procedure of heat balance decision

