

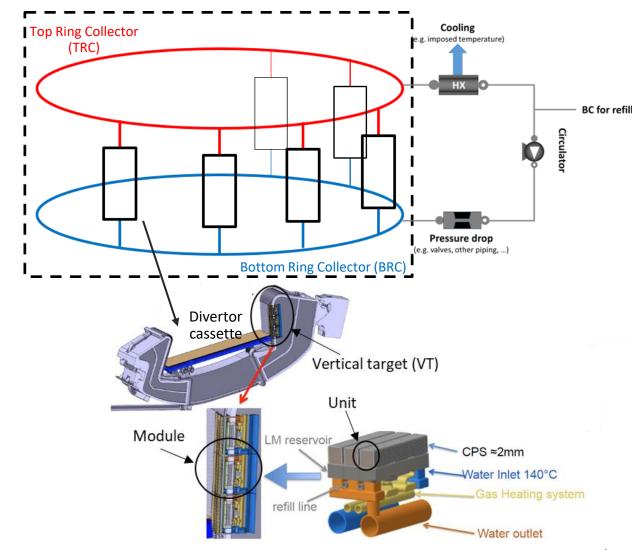
Development of a system-level model of the Liquid Metal Divertor

- <u>Problem</u>: transient analysis of the LMD divertor system (including the LM loop) during a plasma pulse.
- Aim of the work: development of a Modelica thermal-hydraulic model of the LMD target, including:
 - LM flow and evaporation
 - LM refill circuit

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- Water cooling circuit
- Gas heating circuit
- Prerequisites: none (but having attended the 30 hours on Modelica in this course is a big plus...)

[1] G. Mazzitelli, R. De Luca, G. Dose, M. Iafrati, A. Mancini, S. Roccella, "Proposal for a CPS-Based Liquid



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