

System code simulation of Gen IV design with a benchmark

Internship / Master thesis in collaboration with TRACTEBEL

Generation IV reactor designs are regarded as promising future nuclear technologies, reason for which Tractebel has initiated R&D activities to acquire the know-how in this area. It is intended to build and test simulation capabilities of Gen IV designs, by benchmarking with experiments. System code(s) will be deployed for the simulation of a molten salt benchmark (Molten-Salt Reactor Experiment (MSRE)), and potentially a second one of a liquid sodium benchmark (to be identified).