

溶融塩炉開発の国内外の状況

Domestic and Overseas Progress on Molten Salt Reactor Development

(3) Progress in China

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Abstract

TMSR (Thorium Molten Salt Reactor Energy System) is a research program of Chinese Academy Sciences, financial supported directly by Chinese Government. Research activities of TMSR include MSR (with FHR), Th-U fuel cycle and non-electric application, and to realize industrial application finally. TMSR started from 2011 has made much progress, which include the research team of about 500 staff has been founded, researching facility system on TMSR has established, and most technologies on TMSR have been mastered by the team. Several test reactor design have finished and TMSR-LF1 is under construction. Looking for future, MSR will play key role in Gen-IV R&D, not only on the performance of reactor, but also on the requirement. Accordance with the progress of TMSR program, a proposal about based on the small modular TMSR to realized TMSR industrial application by 2030 has been proposed.