



PROJECT TITLE: TEUSA-USNRC Pre-Licensing Activities for the IMSR[®]

APPLICANT: Terrestrial Energy USA, Inc.

COLLABORATORS: Jensen Hughes, Inc. / Nuclear Innovation Alliance

PRINCIPLE INVESTIGATOR: Robin Rickman, Terrestrial Energy USA, Inc.

Project Summary

Terrestrial Energy USA (TEUSA) will conduct pre-application interactions with the US NRC to advance the progress of licensing the Integral Molten Salt Reactor (IMSR[®]). TEUSA is developing the IMSR[®] to provide electricity and process heat to U.S. industry, and plans for first deployment in the late 2020s. The IMSR[®] is a Generation IV advanced reactor power plant that uses liquid fuel molten-salt technology. In the IMSR[®] design, all primary reactor components are placed within a sealed reactor core, the IMSR[®] “Core-unit,” with a 7-year operating lifetime.