

# HISTORY OF NUSCALE

**1995** – Oregon State University builds a one-fourth scale integral system test facility (essentially an electrically heated prototype of the design) to support certification of the Westinghouse AP600/AP1000 design.

**1999** The US Department of Energy (DOE) issues one of the first grants under the Nuclear Energy Research Initiative (NERI) to Oregon State University (OSU), the Idaho National Laboratory and Nexant, at the time a subsidiary of Bechtel.

**2000-2002** A collaborative research effort among the three yields a concept for a smaller, simpler type of light water reactor. An electrically-heated test facility is built at OSU to validate the design.

**2003** DOE issues a detailed report on the Multi-Application Small Light Water Reactor (MASLWR).

**2003-2006** OSU continues to make improvements to the MASLWR design. Meanwhile the international nuclear power community investigates a wide range of reactor concepts to meet the growing needs of developing nations. Concern increases about climate change.

**2007** NuScale Power, Inc. is formed to take advantage of significant improvements made at OSU to the original MASLWR reactor concept and commercialize the modular, scalable technology.

**2008** NuScale Power starts pre-application discussions with the U.S. Nuclear Regulatory Commission (NRC) with the intent of submitting an application for design certification.

NuScale receives its initial funding from a group of venture capital firms.

In April, NuScale enters into a strategic partnership with Kiewit Power Constructors, a division of a company with \$8 billion in annual revenue, to bring its significant capabilities in modular construction techniques to the venture.

**2009** Kiewit and NuScale engineers complete a detailed preliminary plant design and cost study, which validates the plant's scalable design relying on current nuclear industry standards. Conclusion: the design is economical and can be built expeditiously.

**2010** The NRC informs NuScale that "Resources have been allocated to develop the infrastructure within the NRC that will support the NRC staff's review of your application in a timeframe consistent with your proposed design certification submittal."

**2012** NuScale intends to submit a design certification application to the NRC early in the year. NuScale has completed four pre-application meetings with the NRC to familiarize staff with the features of a multi-module plant. It was determined that the plant falls within the existing regulatory framework for light water reactors.