



# ASME ENERGY GRAND CHALLENGE ROADMAP

The ASME Energy Grand Challenge Roadmap embodies ASME's commitment to making meaningful contributions to energy challenges facing the United States and other areas of the world. The ASME Board of Governors established the Energy Grand Challenge in 2008 as one of three ASME strategic priorities, along with globalization and engineering workforce development. The Roadmap is among the first steps ASME is taking to identify, organize, and build upon existing energy capabilities, products, and services to better serve those who rely on and expect the highest-quality energy information and expertise.

ASME is committed to implementing the strategy and priorities contained in the Roadmap by internally aligning its vast energy-related capabilities and resources and leveraging these resources with those of its many partners.

## STRATEGY

ASME will serve as an essential energy technology resource for business, government, academia, practicing engineers, and the general public, and as a leading energy policy advocate. As a credible, unbiased voice, ASME will be a key source of energy technology information and standards. We will achieve this by leveraging our knowledge-based communications, expanding our energy portfolio, building a more effective energy workforce, and supporting balanced energy policies in the United States and other areas of the world.

## ASME PRIORITIES

BUILD AND LEVERAGE ASME CAPABILITIES IN ENERGY TO MAKE INCREASED CONTRIBUTIONS TO MAJOR ENERGY CHALLENGES.



## TOP OPPORTUNITIES

- Form a self-sustaining energy focal point within ASME to maintain a holistic approach to internal and external communications.
- Strengthen alliances with other societies and international organizations to address energy issues and challenges.
- Increase ASME's profile in renewable and emerging technologies.
- Provide a rational, informed voice for political engagement.
- Increase ASME's understanding, profile, and contributions regarding the energy-water nexus.
- Build on existing ASME capabilities and expertise in the nuclear area.
- Identify gaps in current and emerging technologies and related standards for energy generation, production, electricity transmission (including smart grid and energy storage), distribution, transportation, and efficiency.
- Develop a new generation of engineering workforce.
- Develop a comprehensive web-based clearinghouse of energy information and a search engine to facilitate the efficient retrieval of relevant information.

