

Q&A for Resources, Energy & Environment Business Area

1. How do things stand with deploying ammonia at power plants, and what are the prospects for this?

- We have limited factors in plans through fiscal 2025 to such areas as revenue for downstream facilities in the value chain and storage tanks.
- We will start ammonia combustion verification testing at commercial power generation facilities at the end of this fiscal year. We look to expand ammonia combustion deployment if that effort proves successful.
- We would start by deploying the technology domestically, broadening it to Southeast Asia in two or three years.
- We expect ammonia and other zero-emission fuels to eventually replace natural gas in gas turbines. The IHI Group aims to propose shifting to ammonia fuel, including for gas turbines that it is helping to construct in Southeast Asia.

2. What are the trends in the nuclear energy business?

- Around 20 years have passed since IHI completed a new light water reactor plant in Japan. One key challenge is to pass reactor facilities expertise to future generations.
- We accordingly need to think beyond our corporate boundaries to formulate a mechanism for ensuring that we pass on such skills across our industry.

3. What small nuclear reactor initiatives are you undertaking?

- We plan to put the first into service in 2029 in the United States. We have obtained design certification from the American authorities and have completed basic plans.
- We will develop detailed designs in line with our basic plan. We will fabricate a containment vessel mock-up at our Yokohama Works and finalize detailed drawings.