Nuclear floating power units of low power are a reliable and flexible solution for the needs of local consumers.

TECHNICAL SOLUTIONS FOR THE RITM SERIES REACTOR UNITS ARE APPROVED BY THE EXPERIENCE OF DESIGN, MANUFACTURE AND OPERATION:

- 6 RITM-200 reactor units are operated on 3 nuclear icebreakers;
- 4 nuclear icebreakers under construction

ADVANTAGES OF NUCLEAR FLOATING POWER UNITS:

- Continuous energy production for a period of 5-10 years
- Maneuverability (rapid change in the power of the energy source)
- Reducing CO$_2$ emissions
- Factory construction of a fully operational facility
- Changing the capacity at the customer’s request by changing the number of power units on the operational site
- Serial construction, technical solutions do not depend on the operation site
- “green lawn” after completion of operation
- Competitiveness in comparison with gas sources

Based on operational experience, a line of nuclear floating power units with RITM series reactors was created.
Challenges of deploying floating power units

01 Approval of safety for transportation between countries

02 Legal and regulatory support for projects, unique business schemes of implementation

03 The necessity of international cooperation based on transparent and non-discriminatory approaches

THE WAY FORWARD:

Cooperations between IAEA and IMO

Analyzing the experience of pilot projects and successful practicies of international cooperations

Forming working groups to develop specific standards