FIRST

The Foundational Infrastructure for the Responsible Use of Small Modular Reactor Technology (FIRST) Program

The FIRST Program

FIRST helps partner countries:

- Establish a nuclear power program under the highest international standards for nuclear security, safety, and nonproliferation,
- Take advantage of next generation nuclear innovations and technologies in their sustainable energy plans,
- Meet their clean, reliable energy goals while protecting the global climate we all share; and
- Deepen relationships through government, industry, national laboratory, and university engagements.

FIRST Program Partners

U.S. Government

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

National Nuclear Security Administration

USTDA
U.S. TRADE AND DEVELOPMENT AGENCY

EXIM
EXPORT-IMPORT BANK OF THE UNITED STATES

DFC U.S. International Development Finance Corporation

Nuclear Industry

NEI NUCLEAR ENERGY INSTITUTE

United States NIC Nuclear Industry Council

Non-Governmental Organizations

EPRI ELECTRIC POWER RESEARCH INSTITUTE

CRDF GLOBAL

American Nuclear Society

Academic Institutions

THE TEXAS A&M UNIVERSITY SYSTEM

PINE Program for International Nuclear Energy

U.S. National Laboratories and Programs

Sandia National Laboratories

OAK RIDGE National Laboratory

INL Idaho National Laboratory

GAIN Gateway for Accelerated Innovation in Nuclear

Ten Building Blocks to Success: Ten Tailored Modules

1. Nuclear as Part of the Energy Mix
2. Stakeholder Engagement for Success
3. Workforce Development
4. SMR Siting and Early Works
5. Nuclear Safety and Licensing Approaches for SMRs
6. Technology Selection
7. SMR Financing and Localization (with an emphasis on supporting local supply chains and jobs)
8. Nuclear Security
9. Nuclear Nonproliferation
10. Spent Fuel Management