

CYBER NUCLEAR FORUM

A Global Initiative to Protect Nuclear Facilities from Cyberattacks

THE CYBER NUCLEAR FORUM strengthens cybersecurity of civilian nuclear facilities around the world. Convening operational and technical experts from nuclear facilities, the Forum addresses shared challenges against this constantly evolving and growing threat—a successful attack could have consequences that reverberate around the world and undermine global confidence in civilian nuclear power.

UNIQUELY FOCUSED ON THE CYBER NUCLEAR THREAT

Addressing cyber threats is a top priority but implementing cybersecurity in a nuclear environment creates different challenges than common IT or OT environments. The Forum's focus on the technical and operational issues of the cyber-nuclear threat complement the long-standing work of other safety and security organizations.

All countries—but particularly those that lack the hands-on knowledge gained through long-term operating experience—are struggling to attract the technical talent needed. Given the intense competition for experts, inadequate technical capacity will be an enduring challenge for the global nuclear industry. The Cyber Nuclear Forum was developed to address this critical shortfall.

“[I’ve been] able to take back ideas to help solve some of our challenges.”

— FORUM PARTICIPANT

KEY BENEFITS

- Vendor-free dialogue on key cybersecurity challenges unique to nuclear facilities
- Case studies of promising practices around the world
- Research and benchmarking to assess cyber-nuclear trends and maturity
- Professional development for your top experts
- Networking for guidance, peer review, and technical assistance.

“Extremely useful place to exchange information.”

— FORUM PARTICIPANT

Cyber Nuclear Forum Agenda Topics

- Developing risk frameworks
- Embedding cybersecurity into organizational culture
- Recruiting and retaining talent
- Managing supply chain challenges

BUILDING GLOBAL CYBERSECURITY CAPACITY

With no more than 40 participants in the twice-yearly multi-day workshops, the Cyber Nuclear Forum offers a critical venue for candid dialogue, substantive information exchange, cooperation, and problem solving. A Steering Committee and participants set the agenda. Participants, drawn from more than 15 countries, include: chief information security officers, lead computer security engineers, cyber security managers, and others on the front lines of securing nuclear facilities from cyberattacks.

“Great opportunity to talk to people...in computer security in different countries.”

— FORUM PARTICIPANT

GET INVOLVED

The Cyber Nuclear Forum depends on the engagement and support of organizational members. Financial support follows a tiered structure given an organization's size, the number of active participants in the Forum, and capacity to support experts from emerging nuclear countries.

Seed funding from the U.K. Foreign and Commonwealth Office and the Nuclear Threat Initiative (NTI) enabled the creation of the Forum. Generous support from Bruce Power, Exelon and URENCO has supported initial meetings. You can join them to ensure that the Forum's work continues to strengthen cybersecurity at nuclear facilities worldwide.

Contact NTI to learn how you and your team can engage.

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SELECTED PARTICIPATING ORGANIZATIONS

ARGENTINA

Comisión Nacional de Energía Atómica (CNEA)

BELARUS

Belarusian Nuclear Power Plant

BELGIUM

ENGIE Electrabel

BRAZIL

Nuclear Development Directorate

CANADA

Bruce Power, Ontario Power Generation

FINLAND

Fennovoima Oy, Fortum Power and Heat Oy, Teollisuuden Voima Oy

FRANCE

Électricité de France (EDF)

GERMANY

PreussenElektra GmbH

THE NETHERLANDS

Elektricitets Produktiemaatschappij Zuid-Nederland (EPZ), URENCO Nederland B.V.

RUSSIA

Fizpribor

SOUTH AFRICA

Koeberg Nuclear Power Station, South Africa

SOUTH KOREA

Korea Hydro and Nuclear Power Co.

TAIWAN

Kuosheng Nuclear Power Station, Taiwan Power Company

UKRAINE

National Science Center Kharkov Institute of Physics and Technology/ National Academy of Sciences

UNITED KINGDOM

Urenco Limited

UNITED STATES

Exelon, Idaho National Laboratory (INL), Nuclear Energy Institute (NEI), Sandia National Laboratories