

Clean. Reliable. **Nuclear.**

ATOMIC WINGS

LUNCH & LEARN

Presented by ClearPath

A bipartisan educational series focusing on securing the economic, safe, clean, reliable nuclear future

The Value Proposition of Advanced Nuclear; Clean Energy, Economics and Safety February 13

11:30 a.m. Registration, Networking, Lunch

12:00 p.m. PROGRAM

SPECIAL GUEST
U.S. Congressman Randy Weber (TX)

PANEL FACILITATOR
David Blee, President and CEO
U.S. Nuclear Industry Council

PANELISTS
Dr. Todd Allen
Third Way
Senior Visiting Fellow and
Glenn F. and Gladys H. Knoll Department Chair
Nuclear Engineering and Radiological Sciences (NERS) at University of Michigan

Dr. Jon Ball
GE Hitachi Nuclear Energy
Executive Vice President

Dr. Micah Hackett
Kairos Power
Director Technology Development

Simon Irish
Terrestrial Energy
Chief Executive Officer

AUDIENCE/PANEL Q&A

1:00 p.m. CONCLUSION

*Join us for our next
lunch and learn in
March.*

ADVANCED NUCLEAR

SIZES

SMALL

1 MW to 20 MW

Microreactors

*Can fit on a flatbed truck.
Mobile. Deployable.*

MEDIUM

20 MW to 300 MW

Small Modular Reactors

*Factory-built. Can be
scaled up by adding
more units.*

LARGE

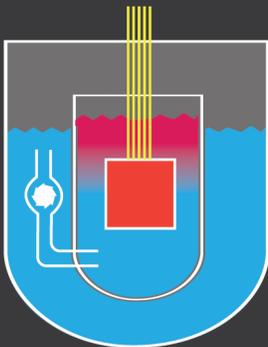
300 MW to 1,000 + MW

Full-size Reactors

*Can provide reliable,
emissions-free baseload
power*

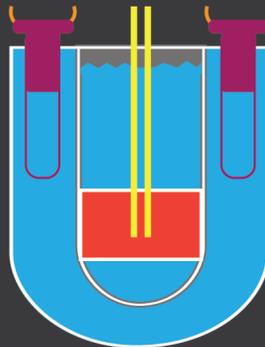
Advanced Reactors Supported by the U.S. Department of Energy

TYPES



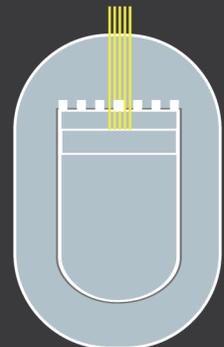
MOLTEN SALT REACTORS –

Use molten fluoride or chloride salts as a coolant. Online fuel processing. Can re-use and consume spent fuel from other reactors.



LIQUID METAL FAST REACTORS –

Use liquid metal (sodium or lead) as a coolant. Operate at higher temperatures and lower pressures. Can re-use and consume spent fuel from other reactors.



GAS-COOLED REACTORS –

Use flowing gas as a coolant. Operate at high temperatures to efficiently produce heat for electric and non-electric applications.

BENEFITS

Enhanced Safety –

Rely on passive safety designs that don't require operator intervention in the event of an accident.

Versatile –

Supports intermittent power sources and can provide heat energy for non-electric applications.

Waste Management –

Greatly reduce the amount of spent fuel requiring disposal. Some technologies can even re-use spent fuel.

Affordable –

Use advanced manufacturing to reduce capital cost.