

# ***GAIN***

## ***Gateway for Accelerated Innovation in Nuclear***

**Dr. Rita Baranwal**  
*Director, GAIN*

*Enabling Advanced Reactors for Market Symposium*  
*March 8-9, 2018*



VISION

TEAMWORK

LEADERSHIP

REALIZATION

## ***GAIN Vision & Mission***

### **GAIN Vision:**

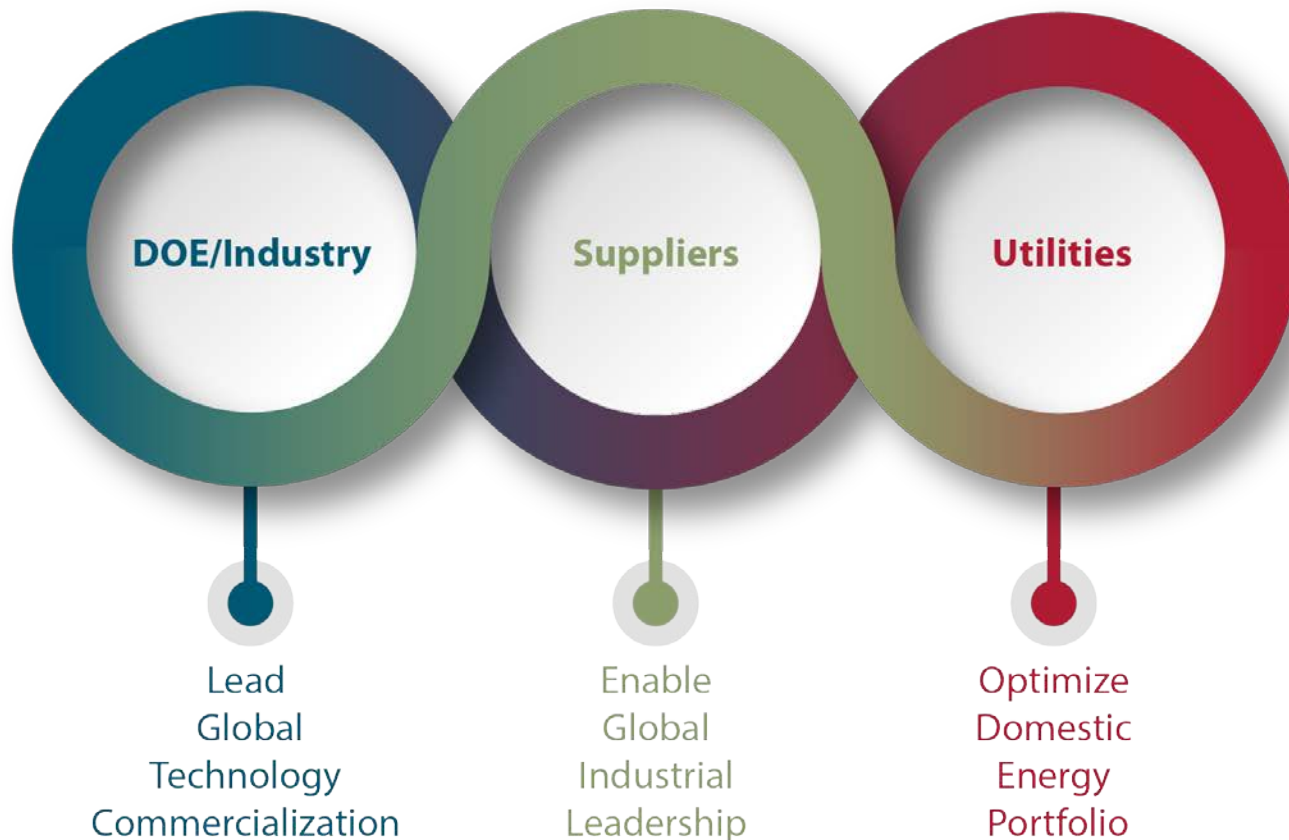
By 2030, the U.S. nuclear industry is equipped to lead the world in development of innovative nuclear technologies to supply urgently needed abundant clean energy both domestically and globally.

### **GAIN Mission:**

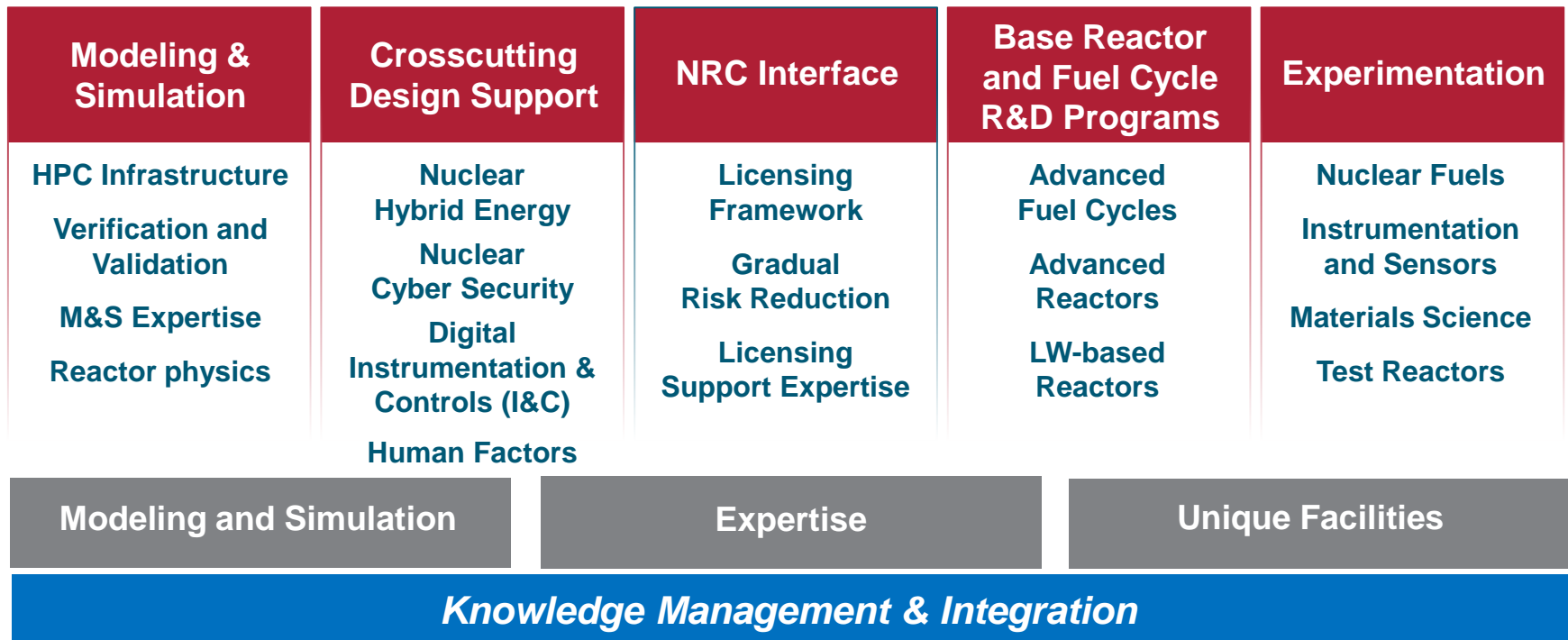
Provide the nuclear energy industry with access to technical, regulatory and financial support necessary to move innovative nuclear energy technologies toward *commercialization* in an accelerated and cost-effective fashion

# ***GAIN Initiative: Simultaneous Achievement of Three Strategic Goals***

## STRATEGIC GOALS



# GAIN: Connecting nuclear innovators to DOE laboratory capabilities and RD&D programs



– GAIN –

*Industry and investor access to DOE capabilities and expertise*

# TEAMWORK



**GAIN**

Gateway for Accelerated  
Innovation in Nuclear



NUCLEAR ENERGY INSTITUTE

**EPRI**

ELECTRIC POWER  
RESEARCH INSTITUTE

LEADERSHIP

# GAIN TECHNOLOGY WORKING GROUPS (TWG)

**GAIN**

Gateway for Accelerated Innovation in Nuclear

## *Molten Salt Reactor*

<i>Duke Energy</i>	<i>Charlotte, North Carolina</i>
<i>Elysium Industries</i>	<i>Boston, Massachusetts</i>
<i>Exelon Corporation</i>	<i>Chicago, Illinois</i>
<i>Flibe Energy, Inc.</i>	<i>Huntsville, Alabama</i>
<i>Southern Company</i>	<i>Birmingham, Alabama</i>
<i>TerraPower, LLC</i>	<i>Bellevue, Washington</i>
<i>Terrestrial Energy USA Ltd.</i>	<i>New York, New York</i>
<i>ThorCon USA</i>	<i>Stevenson, Washington</i>
<i>Transatomic Power Corporation</i>	<i>Cambridge, Massachusetts</i>

## *High Temperature Gas Reactor*

<i>AREVA NP, Inc.</i>	<i>Lynchburg, Virginia</i>
<i>BWX Technologies, Inc.</i>	<i>Lynchburg, Virginia</i>
<i>Duke Energy</i>	<i>Charlotte, North Carolina</i>
<i>Kairos Power</i>	<i>Oakland, California</i>
<i>StarCore Nuclear</i>	<i>Montreal, Canada</i>
<i>X-Energy, LLC</i>	<i>Greenbelt, Maryland</i>

## *Fast Reactor*

<i>Advanced Reactor Concepts, LLC</i>	<i>Chevy Chase, Maryland</i>
<i>Columbia Basin Consulting Group, LLC</i>	<i>Kennewick, Washington</i>
<i>Duke Energy</i>	<i>Charlotte, North Carolina</i>
<i>Elysium Industries</i>	<i>Boston, Massachusetts</i>
<i>Exelon Corporation</i>	<i>Chicago, Illinois</i>
<i>General Atomics</i>	<i>San Diego, California</i>
<i>General Electric-Hitachi</i>	<i>Wilmington, North Carolina</i>
<i>Hydromine, Inc.</i>	<i>New York City, New York</i>
<i>Oklo, Inc.</i>	<i>Sunnyvale, California</i>
<i>Southern Company</i>	<i>Birmingham, Alabama</i>
<i>TerraPower, LLC</i>	<i>Bellevue, Washington</i>
<i>Westinghouse Electric Co., LLC</i>	<i>Cranberry Township, Pennsylvania</i>

**Note: GAIN, DOE NTDs, EPRI and NEI participate in all of the TWG teams**





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# REALIZATION