

Advancing Technology into the Future

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New Applications of Innovative Technologies

EPRI

**“LIFE’S A JOURNEY
NOT A RACE”**
ELECTRIC POWER
RESEARCH INSTITUTE



Xcel Energy®



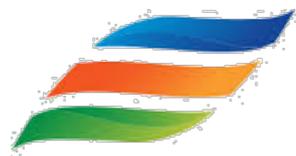
U.S. DEPARTMENT OF
ENERGY

INL
Idaho National Laboratory

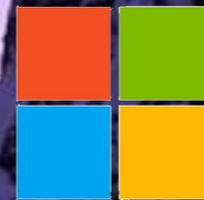
GSA



IBM Watson™



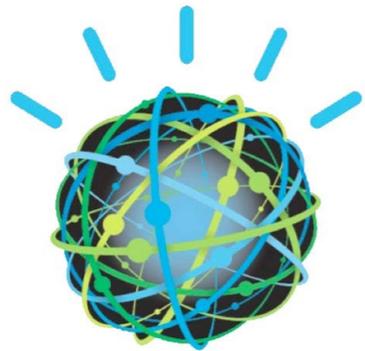
Exelon



Microsoft

Early Exploration at the NRC

Artificial Intelligence Solutions



IBM WATSON



Robotic Process Automation

Low-Code No-Code Applications



The Art of NRC Possible



Big Data/Data Analytics

- Leveraging Big Data Tools to manage the myriad of data



Predictive Analytics

- Use of natural language processing to assist project managers in resource estimation



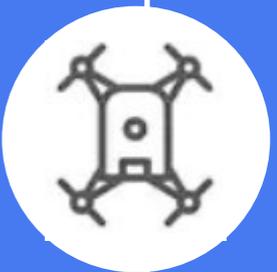
RESBot

- Perform data mining searches of NRC and external information



Drone Technology

- Drones and Virtual Reality Tools to Analyze Radiological Surveys in Decommissioning



Autonomous Control Algorithms

- Simulate Power Reactor Operating Cycles



*We are only limited by our imagination
as we prepare for innovative applications!*

