

Vermont Yankee Nuclear Decommissioning Citizens Advisory Panel

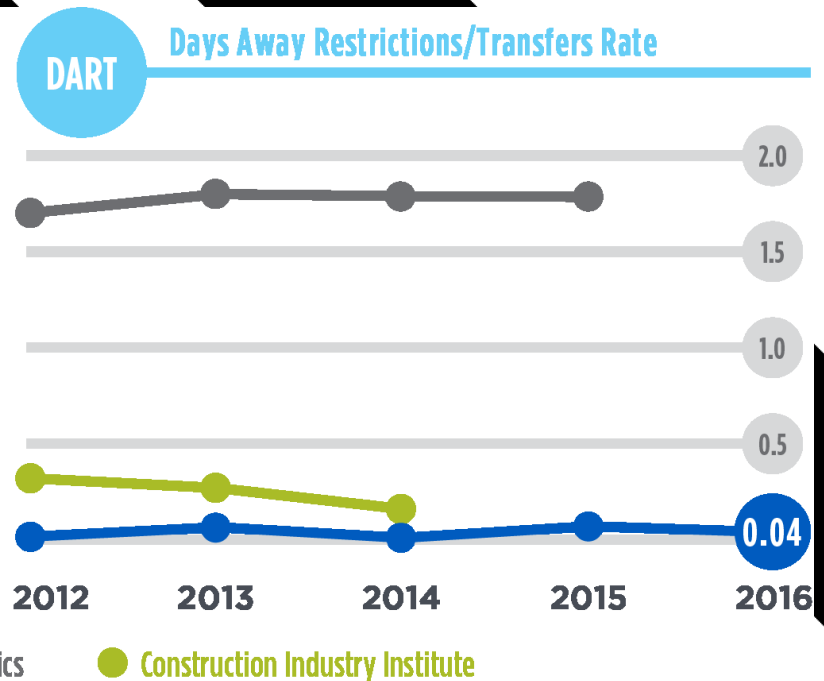
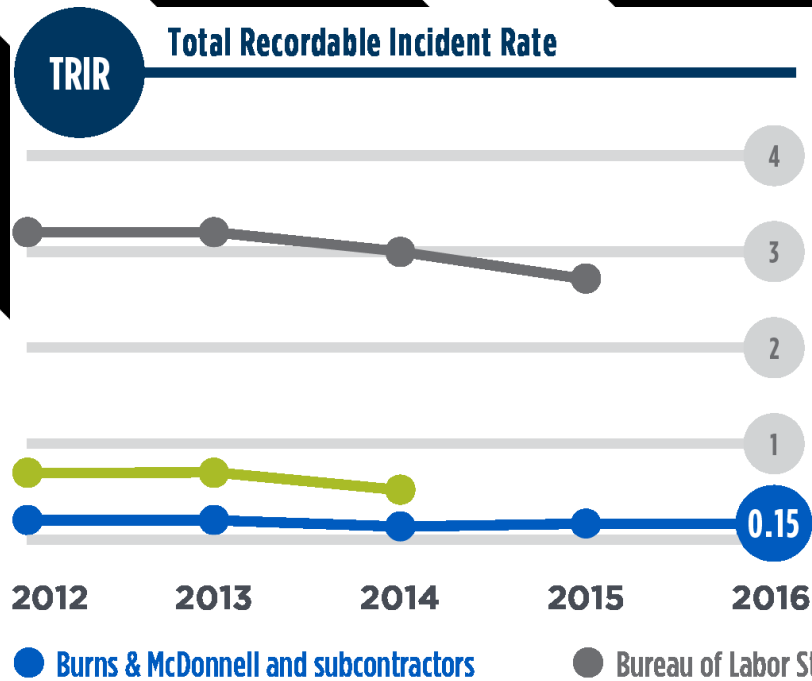


June 22, 2017

Glenn J. Neises
Nuclear Director
Burns & McDonnell



Safety Is First



Combined employee-owner and subcontractor data 

Rated in the top 1% for safety *Engineering News-Record*

NorthStar Decommissioning Team

▶ NorthStar

- Owner & Demolition

▶ Burns & McDonnell

- Engineering
- Licensing

▶ AREVA

- Vessel & Internals Segmentation
- Spent Fuel Support

▶ WCS

- Waste Management
- Packaging
- Transportation
- Disposal



Why Burns & McDonnell



Engineering Focused

Experienced, Efficient, Reduce total cost



Trusted Partner

*Employee-owned & committed to success
90% repeat business*



Breadth of Knowledge & Experience

*Completing demanding projects faster, safer, more efficiently
and with higher quality*



More Than 119 Years of Service

Stanford graduates Clinton Burns & Robert McDonnell opened a consulting engineering firm to provide clean water and reliable power to the Midwest and expanded the firm to more than 5,700 professionals.



Who We Are

EXCELLENCE

TOP 1%
SAFETY
RANKING

STRENGTH

MORE THAN
5,700
PROFESSIONALS

STRENGTH

40+
OFFICES
WORLDWIDE

Established 1898

EXCELLENCE

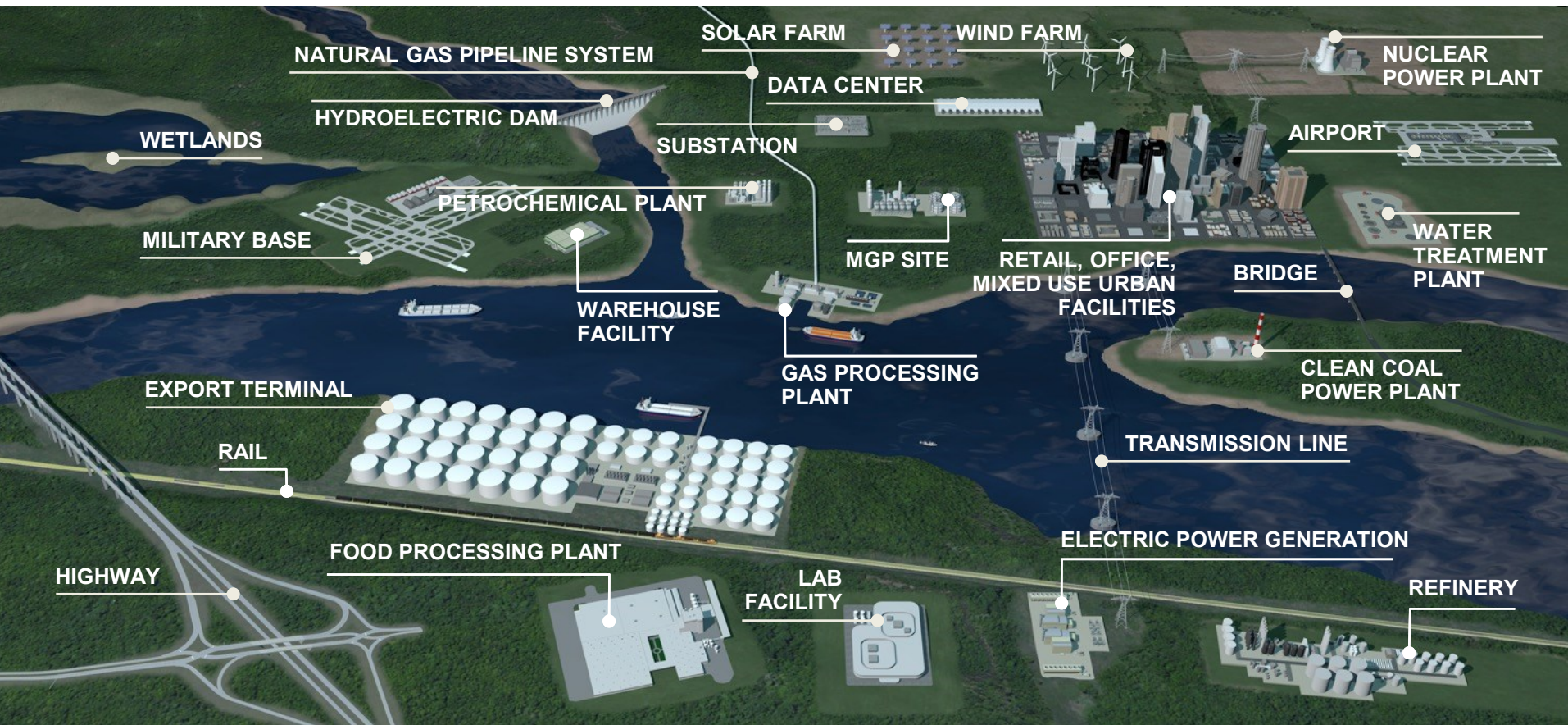
#1
POWER

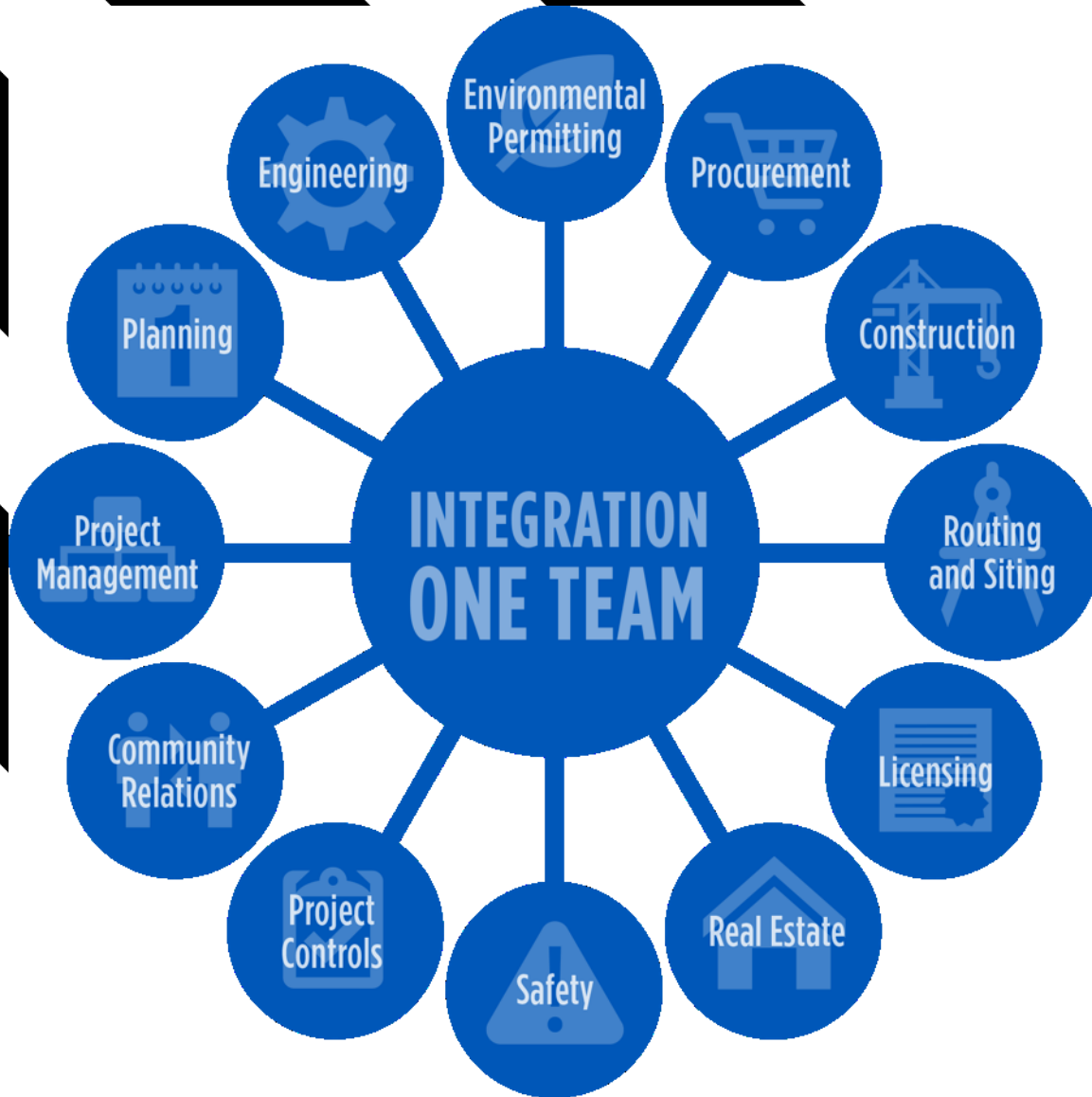
SERVICE

100%
EMPLOYEE-
OWNED

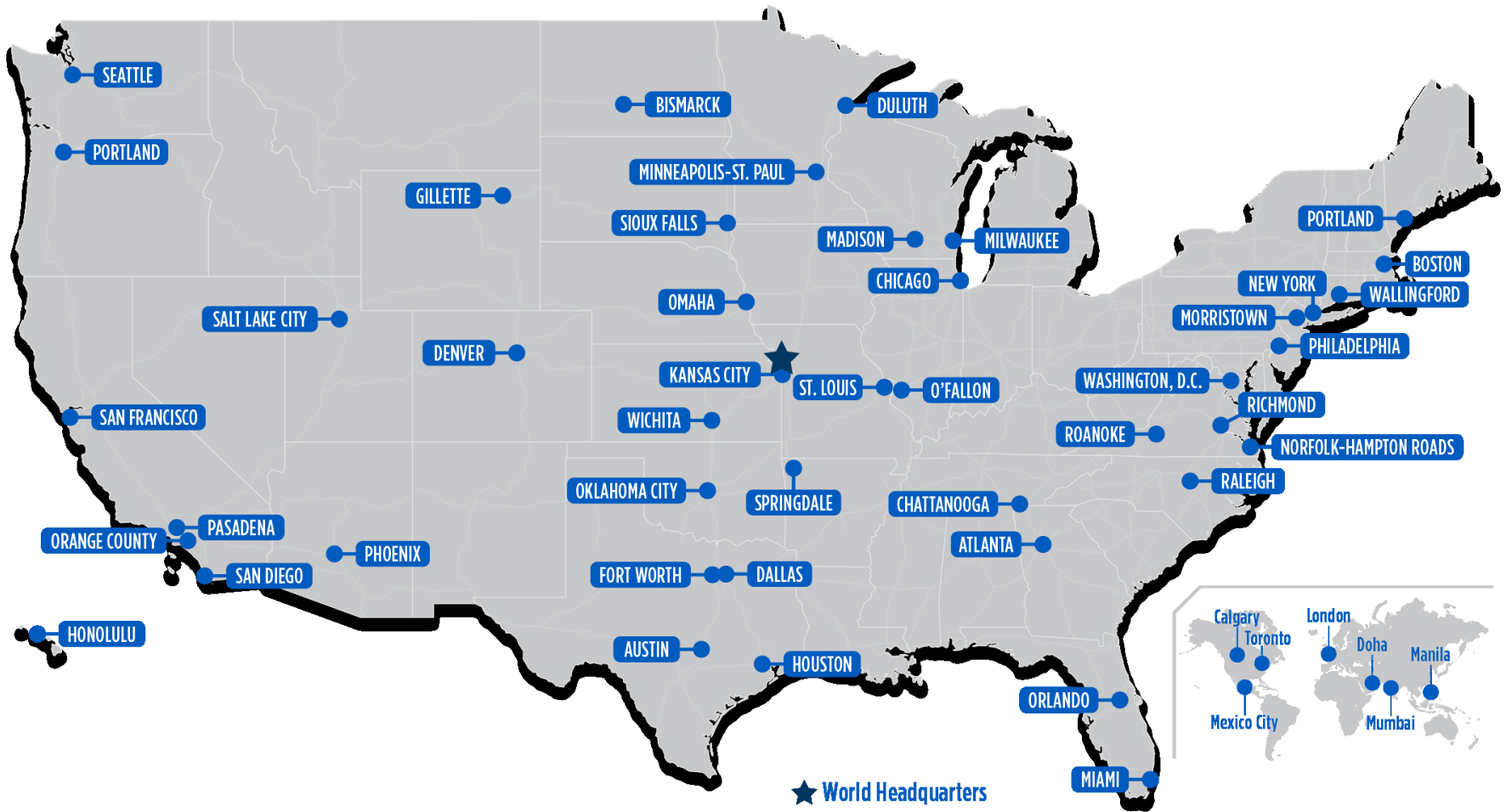
Engineering, Architecture, Environmental, Construction & Consulting Solutions

Key Industries and Markets We Serve

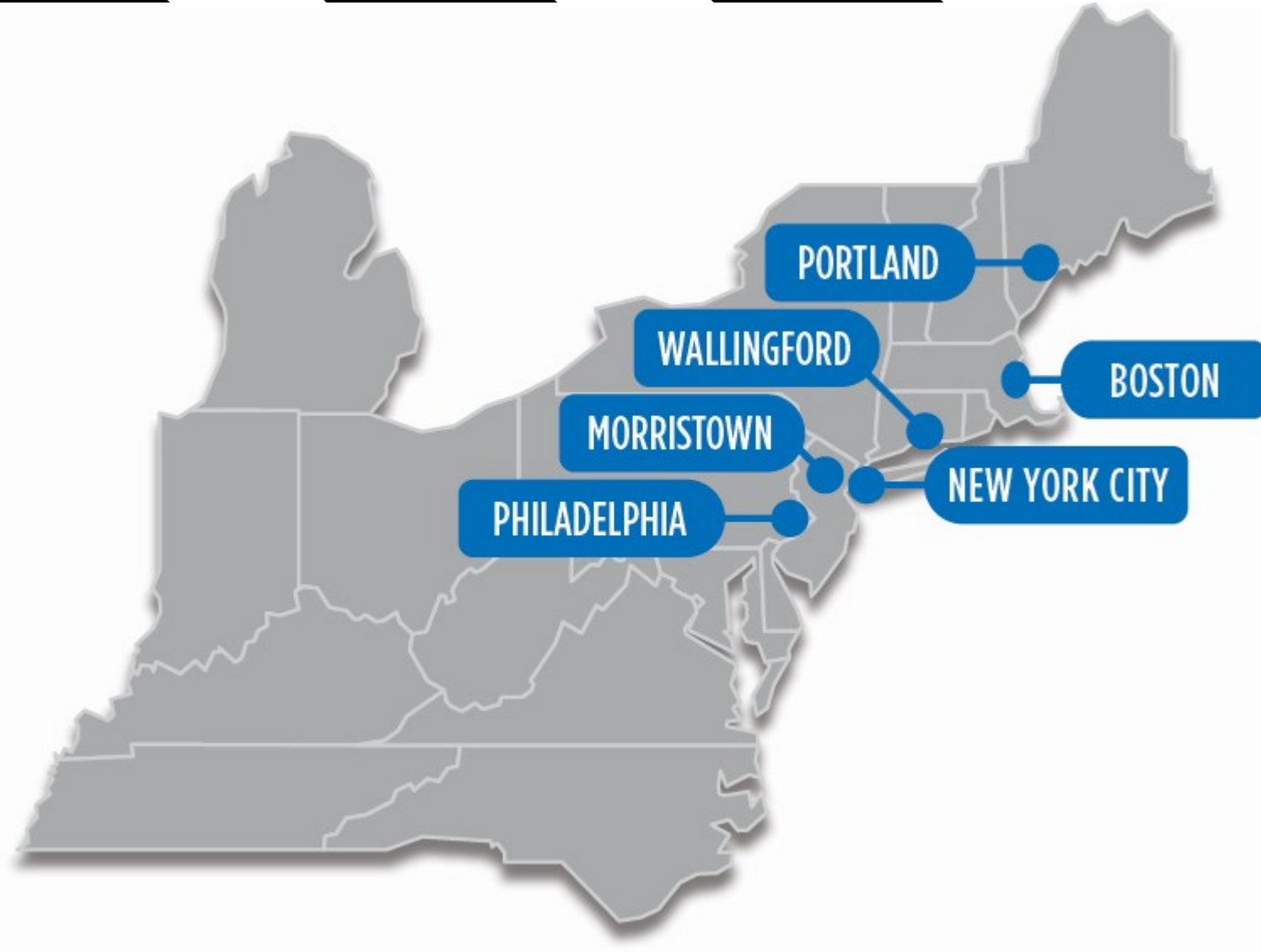




Where We Are

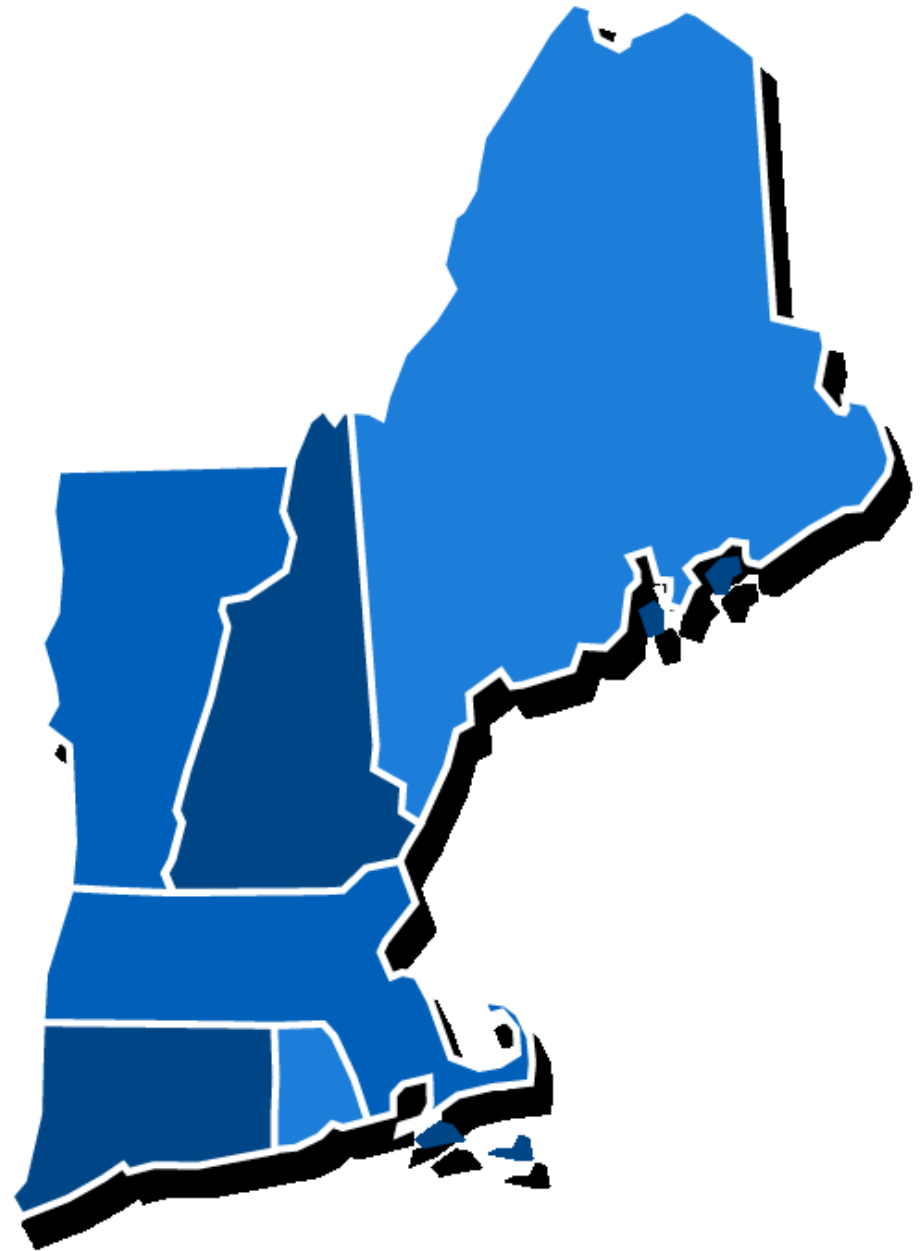


Northeast Offices



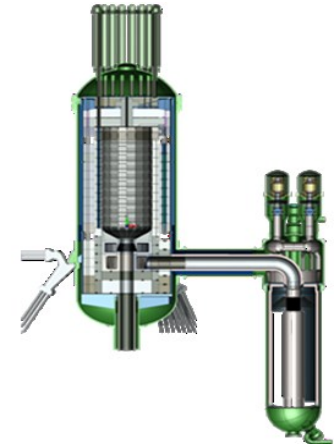
Vermont and

- ▶ Vermont
- ▶ Vermont
- ▶ & Jerry's
- ▶
- ▶
- ▶ National
- ▶ Evers
- ▶ Northeast
- ▶ Connecticut Yan
- ▶ Decommissionir

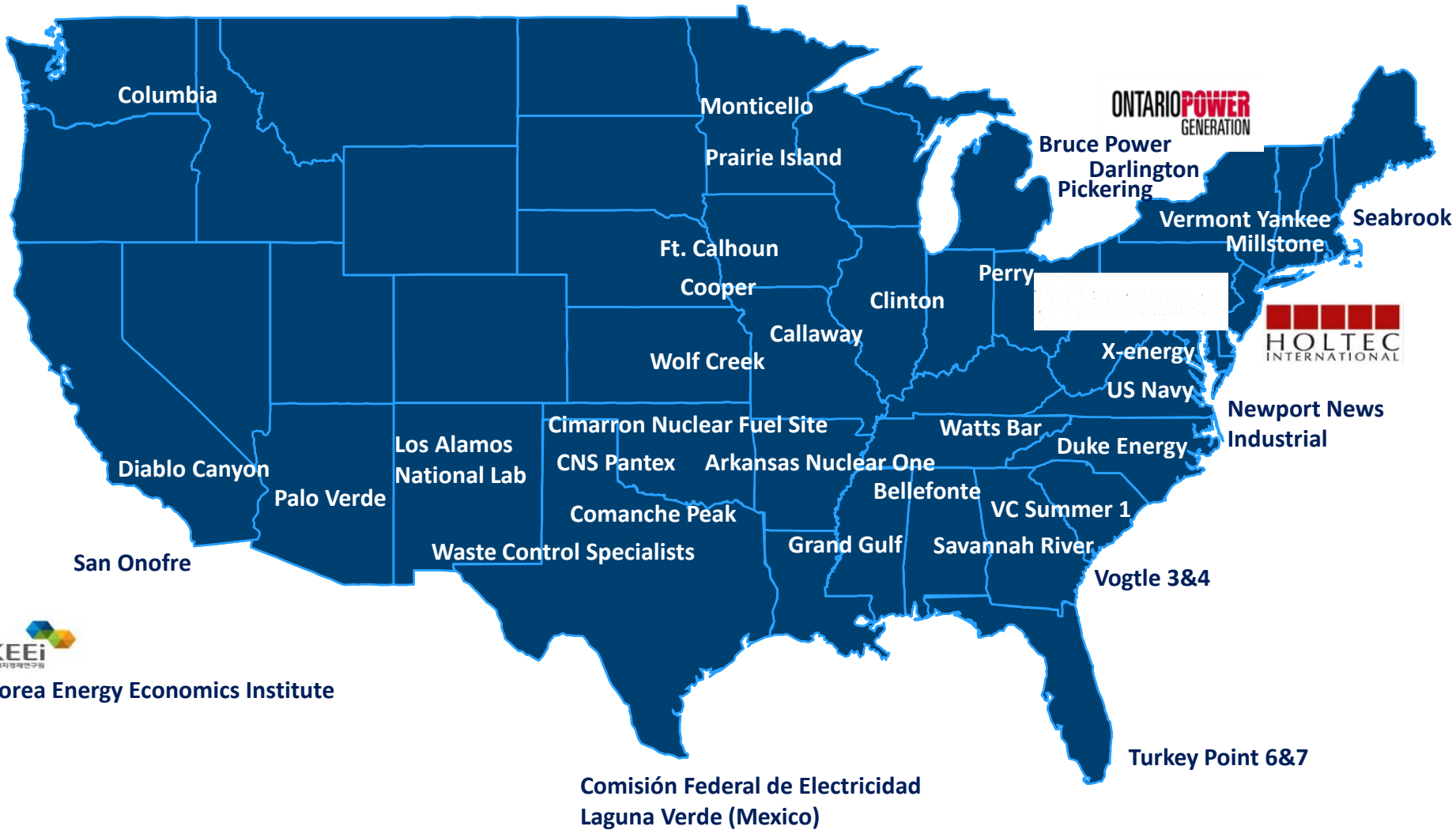


Nuclear Offerings

- ▶ Nuclear Power Plant Engineering Services
 - Engineering Modifications, Licensing Support
- ▶ Decommissioning Services
- ▶ New Nuclear Power Plant Design
- ▶ Federal Services – Department of Energy



Nuclear Projects & Clients




KEEi
에너지경제연구원
Korea Energy Economics Institute

Comisión Federal de Electricidad
Laguna Verde (Mexico)



Company Awards

FORTUNE
**100
BEST**

2016

ESOP
COMPANY OF THE YEAR 2012
ESOP Association



**PSMJ's
PREMIER AWARD**
FOR CLIENT SATISFACTION

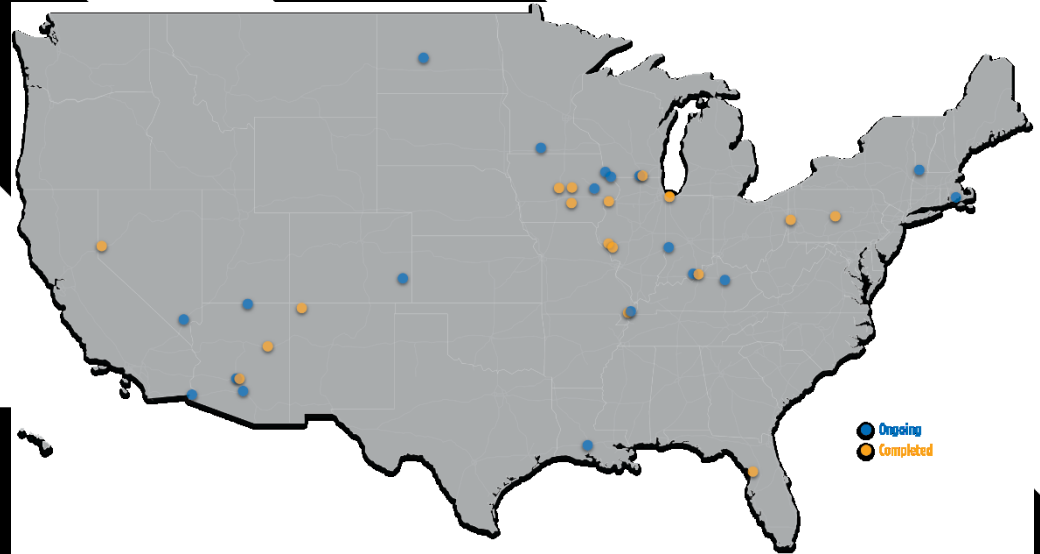
Five Years

ENR
Best Energy/Industrial Project
Interstate Reliability Project

Decommissioning & Demolition

▶ 200+ Clients

- ▶ 34 States
- 23 Industrial
 - 8 Partial
 - 3 Isolation



- ▶ Services
- Engineering
 - Materials
 - Construction/Remediation
 - Environmental Site Assessment
 - Environmental Remediation
 - Regulatory
 - Site end-of-life
 - Site Restoration/Reuse Design
 - Project Management
 - Turnkey Demolition





Power Plant Facilities Demolition & Removal

**Coal and Ash Handling Facilities
Removal**

**Substation and Transmission
Lines Retained**

Regulated Material Assessment

Subsurface Assessment

Asbestos Abatement

Universal Waste Removal

Foundation and Concrete Removal

**Underground Utility
Capped/Removed**

Scrap Recycling

PCB Remediation

Ash Pond and Coal Pile Closure



Program Management
Engineering and Licensing
Cost Estimating
Financial Reporting

Radiological Characterization

Radiological Decommissioning

Licensee & Trustee

700+ Acre Uranium Fuel Production Facility
Special Nuclear Material License Holder

Environmental Cleanup
Groundwater Remediation

**Site Restoration &
Repurposing**



1960 – View to South East



2003 – View to South East

Radiological Characterization & Decommissioning

Operation, Maintenance & Construction Management

440 Acre Uranium Fuel & Thorium Production Site

**Decontamination & Demolition
Treatment of Mixed Waste
Excavation of Piping, Waste, Soil**

**On-Site Laboratory Analyzed 150,000
Waste, Soil & Water Samples**

**1,200,000 Cubic Feet of
Low Level Radioactive Waste
Shipped via 3,000 Intermodal
Containers to Disposal Facility**

BURNS  MCDONNELLSM

**WATER – ENVIRONMENT – ENERGY
VIDEO**

BURNS  MCDONNELL SM