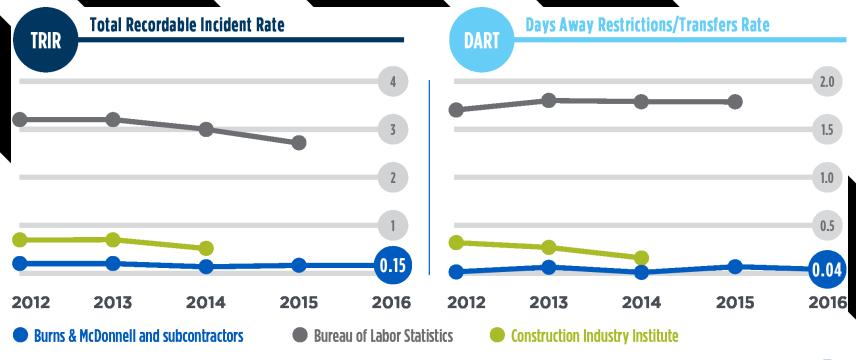


#### Safety Is First



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

**EXCELLENCE** 

#1 POWER

**SERVICE** 

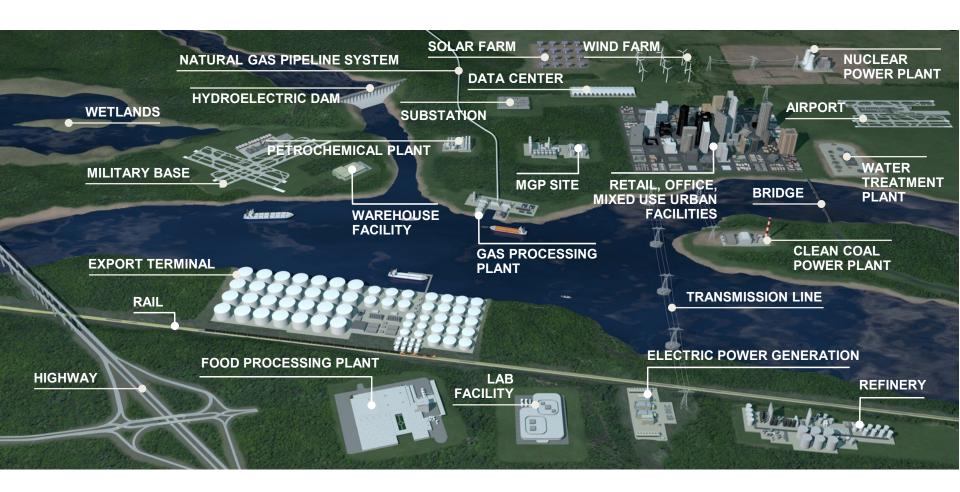
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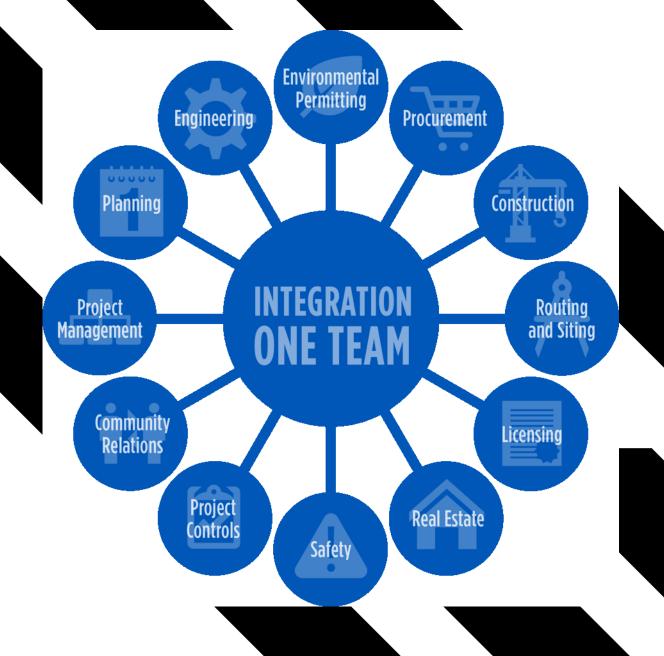
EMPLOYEE
OWNED

**Established 1898** 

Engineering, Architecture, Environmental, Construction & Consulting Solutions

## **Key Industries and Markets We Serve**

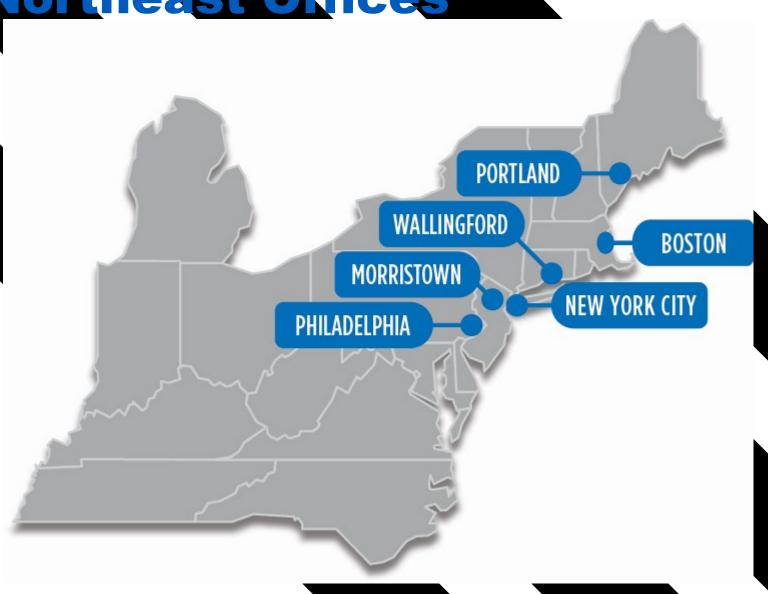




#### Where We Are

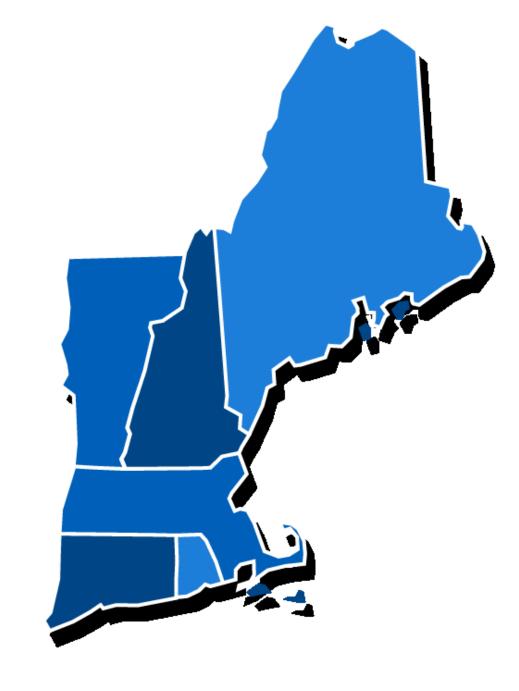


## Northeast Offices



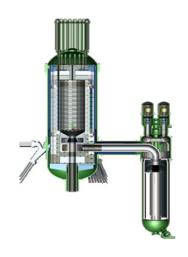
## Vermont and

- Verm
- Vermon
- & Jerry's
- nine Po
- Nat.
- Everso 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

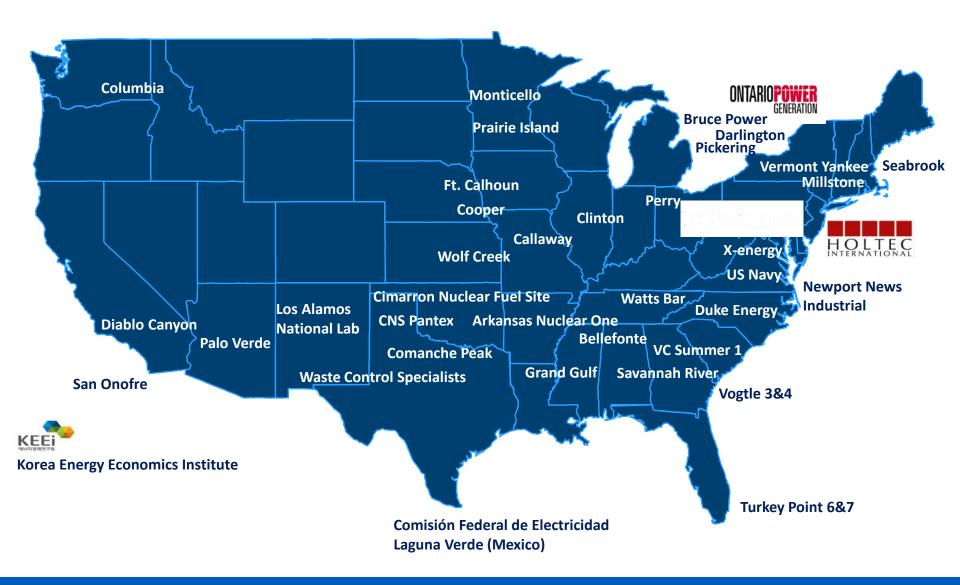








#### **Nuclear Projects & Clients**



### Nuclear Experience Summary

Nuclear Plant / Facility	Owner / Utility	Reactor Type	Project Development	Technical Assessment	Technical Studies	Detailed Engr Design	Program Management	Engr Field Services	Engr Startup/Testing	Owner's Engr/Oversight	Technical Advisor
Arkansas Nuclear One	Entergy	PWR						Х	Х		Х
Bellefonte Nuclear Generating Station	Tennessee Valley Authority	PWR					х	х		х	х
Bruce Nuclear Generating Station	Bruce Power	CANDU		Х							Х
Callaway Energy Center	Ameren	PWR	х	х	х	х		х	х	х	х
Clinton Nuclear Generating Station	Exelon	BWR						Х			
Columbia Generating Station	Energy Northwest	BWR		х							х
Comanche Peak Nuclear Power Plant	Luminant Generation	PWR		Х							
Confidential	Duke Energy	PWR			х						$\Box$
Cooper Nuclear Station	Nebraska Public Power District	BWR		Х	Х	Х		Х	Х		Х
Darlington Nuclear Generating Station	Ontario Power Generation	CANDU						х		х	$\Box$
Diablo Canyon Power Plant	Pacific Gas & Electric	PWR			Х						Х
Fort Calhoun Nuclear Generating Station	Ornaha Public Power District	PWR	х	х	х	х		х			х
Independent Spent Fuel Storage Installations	Holtec	ISFSI		Х		Х		Х		Х	Х
Korea Energy Economics Institute	KEPCO	PWR/CANDU		х							$\Box$
Laguna Verde Nuclear Power Station	Comision Federal de Electricidad	BWR						Х			Х
Los Alamos National Laboratory	Los Alamos National Security	General									х
Millstone Nuclear Power Station	Dominion	PWR					Х	Х			
Monticello Nuclear Generating Plant	Xcel	BWR		х	х						х
Newport News Industrial	Hunthington Ingalls Industries	General				Х					
Palo Verde Nuclear Generating Station	Arizona Public Service	PWR	х	х	х	х		х		х	х
Pantex Plant	Consolidated Nuclear Security	General									Х
Perry Nuclear Power Plant	FirstEnergy Nuclear Operating Company	BWR				х					
Pickering Nuclear Generating Station	Ontario Power Generation	CANDU		Х							Х
Prairie Island Nuclear Power Plant	Xcel	PWR		х	х						х
San Onofre Nuclear Generating Station	Southern California Edison	PWR			Х			Х		Х	
Turkey Point Nuclear Generating StationUnits 6 and 7	FPL / NextEra	PWR		х	х						х
VC Summer Nuclear Generating Station Unit 1	South Carolina Electric & Gas	PWR		Х							Х
Vogite Electric Generating Plant Units 3 and 4	Southern Nuclear	PWR				х					
Waste Control Specialists	ShadowTech Labs	General			Х						
Westinghouse Small Modular Reactor	Westinghouse	SMR	Х	х	х	Х					Х
Wolf Creek Generating Station	WCNOC	PWR	Х	Х	Х	Х	Х	Х	Х		Х
Xe-100	X-energy	GEN IV	х	х							х

## Company Awards







Best Energy/Industrial Pre Interstate Reliability Project



ive Years

## **Decommissioning & Demolition**

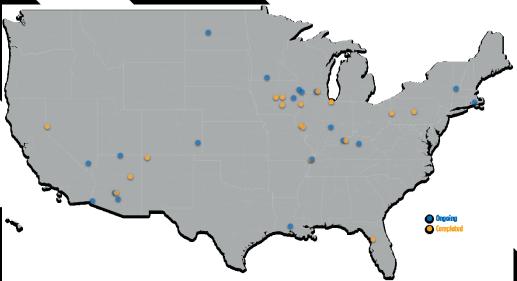
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- ection/Ren
- En ite Assessi
- Environment
   pediation
- Regula.
- Site end-to
- Site Restora

**A**aterials

- 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** 

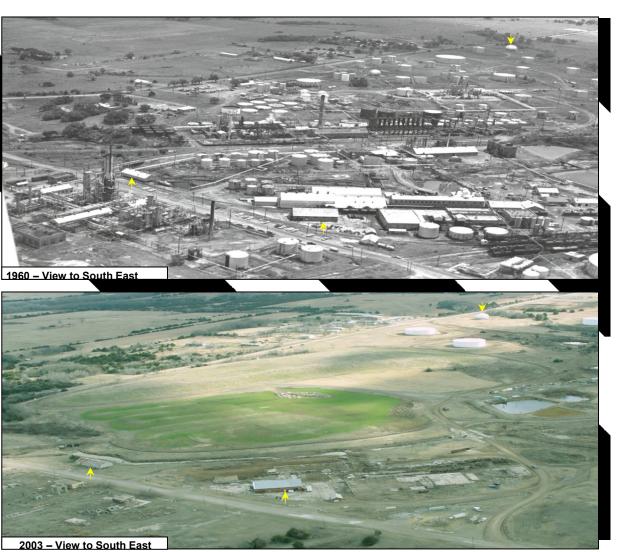
**Radiological Decommissioning** 

**Licensee & Trustee** 

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

**Environmental Cleanup**Groundwater Remediation

Site Restoration & Repurposing



### 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 MCDONNELL

WATER – ENVIRONMENT – ENERGY VIDEO

# BURNS MEDONNELL.