

UCOR

an AECOM-led partnership with Jacobs

Lessons from a Contractor: How to Use and Apply CPWR Resources

Travis Watson

Oak Ridge Reservation



- 18 miles west of Knoxville, Tennessee
- ~60,000 acres purchased for historic World War II Manhattan Project
- Established to pursue three methods of uranium separation
- Decades of national defense, energy, and cleanup missions



3 Project Locations



Y-12 National Security Complex – **national security and defense missions**

East Tennessee Technology Park (ETTP) – **cleanup, closure and redevelopment of former uranium enrichment site**

Oak Ridge National Laboratory – **science and energy research missions**

Scope of Work

Decommissioning,
Deactivation and
Demolition of
Facilities
and Structures

Waste Disposition
and Management

Cleanup of
Contaminated Soil
and Groundwater

Surveillance and
Maintenance of
Nuclear Facilities

Facility Design and
Construction

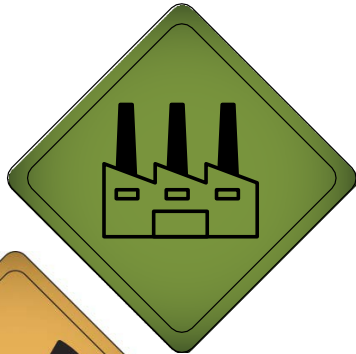
Reindustrialization
and Conservation
of Federal Land

National Historic
Preservation



Hazards of Our Work Environment

Facilities, soils and groundwater contaminated with radioactive, hazardous, chemical and industrial wastes generated by more than 40 years of defense and energy missions



- Confined Spaces
- Hoisting & Rigging
- Heights
- Heavy Equipment
- Falls
- Fire
- Spills
- Chemicals
- Electrical
- Excavations
- Heat Stress
- Cold Stress
- Asbestos
- Lead
- PCBs
- Silica
- Mercury
- Freon



= Demolished

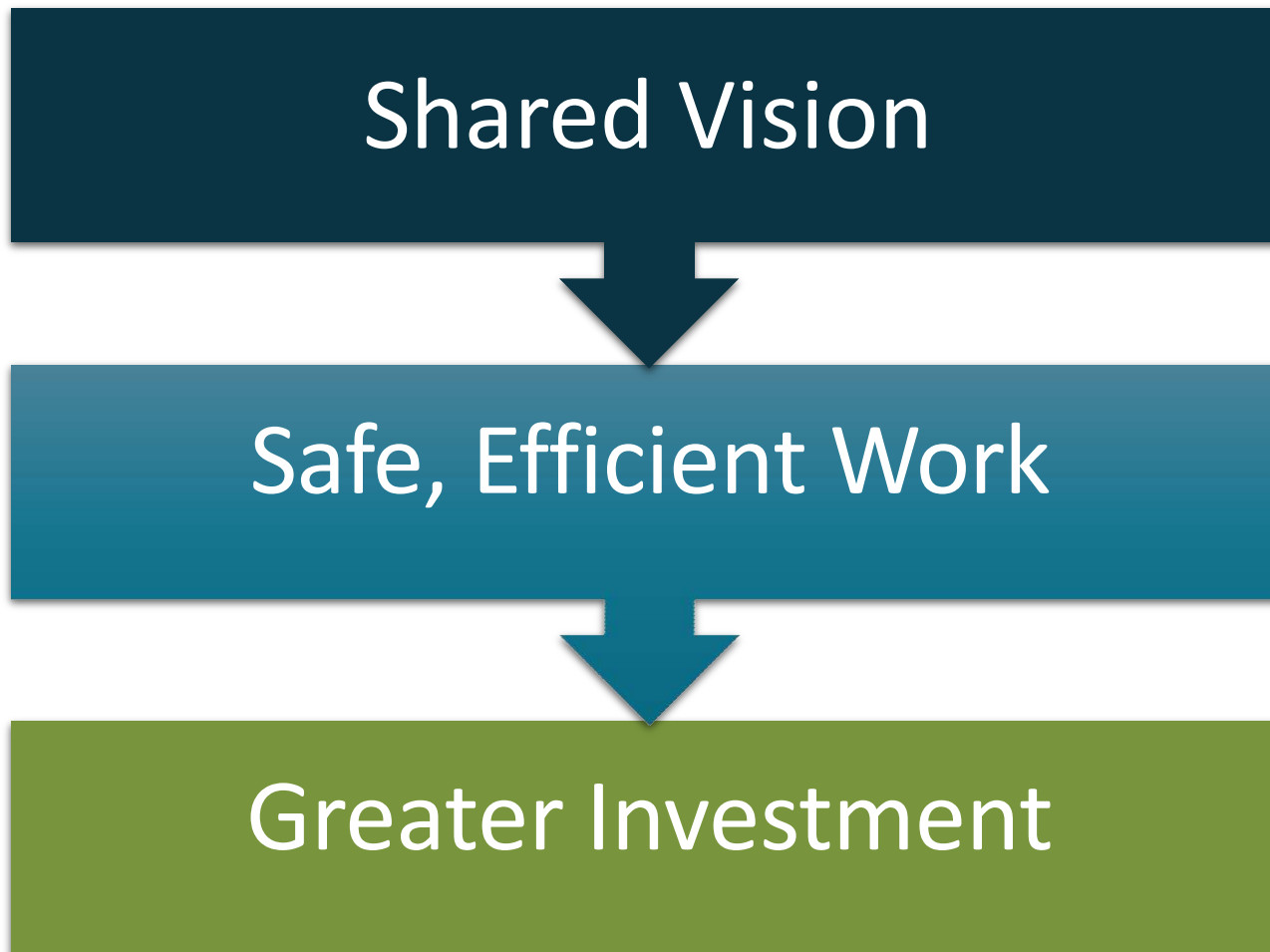


= Deactivation underway



= Demolition underway

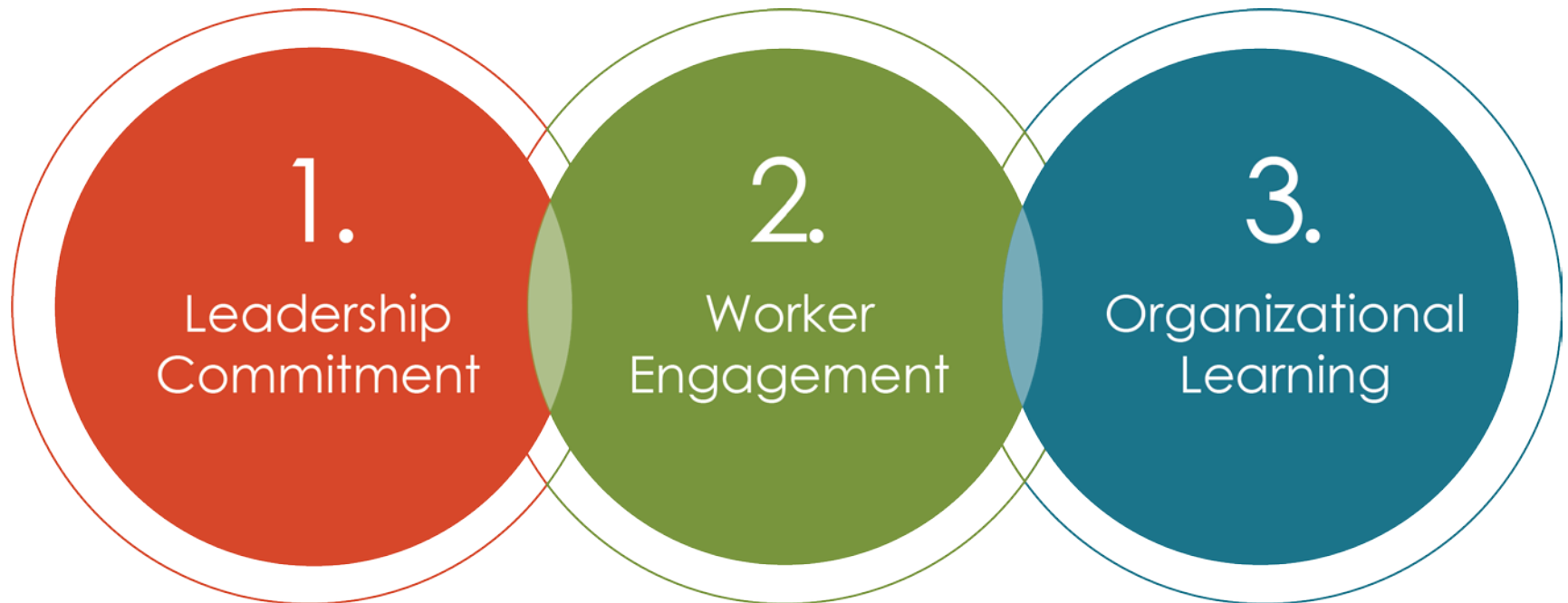
Owner Involvement and Investment



Strong Partnerships



Safety Culture Focus Areas





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research

training

service

CPWR is dedicated to reducing occupational injuries, illnesses and fatalities in the construction industry. Through our research, training, and service programs, we serve the industry in cooperation with key federal and construction industry partners nationwide.



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research

[research projects](#)

[small study program](#)

[research to practice \(r2p\) library](#)

[safety culture & safety climate](#)

[foundations for safety leadership \(fsl\)](#)

[methylene chloride](#)

[rf radiation awareness](#)

[working in hot weather](#)

[construction face database](#)

[opioid resources](#)

[trench safety](#)

[nail gun safety](#)

[working in cold weather](#)



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research

training

hazard communication

smart mark

hazardous waste training

doe safety culture

disaster response

confined space

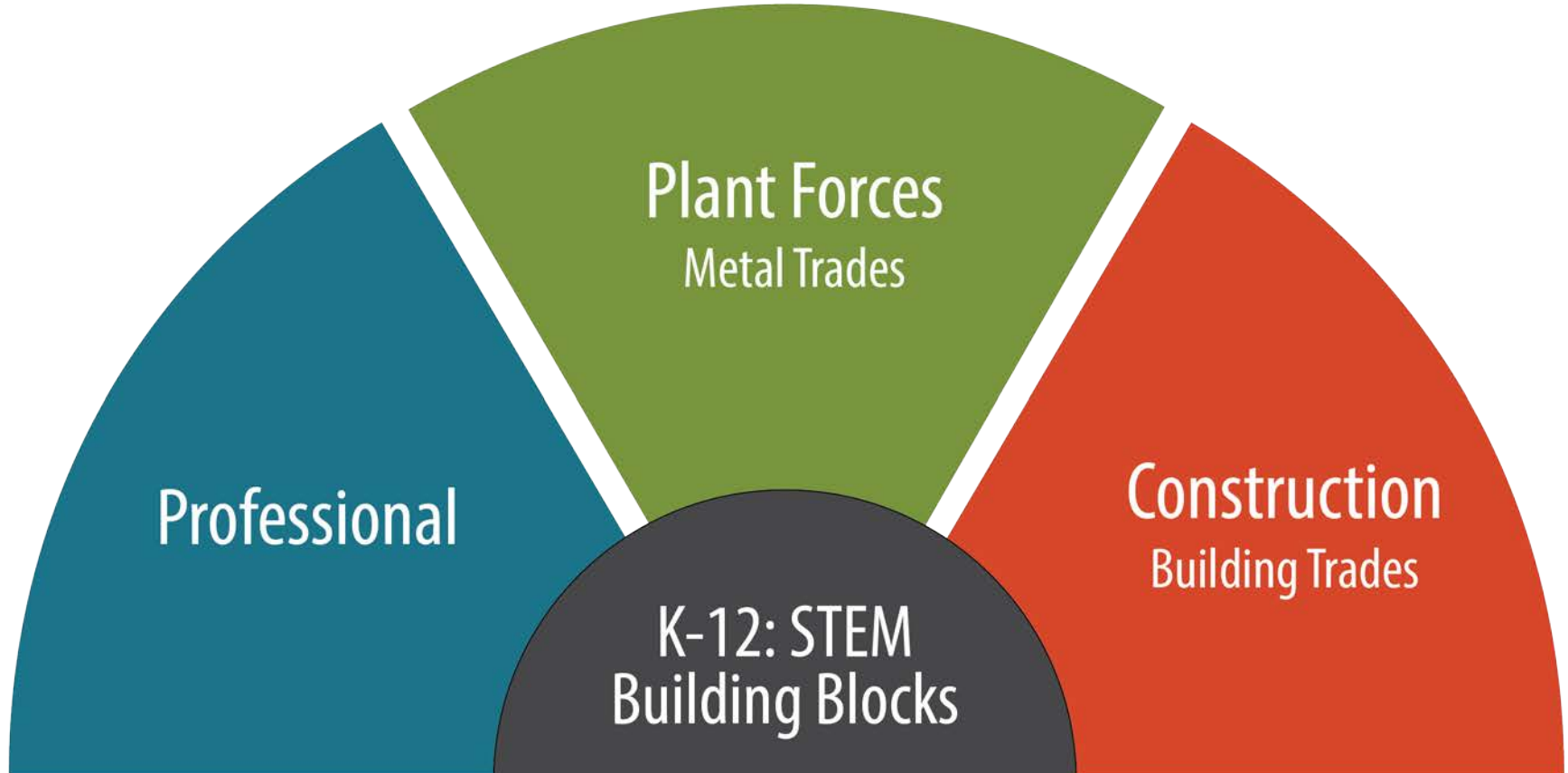
train the trainer

osha education center

environmental career worker

infection control risk assessment (icra)

Workforce Development Plan



Objective: *To maintain a highly-skilled workforce for cleanup activities while establishing bridges for the development and placement of our future workforce*



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research

training

service

medical screening

nuclear worker compensation

tech/ regulatory assistance

advisory committees

mi trabajo seguro



Thank You

Questions?