



THE NATION'S  
**URANIUM PROCESSING FACILITY**

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[www.y12.doe.gov](http://www.y12.doe.gov)

Y-12 NATIONAL SECURITY COMPLEX

# 9212 The Nation's Warhorse



1945

Y-12 NATIONAL SECURITY COMPLEX



# 9212 The Nation's Warhorse



2013

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# UPF: Serving the Nation's Missions For the Next 50 Years



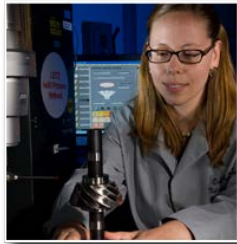
Stockpile  
Refurbishments



Disassembly/Dismantlement



Nuclear Nonproliferation



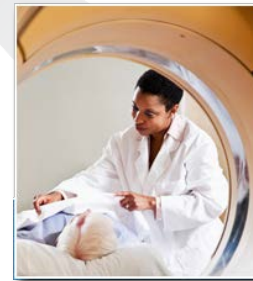
Weapons  
Surveillance



Naval Reactors



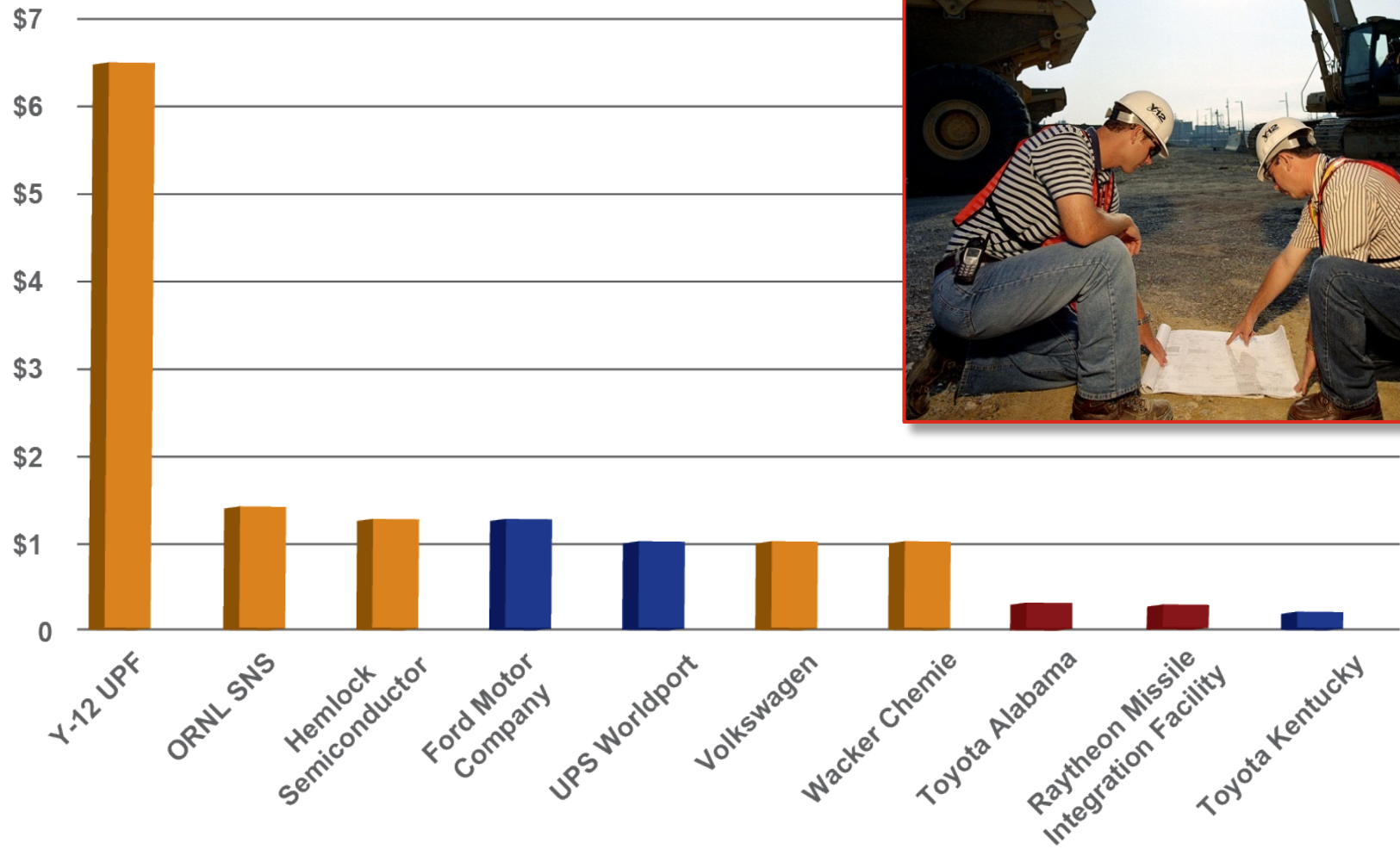
Nuclear Power



Medical Isotopes



# Capital Investments in the Region



# Job Creation



**Office**

~2,500 jobs/year



**Manufacturing**

~1,250 jobs/year



**Construction**

~1,250 jobs/year

1 DOE job = 3.8 jobs supported in other sectors



*Food*



*Housing*



*Utilities*

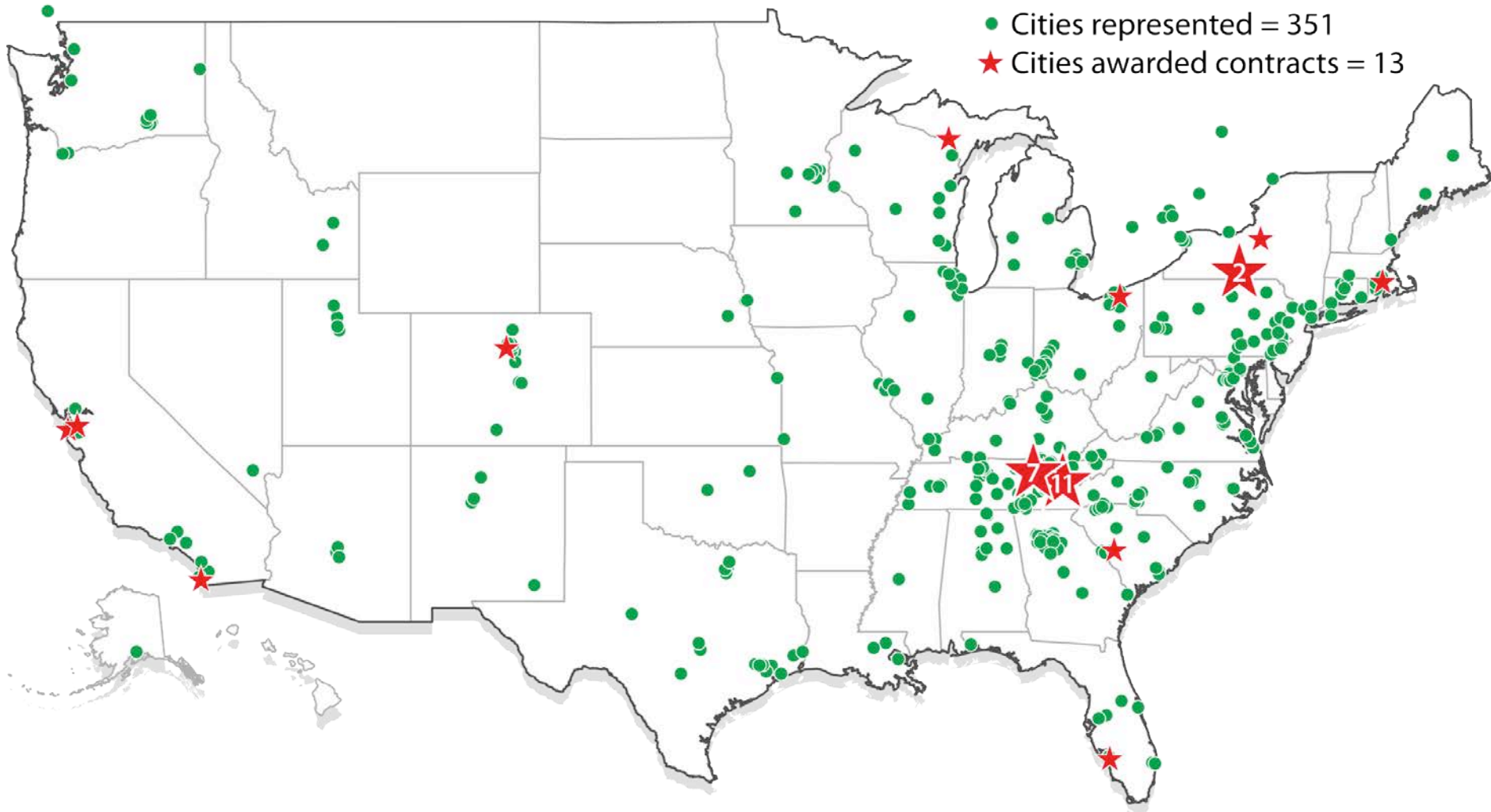


*Transportation*

*Services, etc.*



# Widespread Interest in Becoming a UPF Supplier





Poised for the Field



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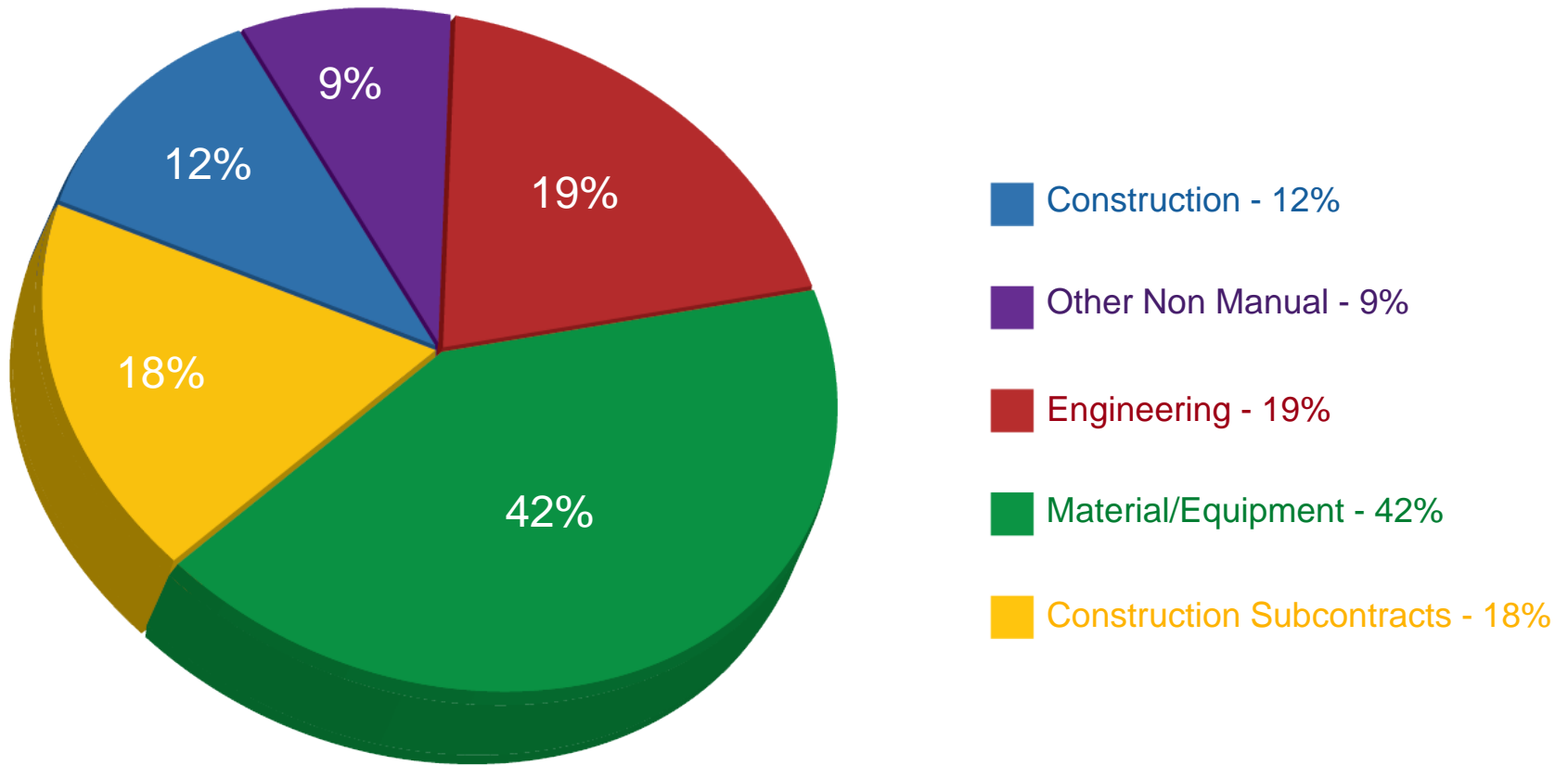




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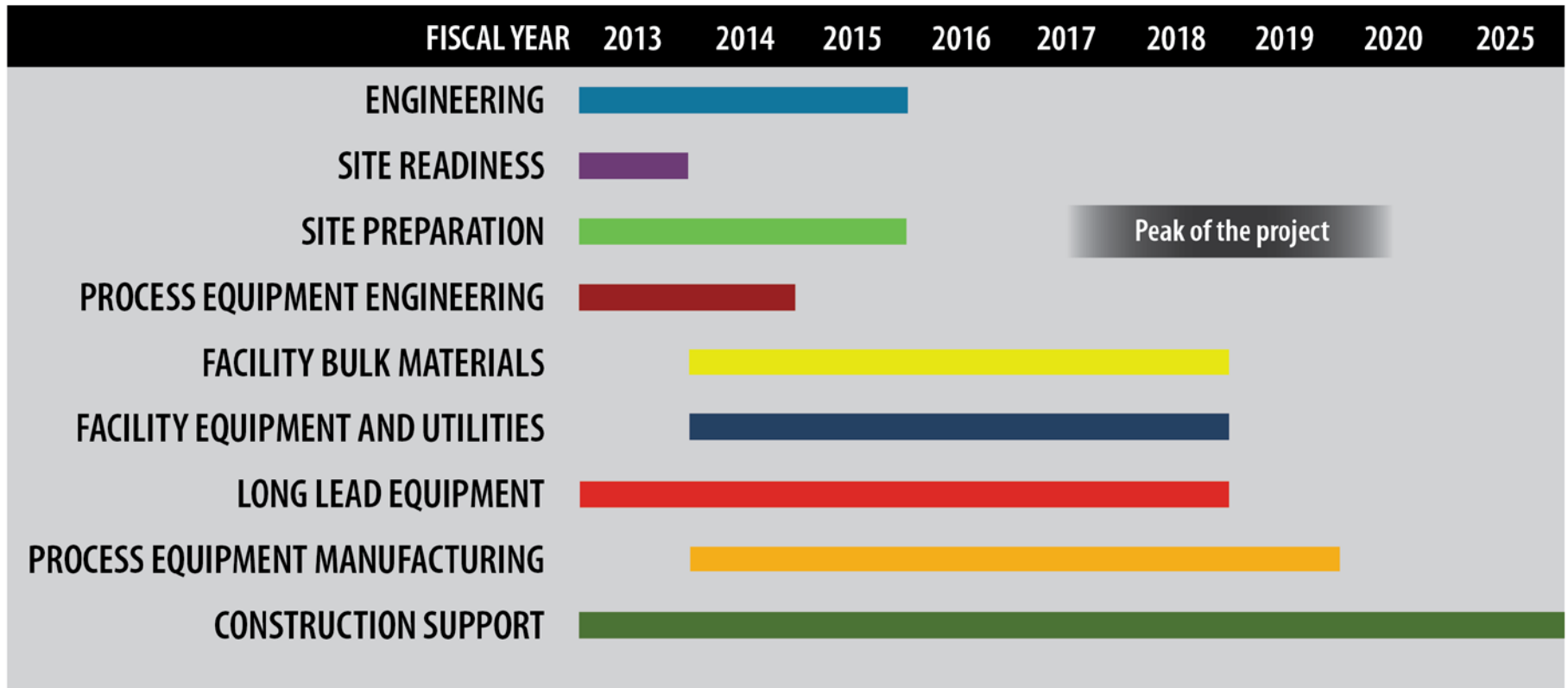
# UPF Cost Breakdown

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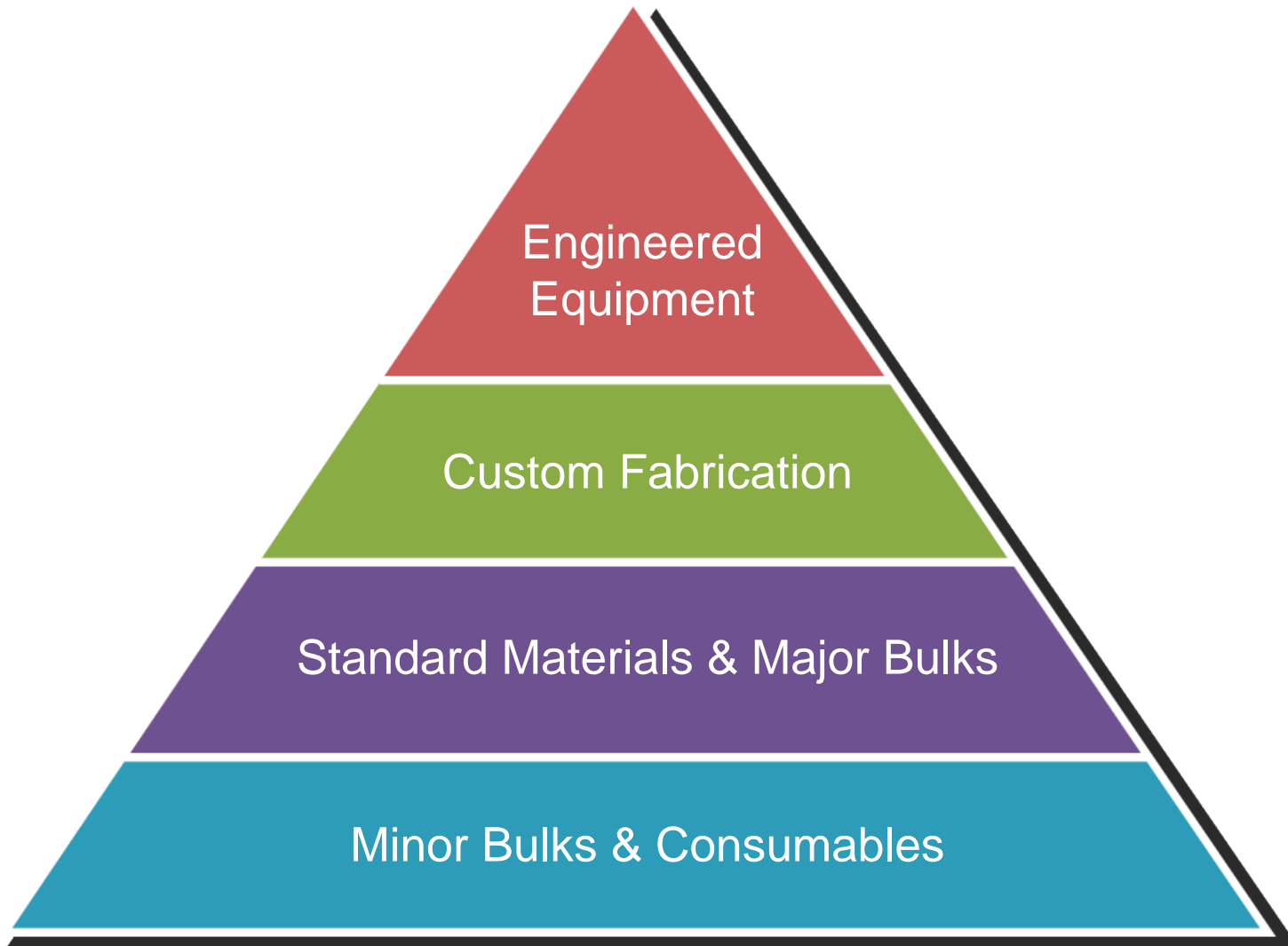




# Procurement Schedule



# UPF Procurement Needs



# UPF Upcoming Bid Requests

## PURCHASE ORDERS

- Electric Tube Conversion Furnaces (Q)
- Hydraulic Break/Shear Press (RS)
- Electric Oxide Furnaces (Q)
- Bottom Loading Furnaces (Q)
- Centrifuges (Q)
- Calciner (Q)
- Vacuum Annealing Furnaces (Q)
- Rebar Detail/Supply/Fabrication (Q)
- Structural Steel (Q)
- Embedments (Q)
- Concrete Formwork (C)
- Office Furniture (C)
- Process & Specialty Skids (Q)
- Gloveboxes/Integration (Q)
- Pipe Hangers (Q)
- Pipe Spools (Q)
- Access Doors (C)

## SUBCONTRACTS

- Horizontal Jack & Bore (C)
- Tower Cranes (C)
- RUBB Tent Upgrade (C)
- Concrete Testing (Q)
- Plug & Abandon Monitoring Wells (C)
- Surveying Services (Q)
- Standard Penetration Testing (Q)
- Construction Labor & Equipment (C)
- Gas Storage Building (C)
- Modular Office Facilities (C)
- Admin Building (C)
- Process Support Facilities (C)
- Welding Management (Q)
- Fireproofing (Q)
- Architectural Finishes (C)
- HVAC Fab / Install (Q)
- Fire Protection (Q)
- Cooling Towers (C)
- Firewater Pump Houses (C)
- Substation (C)
- Insulation (Q)
- Lightning Protection (C)
- Chillers (C)
- Paving (C)
- Roofing (C)
- Painting/Coatings (C)
- Siding (C)
- Fire Detection (Q)

Q – Nuclear Quality NQA-1 2008 w/ 2009 Addendum

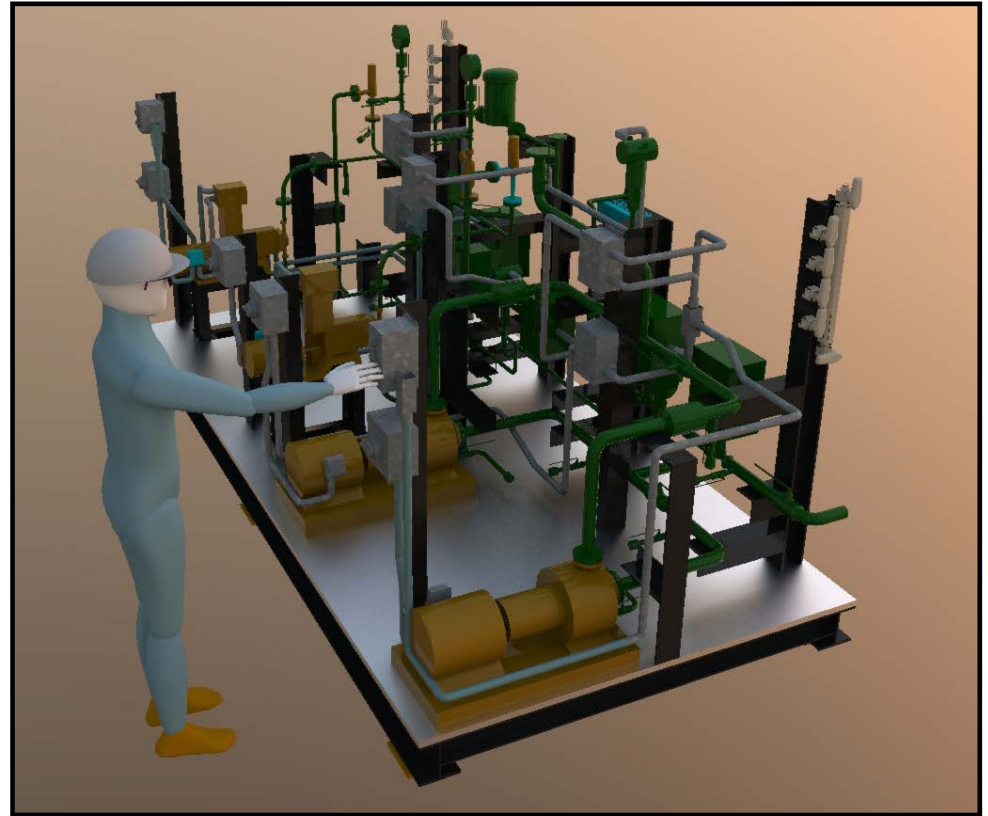
RS – Risk Significant Commercial Produces (ISO 9000)

C – Industrial Commercial Products/Services



# Process Skids: Big Opportunity for Small Business

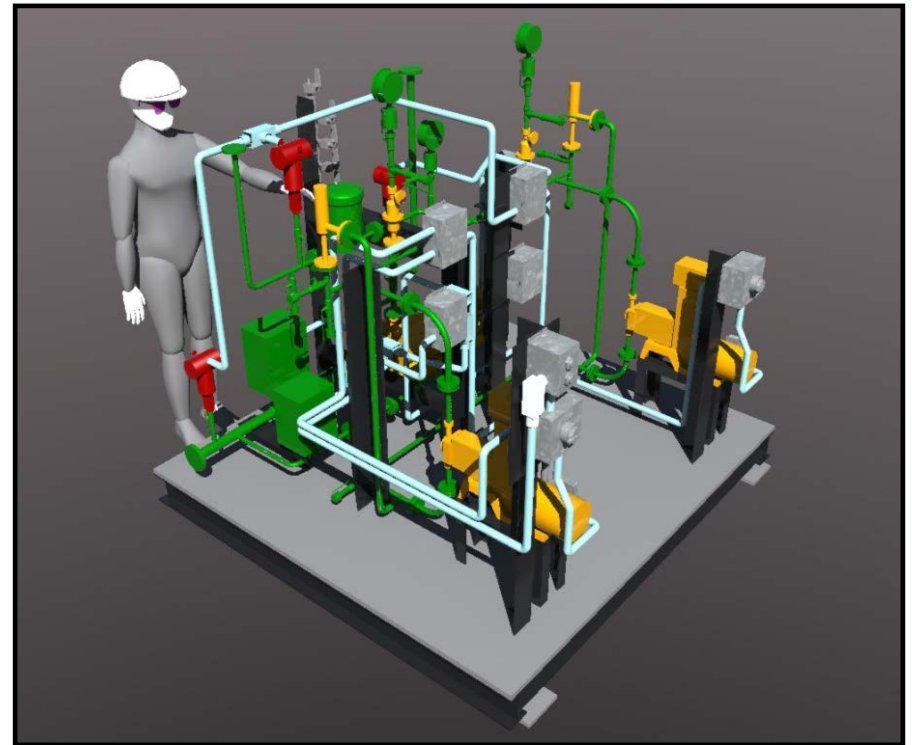
- Estimated 300 skids needed
- \$200- 300 million in procurement opportunities
- Largest category of work



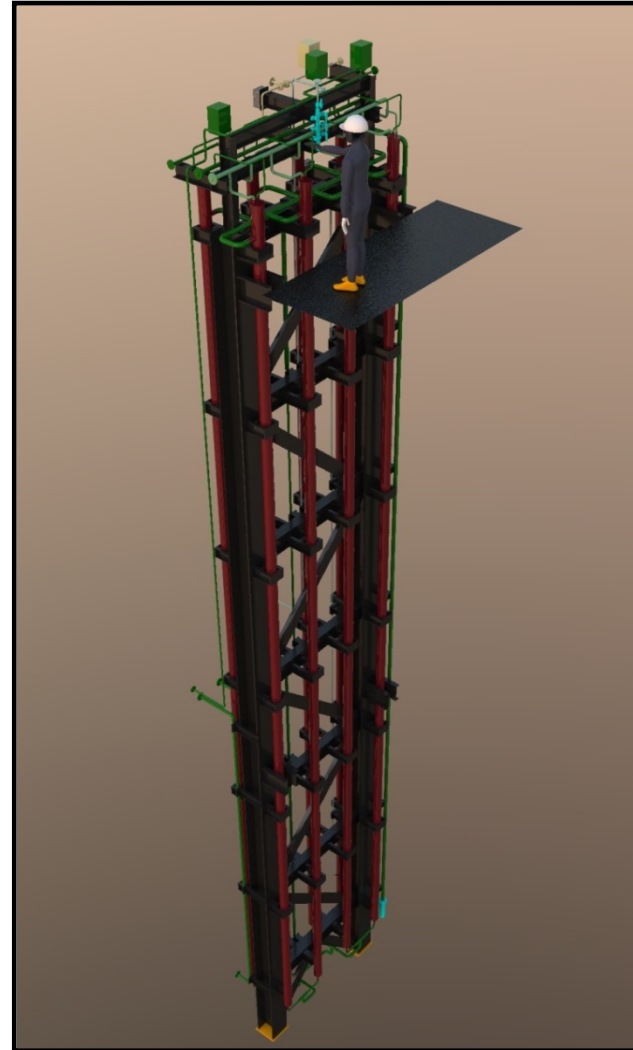
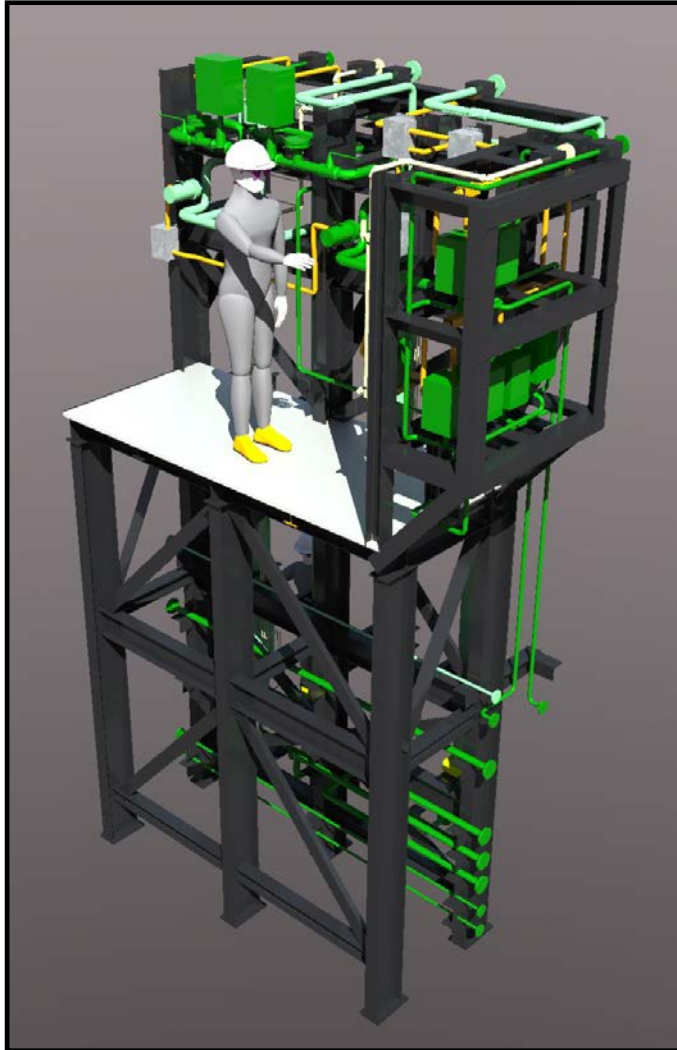
# Process Skids Details

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- Build to Print
- NQA-1 Quality Standards
- Project catalogs for standard components
- Structural steel base plates fabricated to AWS D1.1
- Piping fabricated in accordance to ANSI B31.3
- Stainless steel piping – 316L
- Welding per ASME Section IX



# Process Skids – From 5ft - 46ft





# How do Vendors Sign Up?

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Get listed in UPF Supplier Directory:

865-574-0079

[upfprocurement@y12.doe.gov](mailto:upfprocurement@y12.doe.gov)

Register:

<http://supplier.bechtel.com>

Look for the latest procurements:

<http://www.y12.gov>

Check out FedBizOpps:

<https://www.fbo.gov>



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