

**CONNECTING  
THE DOTS TO  
INNOVATION**



# U.S. ARMY ENGINEER RESEARCH AND DEVELOPMENT CENTER (ERDC)

## SMALL BUSINESS PROGRAM

October 2023



U.S. ARMY



US Army Corps  
of Engineers®



**ERDC**  
ENGINEER RESEARCH & DEVELOPMENT CENTER



# ERDC Locations



## SEVEN LABORATORIES MAKING AN IMPACT ON THE NATION AND WARFIGHTERS

**ERDC Headquarters**  
Vicksburg, Mississippi



**Coastal and Hydraulics Laboratory (CHL)**



**Environmental Laboratory (EL)**



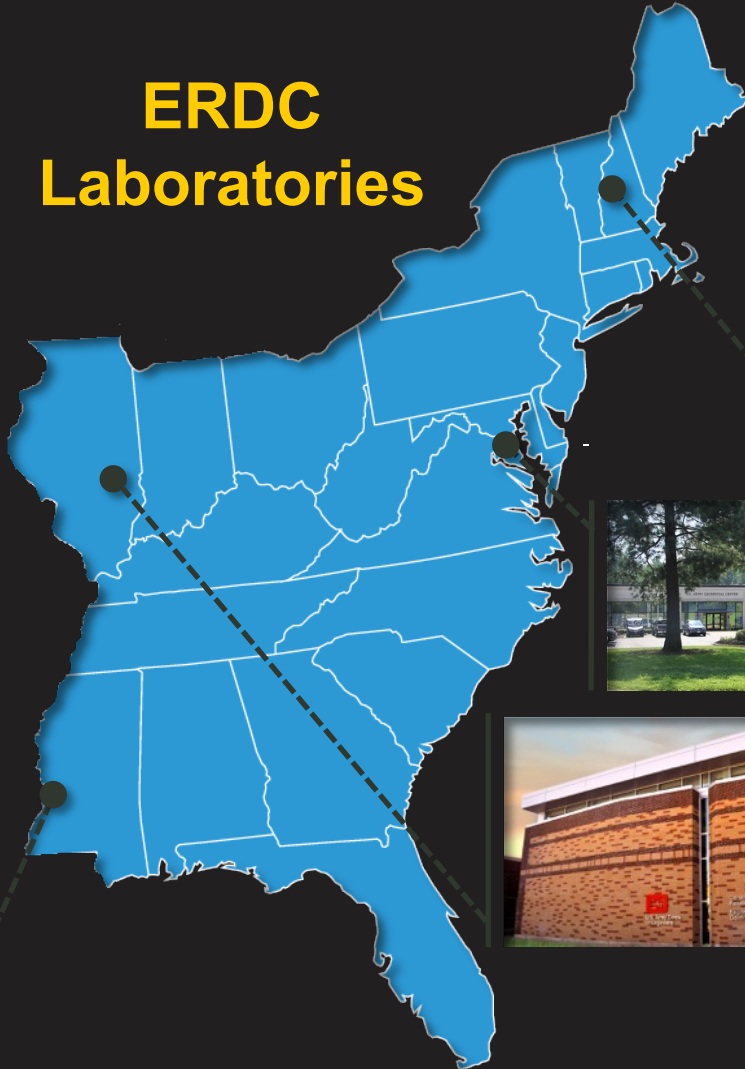
**Geotechnical and Structures Laboratory (GSL)**



**Information Technology Laboratory (ITL)**



### ERDC Laboratories



**Cold Regions Research and Engineering Laboratory (CRREL)**  
Hanover, New Hampshire



**Geospatial Research Laboratory (GRL)**  
Alexandria, Virginia



**Construction Engineering Research Laboratory (CERL)**  
Champaign, Illinois

### Field Offices

**Permafrost Tunnel Research Facility**  
Fox, Alaska

**Alaska Research Office**  
Fairbanks, Alaska

**Lewisville Aquatic Ecosystem Research Facility**  
Lewisville, Texas

**Contingency Base Integration Technology Evaluation Center (CBITEC)**  
Fort Leonard Wood, Missouri

**Field Research Facility**  
Duck, North Carolina

**Corbin Field Station**  
Woodford, Virginia

**Extreme Exposure Station**  
Treat Island, Maine

**ERDC International Research Office**  
London, England





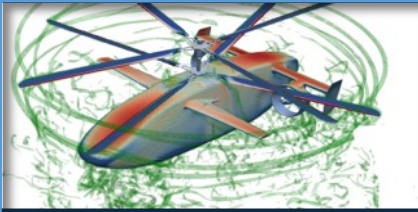
# Delivering Solutions



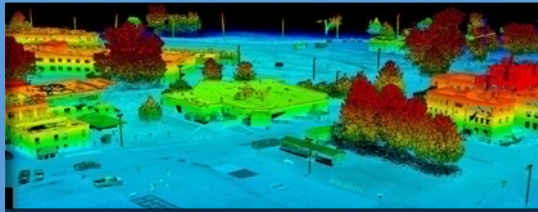
## ERDC'S RESEARCH AND DEVELOPMENT AREAS (RDAs)



**CIVIL WORKS**



**ENGINEERED  
RESILIENT  
SYSTEMS**



**GEOSPATIAL  
RESEARCH &  
ENGINEERING**



**INSTALLATIONS AND  
OPERATIONAL  
ENVIRONMENTS**



**MILITARY  
ENGINEERING**

# RESEARCH & DEVELOPMENT AREAS

## CORE COMPETENCIES

SPECIALIZED ERDC KNOWLEDGE THAT ENABLES OUR RESEARCH AND DEVELOPMENT AREAS



**BATTLESPACE  
TERRAIN MAPPING  
AND  
CHARACTERIZATION**



**BLAST AND  
WEAPONS  
EFFECTS  
ON STRUCTURES AND  
GEO-MATERIALS**



**CIVIL AND  
MILITARY  
ENGINEERING**



**COLD  
REGIONS  
SCIENCE AND  
ENGINEERING**



**COASTAL, RIVER,  
AND  
ENVIRONMENTAL  
ENGINEERING**



**COMPUTATIONAL  
PROTOTYPING OF  
MILITARY  
PLATFORMS**



**MILITARY  
INSTALLATIONS  
AND  
INFRASTRUCTURE**



# Delivering Solutions



ERDC'S WORKING TO SUPPORT USACE'S TOP 10 RESEARCH & DEVELOPMENT PRIORITIES

## TOP 10 USACE R&D PRIORITIES

1 

Mitigate and Adapt to  
**Climate Change**

2 

Win  
**Future Wars**

3 

Modernize  
our Nation's  
**Infrastructure**

4 

Support  
Resilient  
**Communities**

5 

Enable Smart  
and Resilient  
**Installations**

6 

Ensure  
**Environmental**  
Sustainability  
and Resilience

7 

Secure  
Reliable  
**Installation**  
Energy

8 

Revolutionize  
and  
Accelerate  
**Decision**  
Making

9 

Improve  
Cyber and  
Physical  
**Security**

10 

Protect and  
Defend the  
**Arctic**





# ERDC Small Business Programs



The ERDC Office of Small Business Program's goal is to maximize the opportunity for small business concerns to participate in the execution of the ERDC's Mission. ERDC takes pride in fully supporting the Government's policy of placing a fair proportion of contracts with eligible Small, Small Disadvantaged, Service-Disabled Veteran-Owned, Woman Owned, and HUBZone business concerns.



## ERDC Small Business Goals

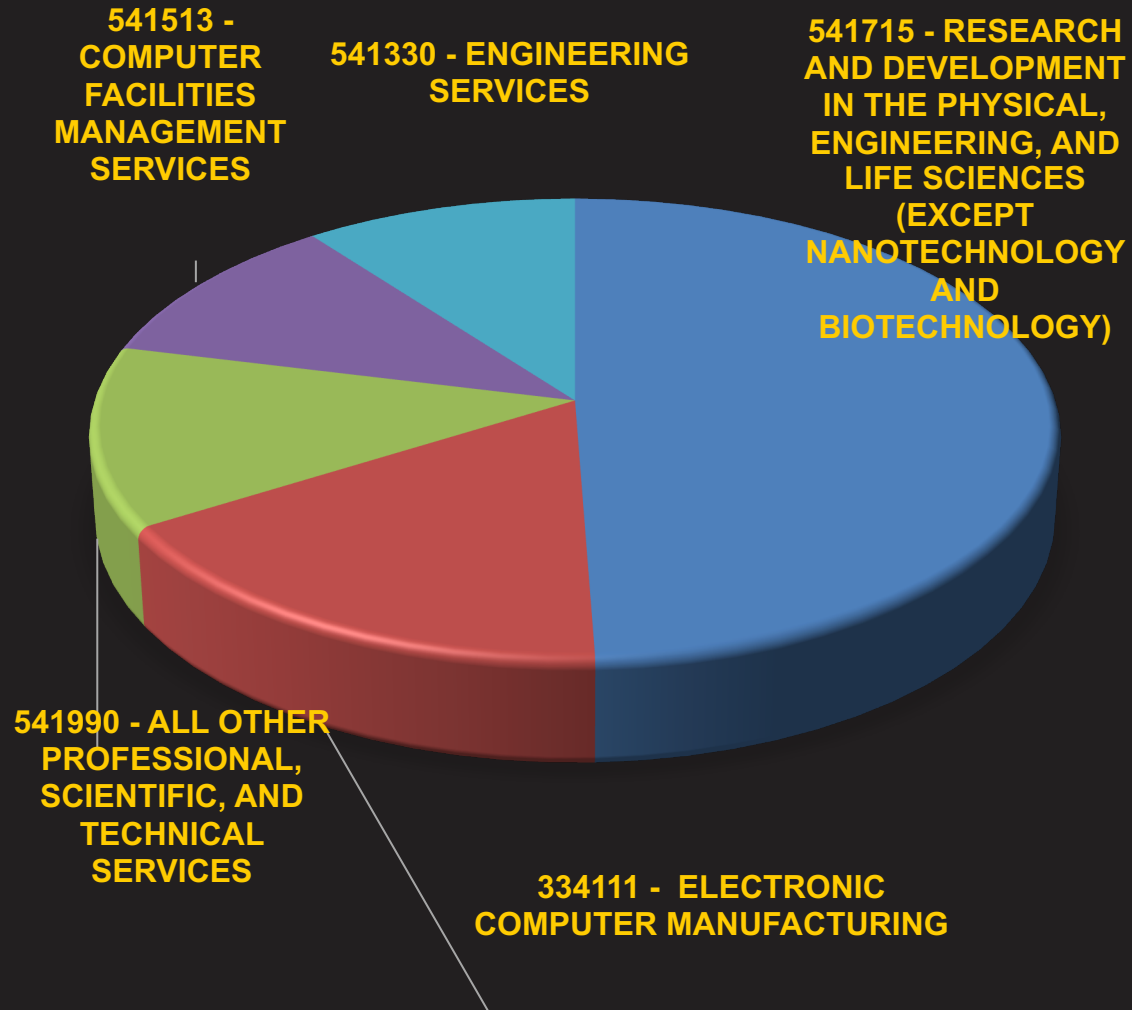
<i>Category</i>	<i>FY 23 SB Obligated thru 9/30/2023</i> \$592,607,252	<i>FY 23 Actual</i>	<i>FY 23 SB Goal</i>	<i>FY 22 Total Obligation</i> \$331,953,816	<i>FY 22 Actual</i>	<i>FY 22 SB Goal</i>	<i>FY21 Total Obligation</i> \$267,386,128	<i>FY 21 Actual</i>	<i>FY 21 SB Goal</i>
<b>SB</b>	\$182,466,583	30.79%	37.41%	\$153,121,900	46.13%	36.41%	\$128,044,050	47.89%	55%
<b>SDB</b>	\$117,397,085	19.81%	20%	\$88,882,655	26.78%	18.60%	\$66,768,382	24.97%	32%
<b>HUBZ</b>	\$19,706,429	3.33%	2.61%	\$10,536,102	3.17%	2.61%	\$9,557,959	3.57%	2.70%
<b>SDVOSB</b>	\$10,884,467	1.84%	4%	\$20,774,135	6.26%	3.08%	\$15,831,025	5.92%	9%
<b>WOSB</b>	\$28,771,386	4.86%	8.55%	\$41,558,190	12.52%	8.55%	\$26,610,637	9.95%	11%



# Doing Business with ERDC



## FY 23 Dollars by Top 5 NAICS Codes



## Services and Supplies

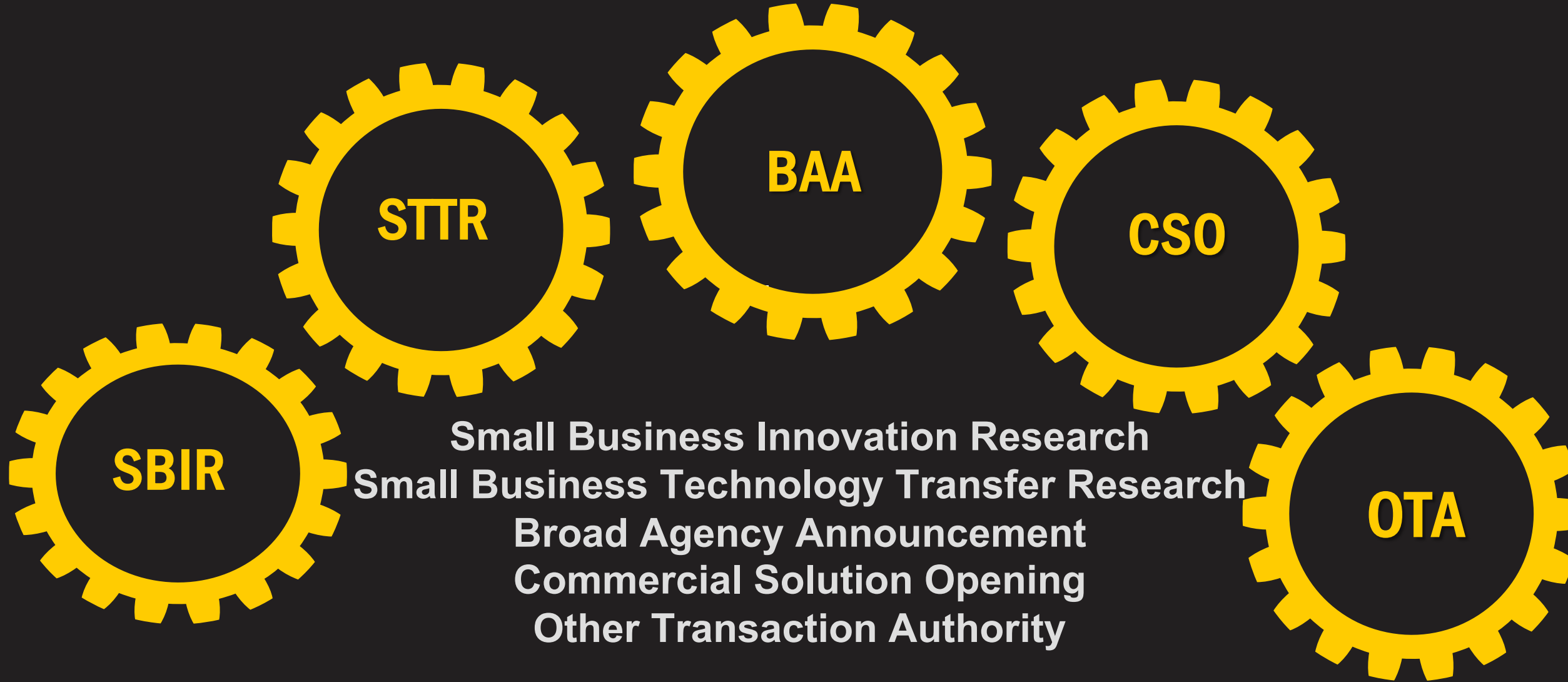
### Procured

- Basic and Applied Research
- Professional Technical Services
- Software Development Services
- Laboratory Equipment and Supplies
- Software Maintenance
- IT Equipment
- Library Subscriptions
- Installation Maintenance Services
- Various Equipment Maintenance and Repair





# Innovative Acquisition Toolbox





## Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR)

- Supports scientific excellence and technological innovation through the investment of Federal research funds in critical American priorities to build a strong national economy
- Encourages domestic small businesses to engage in Federal Research/Research and Development (R/R&D) with the potential for commercialization

## ERDC Broad Agency Announcement (BAA)

- Unrestricted solicitation soliciting proposals for basic and applied research and development not related to the development of a specific system or hardware procurement
- Small business concerns are encouraged to submit research proposals for consideration
- Successful proposal can result in agreements in the form of purchase orders, contracts, grants, or cooperative agreements





## Commercial Solutions Opening (CSO)

- Used to acquire innovative commercial items, technologies, or services
- Awards can be FAR based contracts or Non-FAR Based Grants, Cooperative Agreements, Other Transactions

## Other Transaction Authority – Prototype

- Non-FAR contracting mechanism
- Instrument which allows agencies to enter into transactions “other than” standard Government contracts, grants, and cooperative agreements
- Tool for research and development, particularly for execution of science, technology and prototyping programs
- Legally binding instrument used to carry out prototype projects that are directly relevant to enhancing the mission effectiveness of military personnel and the supporting platform, systems, components, or materials to be acquired by DoD



# Partnership Intermediary Agreement (PIA)



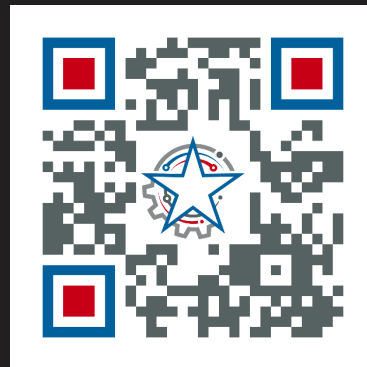




# Connect with ERDCWERX



- Visit [ERDCWERX.org](https://ERDCWERX.org) to view tech challenges, events, and other opportunities
- Browse ERDC patents available for licensing at [ERDCInnovation.org](https://ERDCInnovation.org)
- Follow [@ERDCWERX](https://twitter.com/ERDCWERX) on social media
- Join the ecosystem





# Current Real-Time Opportunities



## Commercial Solutions Opportunities



### Civil Works CSO

Deadline – Open through  
May 22, 2024

ERDC seeks to obtain innovative solutions that progress R&D efforts or advance civil works science and engineering capabilities.

CIVIL WORKS, COMMERCIAL SOLUTIONS



### Emergency and Operational Support CSO

Deadline – Open through  
November 7, 2023

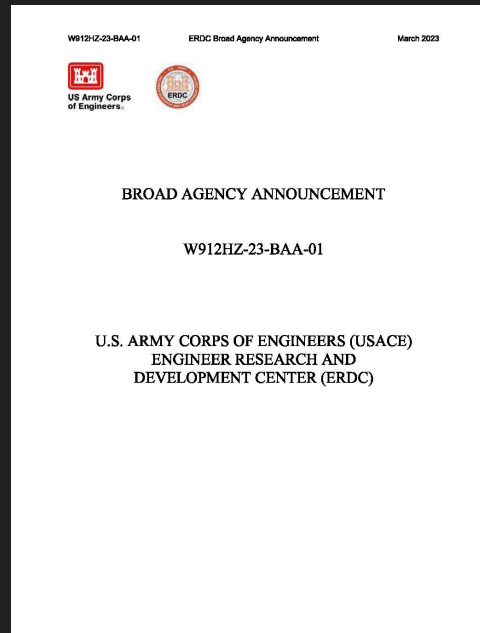
ERDC's Construction Engineering Research Laboratory (CERL) is seeking solutions to develop, improve, and deliver operational energy capabilities in support of both military and civilian mission sets of the U.S. Army Corps of Engineers.

COMMERCIAL SOLUTIONS, EMERGENCY AND OPERATIONAL SUPPORT

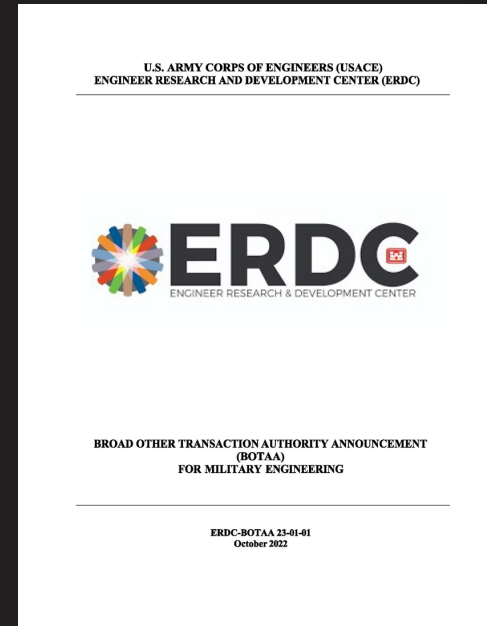
<https://www.erdcwerx.org/commercial-solutions.html>

## Other Transaction Agreements

### ERDC BAA



<https://www.erdcwerx.org/u-s-army-engineer-research-and-development-center-broad-agency-announcement/>



<https://www.erdcwerx.org/prototype-opportunities.html>





# FY 24 Forecasted Business Opportunities



Opportunity Description	Solicitation/ Advertise Date	NAICS	Est Value	Solicitation Type	SBSA
Pest Control Services (CRREL -Hanover, NH)	FY24 1st Quarter	561710	\$175K	RFP	Small Business Set Aside
Fire Sprinkler and Extinguisher Services (CRREL Hanover, NH)	FY24 3 <sup>rd</sup> Quarter	561621	\$300K	RFP	Small Business Set Aside
ERDC Refuse Services	FY24 1 <sup>st</sup> Quarter	562111	\$1.2M	RFP	SDVOSB
ERDC Equipment Maintenance Services	FY24 2 <sup>nd</sup> Quarter	811310	\$3.3M	RFP	Set Aside to be determined
ERDC Mechanical Maintenance Services	FY24 3 <sup>rd</sup> Quarter	238220	\$10M	RFP	SDVOSB
ERDC Pest Control Services	FY24 1 <sup>st</sup> Quarter	561710	\$300K	RFP	SDVOSB
Technical and Professional Services (CRREL-Hanover, NH)	FY24 2 <sup>nd</sup> Quarter	541715	\$4M	RFP/MATOC	SDVOSB
Research and Development of Genomics and Synthetic Services	FY24 1 <sup>st</sup> Quarter	541714	\$4M	RFP/SATOC	Small Business Set Aside
*ERDC Broad Agency Announcement (BAA) W912HZ22BAA01	Open Continuously	541715	--	Pre-Proposal	Full and Open Competition
*Commercial Solutions Openings -Civil Works CSO -Geospatial Research Laboratory -Emergency and Operational Support -Cold Research and Engineering Laboratory	Open Continuously through varies dates	--	--	Solution Proposal	Full and Open Competition



# Where to find Contract Opportunities



ERDC's source for opportunities can be found at [www.sam.gov](http://www.sam.gov) and [www.erdowerx.org](http://www.erdowerx.org)

## The DoD Activity Address Codes (DODAAC)

- W912HZ CHL, EL, GSL, ITL Vicksburg, MS
- W9132T CERL Champaign, IL
- W9132V GRL Alexandria, VA
- W913E5 CRREL Hanover, NH
- W91C9G Special Programs Vicksburg, MS

Entering the "W2R2" in *Keyword/Solicitation* will show all ERDC contracting activity, such as solicitations, notices, awards, etc., for all locations





# Additional Resources



***Visit the Contracting Guide to Doing Business with the U.S. Army Corps of Engineers Page***

***[https://www.usace.army.mil/Portals/2/docs/Contracting/USACE%20Contracting%20Customer%20Guide%20Flyer\\_05May2020.pdf?ver=2020-05-07-094234-660](https://www.usace.army.mil/Portals/2/docs/Contracting/USACE%20Contracting%20Customer%20Guide%20Flyer_05May2020.pdf?ver=2020-05-07-094234-660)***

***Doing Business with U.S. Army Corps of Engineers***

***<https://www.youtube.com/watch?v=yqRxf85MQaM>***

# CONNECT WITH US

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