

**CONNECTING  
THE DOTS TO  
INNOVATION**



# The Power of Partnering

**JEANNETTE JABOUR** | Technology, Knowledge & Outreach Div - ORTT

**30 OCT 2024** | ERDC Day at MSU

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**US Army Corps  
of Engineers**

**U.S. ARMY**



# Outline

- What is Technology Transfer?
- How to Partner with ERDC?
- Examples
- Where to Start?
- Resources
- Connect with Us

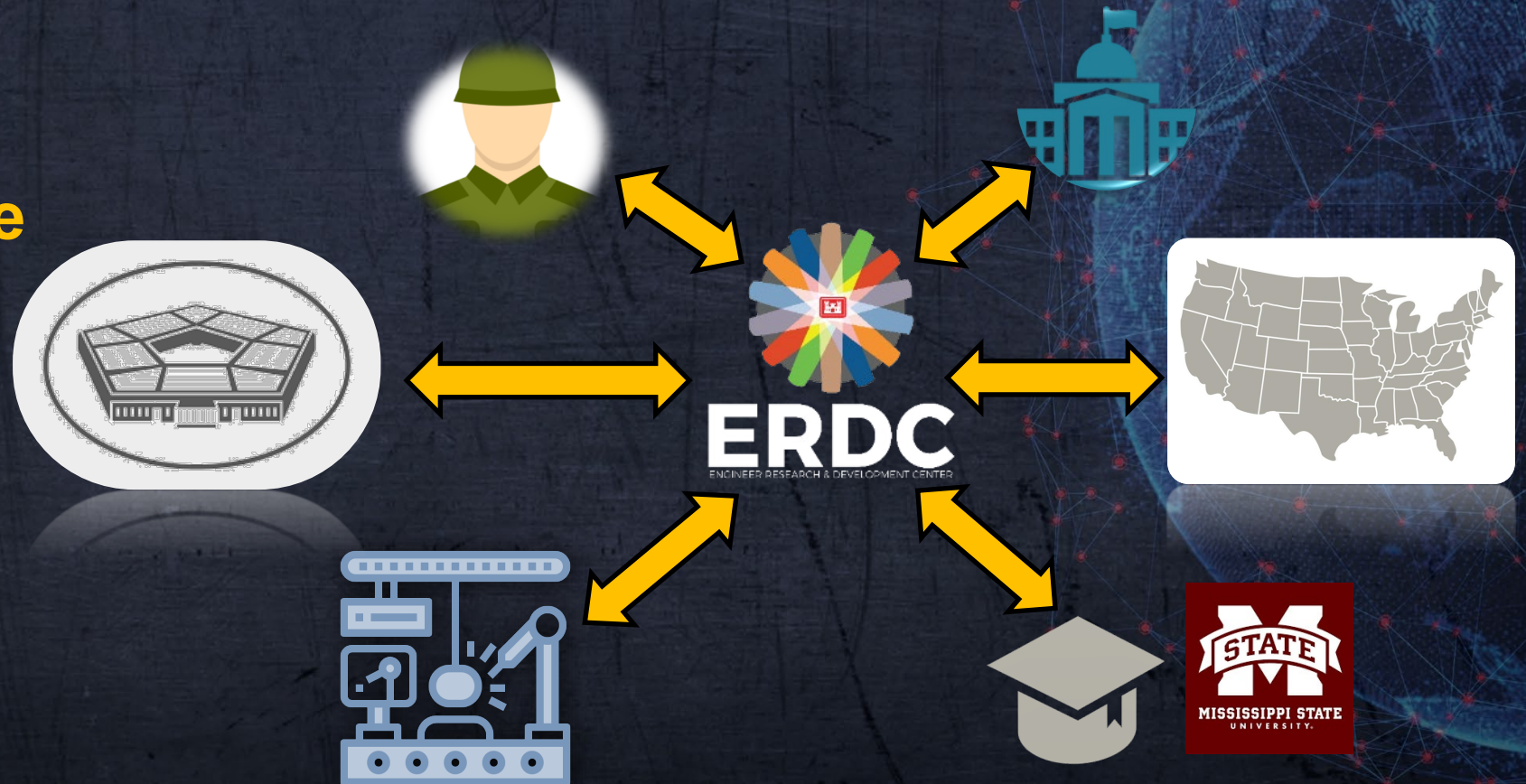




# What is Technology Transfer (T2)?

Technology transfer is the process by which existing knowledge, facilities or capabilities developed under federal research & development (R&D) funding are intentionally shared and/or utilized to fulfill public and private needs.

*Or simply, It's how we  
Partner with others*

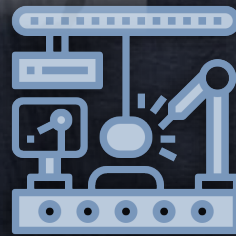
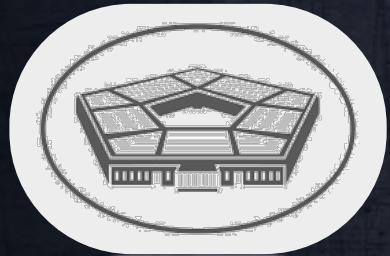




# How to Partner with ERDC

ENGINEER RESEARCH & DEVELOPMENT CENTER

## 1. Who are you?



## 2. What do you want to do with ERDC?

R&D

Provide Support/Service

Develop Prototype

License IP

## 3. Who pays for partnership?



#1





# Partnering Mechanisms with ERDC

## Research & Development

- CRADA – Cooperative Research and Development Agreement
- EPA – Educational Partnership Agreement
- ICA – Intergovernmental Cooperative Agreement
- MOU – Memorandum of Understanding
- Contracts & Grants
  - BAA – Broad Agency Announcement
  - Research Contracts
  - CESU – Cooperative Ecosystem Studies Units
  - Cooperative Agreement

## Support/Service

- SA – Service Agreement
- TSA – Testing Service Agreement
- MTA – Material Transfer Agreement
- MOA – Memorandum of Agreement
- IAA – Interagency Agreement/7600 Support Agreement
- Contracts
  - Service Contracts
  - CSO – Commercial Solutions Openings

## Licensing for Intellectual Property

- Patent License Agreement
  - Evaluation License
  - Commercial License

## Prototypes

- BOTAA – Broad Other Transaction Authority Announcement
- OTA – Other Transaction Agreement



# Cooperative Research and Development Agreement (CRADA)

*CRADAs are appropriate when ideas, staff, materials, equipment is to be exchanged over a period of time for the purpose of collaboration and/or an invention may result.*



**Ongoing CRADA with MSU – Raspet Flight Research Laboratory**

**Agreement No: C-2023-ERDC-5172**

**Expires: April 30, 2028**

**MSU POC: Ms. Kacey Strickland**

**ERDC POC: Ms. Jenny Laird**

**Purpose: Share and conduct joint R&D investigations related to Uncrewed Aviation and Remote Systems Efforts**

- 1. Provide laboratory Engineers and Scientists to collect data**
- 2. Exchange research study results and technical information**
- 3. Provide expert consultations related to understanding changes and governing processes**



# Educational Partnership Agreement (EPA)

*EPAs serve to establish the basis for cooperative interactions between ERDC and an educational institution, primarily to promote and enhance science and engineering education.*



**Agreement No: EPA-2018-ERDC-4-1**

**Expires: March 7, 2027**

**MSU POC: Ms. Daphne Knox**

**ERDC POC: Dr. Stan Woodson**

**Purpose:**

- 1. Encourage and enhance academic study in science, mathematics, and engineering disciplines**
- 2. Support graduate study and research in scientific and engineering areas of mutual interest**
- 3. Establish the policies and procedures for MSU to participate as a member of ERDC's Graduate Institute**



# Broad Agency Announcement (BAA)

*BAAAs are used to obtain proposals for basic and applied research and development to advance or evaluate cutting edge technologies, not related to a specific system or hardware requirement.*

**Agreement No: W912HZ-23-C-0012**

**Expires: December 19, 2025**

**MSU POC: Dr. Clay Walden**

**ERDC POC: Mr. Tim Dunaway**

**Project Objective:**

**Provide significant scientific and technical advancements around Advanced and Additive Manufacturing, driven by high-performance computing. This program will draw upon the technical enhancements from Artificial Intelligence (AI) and Machine Learning (ML) to demonstrate the capability to deploy such a system.**





# Other Transaction Agreement (OTA)

*An Other Transaction Agreement (OTA) is an acquisition instrument which allows DoD to carry out prototype projects that are directly relevant to enhancing the mission effectiveness of military personnel and the supporting platforms, systems, components, or materials proposed to be acquired or developed by the DoD, OR the improvement of platforms, systems, components, or materials in use by the armed forces”.*



**Agreement No: W912HZ-24-C-0019**

**Expires: August 15, 2026**

**MSU POC: Dr. Clay Walden**

**ERDC POC: Ms. Allison Hudson**

**Project Objective:**

- 1. Digital Twin Immersive Environment (DTIE) Prototype**
- 2. Digital Twin Proving Ground (DTPG) Prototype**



## **Broad Other Transaction Authority Announcement (BOTAA)**

- Continuously open, competitive announcements that allow the government to identify broad topic areas for investment which allow industry to submit white paper solutions
  - Military Engineering (ME) - 10 Focus Areas
  - Engineered Resilient Systems (ERS) - 7 Focus Areas



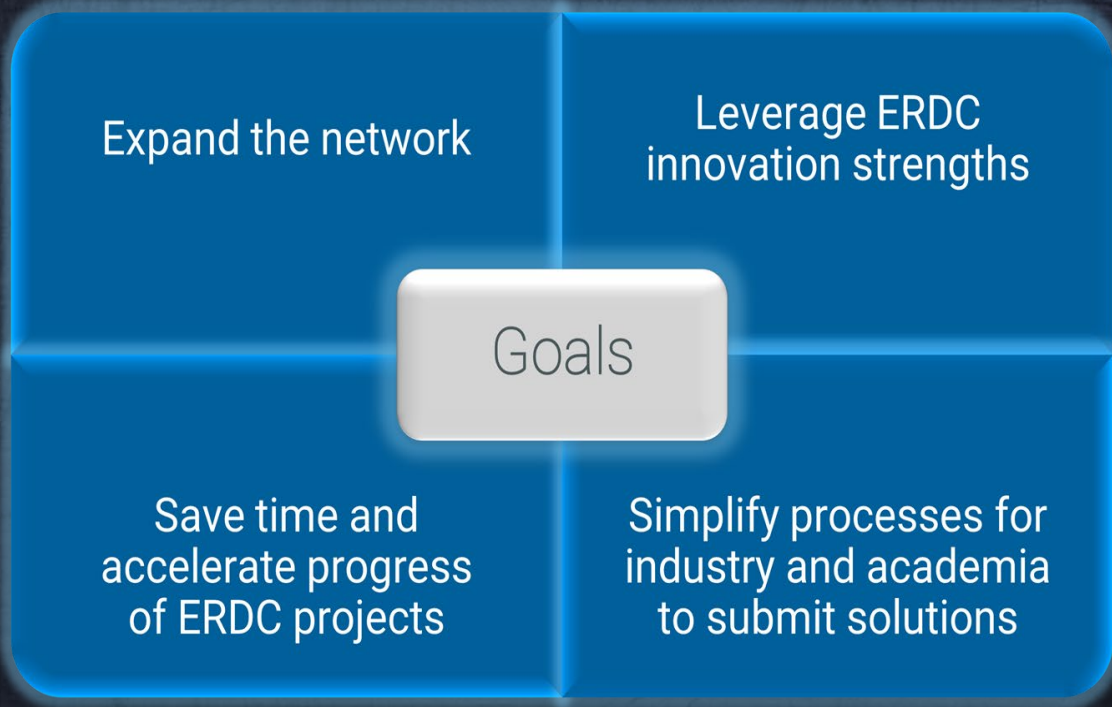
# Where to Start?

## Partnership Intermediary Agreement

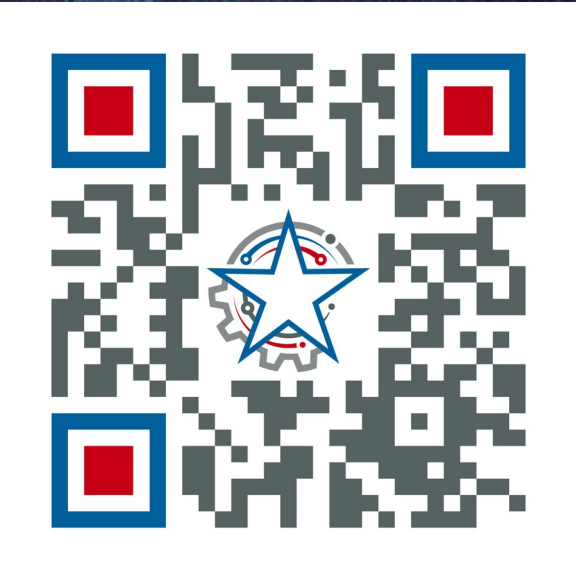
*A Partnership Intermediary Agreement (PIA) is a contract, agreement, or memorandum of understanding with a non-profit partnership intermediary to engage academia and industry on behalf of the government to accelerate tech transfer and licensing.*







[ERDCinnovation.org](http://ERDCinnovation.org)



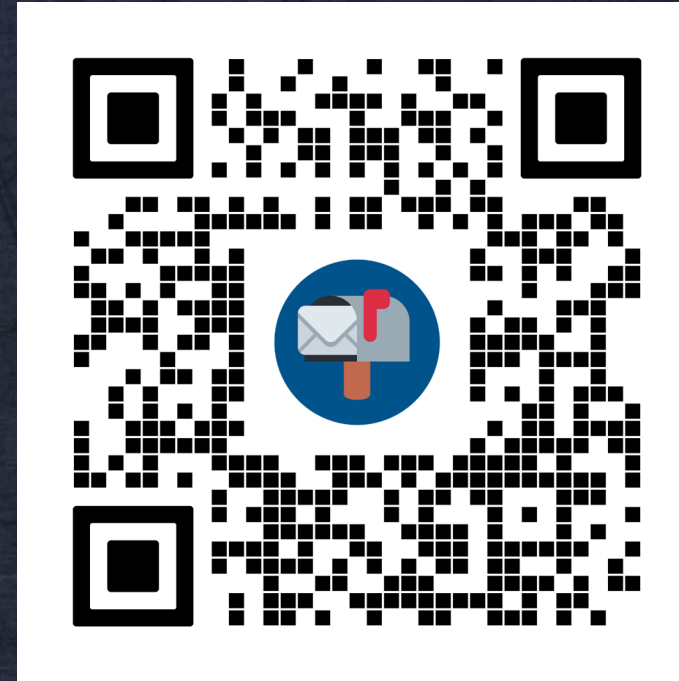
[ERDCWERX.org](http://ERDCWERX.org)



# HELPFUL RESOURCES



Doing Business with ERDC



Email: [TTO@usace.army.mil](mailto:TTO@usace.army.mil)



# CONNECT WITH US

**Jeannette (Jenny) Jabour**

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Office of Research and Technology Transfer

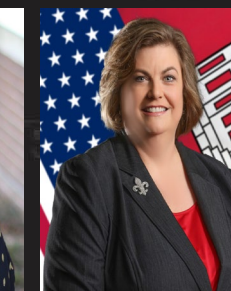
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