

# + OVERVIEW

## WHAT IS MILTECH?

A tech transition  
**Partnership Intermediary**  
between Montana State University and the  
Department of Defense and the Department of  
Homeland Security.

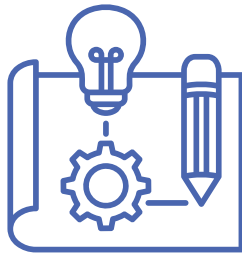
15 U.S.C. 3715

## OUR MISSION

MilTech accelerates the transition of new technologies  
to the U.S. government.

MilTech is tasked by DOD and DHS to solve design, information research, and manufacturing challenges in partnership with industry and academia. Results are often improved decision making, reduced costs, and rapid fielding.

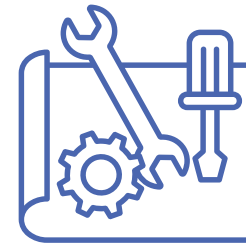
## CORE COMPETENCIES



DESIGN, DESIGN REVIEW,  
PROTOTYPES



INFORMATION RESEARCH  
AND ANALYSIS



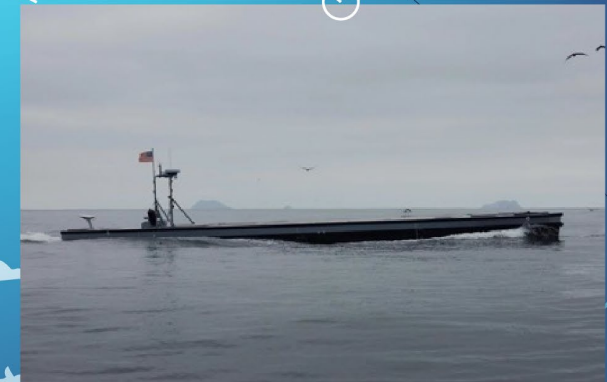
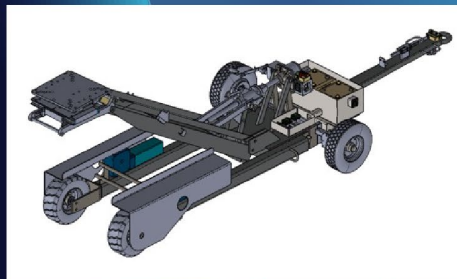
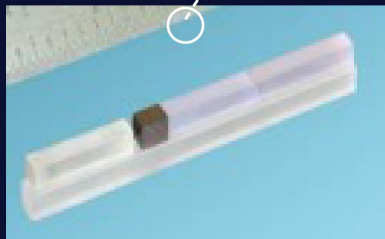
MANUFACTURING & PROCESS  
IMPROVEMENT EXPERTISE

**100% FEDERAL FUNDING | ZERO STATE FUNDING**

# + IMPACT ON NATIONAL SECURITY



**~600**  
PROJECTS COMPLETED SINCE 2004



# + MONTANA IMPACT

## \$270M

RESEARCH EXPENDITURES SINCE  
FOUNDING

## \$44M

RESEARCH EXPENDITURES  
IN 2024



# 200

PROJECTS ENGAGING MONTANA COMPANIES IN  
THE LAST FIVE YEARS



## ~100

EMPLOYEES  
25% MSU ALUMNI  
30% VETERANS

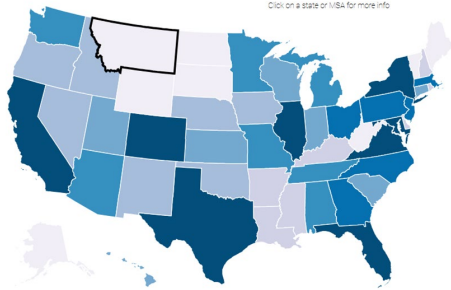
## 71

MONTANA-BASED  
EMPLOYEES

## 15-20

STUDENT EMPLOYEES EVERY YEAR

# Digital Security: Cybersecurity Workforce



## Montana Cybersecurity Workforce

Current: Employed (2565)

Job Openings (1414)

(Sept. 2023 - Aug. 2024, cyberseek.org)

## Cost of a Cyber Attack

Data Breach (\$4.88m)

(2024, <https://www.ibm.com/reports/data-breach>)



Missoula College (2017)

Great Falls College (2019)

Gallatin College (2023)

- Shared Learning Outcomes (curriculum)
- Faculty Qualifications
- Community Outreach & Partnerships
- Continuous Improvement Processes

# Montana Cyber Range (MCR) - CyberHub



## Practice and Lab Exercises

Hands-on training to build a cybersecurity workforce to meet critical needs of Montana industry.

## Security Operations Center (SOC)

Live threat monitoring to defend rural municipalities and train Montana students.

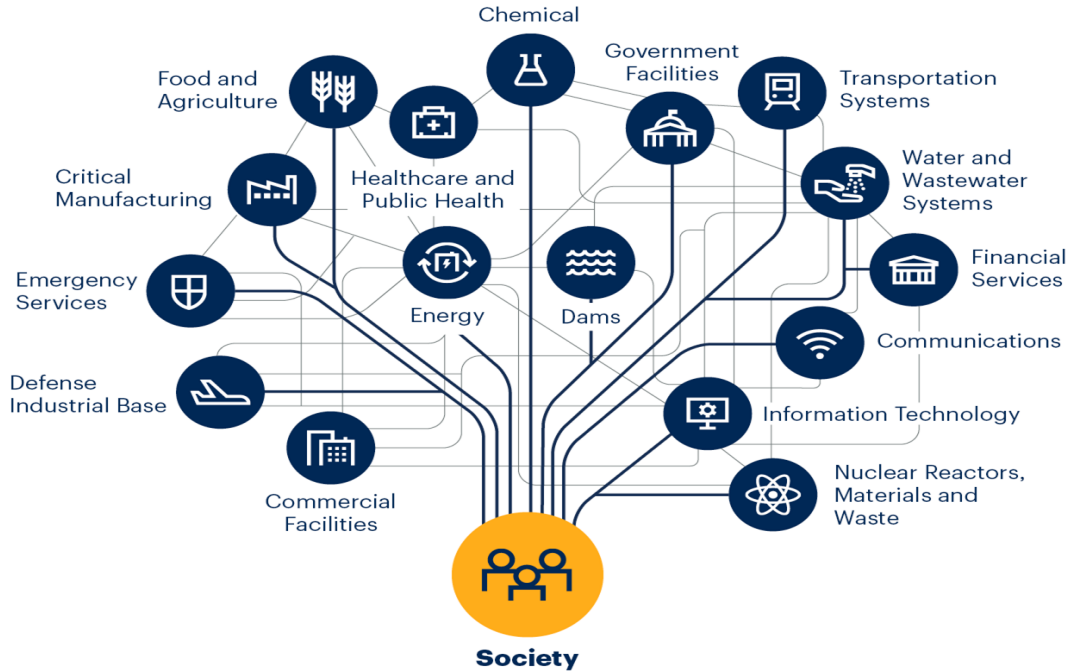
## Competitions and Challenges

Real-world skill building through competitive scenarios that prepare learners for cyber defense.

## Action Research

A platform for testing innovative cybersecurity solutions, advancing practical skills and professional expertise.

# Cybersecurity & Infrastructure Security Agency (CISA)

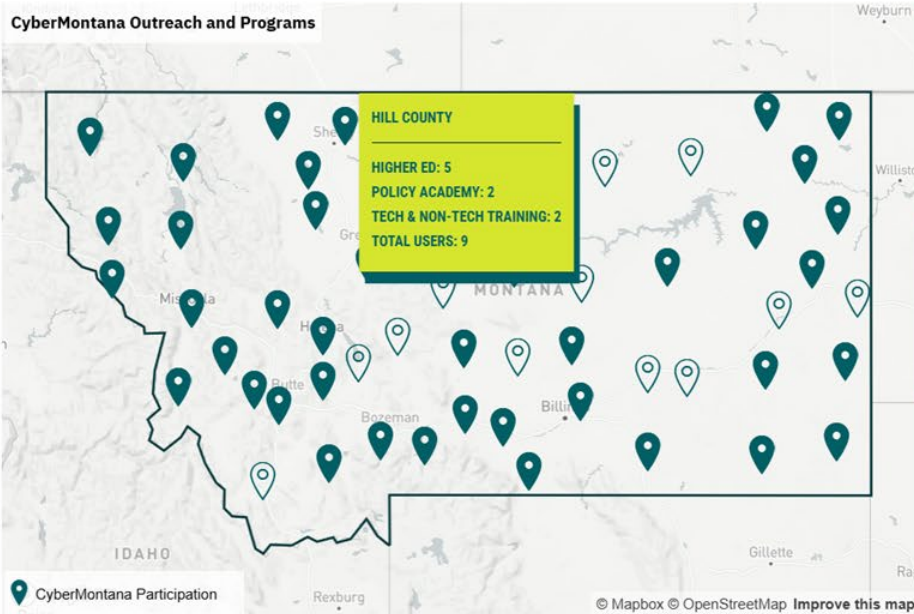


## Critical Infrastructure Sectors: The Rural Energy Grid

- **Chris Huddleston, IT Analyst**  
Ravalli County Electric Coop
- **Lea Potoczny, CEO**  
Montana Electric Coop. Assoc. (MECA)

## Defense and Homeland Security: Digital Security

# CyberMontana - CyberHub



## About *CyberMontana*

CyberMontana is a statewide Legislature-funded initiative that offers cybersecurity education for all residents. Our training includes security awareness and workforce development. Our cybersecurity training includes security awareness training and workforce development for businesses and residents of Montana. Educational opportunities include programs for adults, high school students, and middle school students. Our goal is to increase the cybersecurity defensive posture for all of Montana.

The statewide map shows the cumulative number of participants in CyberMontana programs across all counties, broken out by the program. Our goal is to engage residents across all of Montana's 56 counties

Click the map to learn more about our outreach and programs.