

# Build to Scale Workshop

US Economic Development Administration (EDA)



North American  
Intelligent Manufacturing  
Initiative



REGIONAL  
DEVELOPMENT  
CORPORATION

# NAIMI



North American  
Intelligent Manufacturing  
Initiative

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Providing Solutions for the Manufacturing Industry



## Supporting American Manufacturing Jobs

The North American Intelligent Manufacturing Initiative (NAIMI) is working to make manufacturing in the United States globally competitive. Reversing the decline in U.S. manufacturing jobs is a real challenge that requires a new approach. NAIMI achieves growth of manufacturing jobs by using the U.S. world leadership in innovation, entrepreneurship, and R&D, coupled that with advanced ICT (Information and Communication Technology) capabilities, and integrates the economic, workforce, and technology aspects that affect manufacturing. The bottom line is that NAIMI can achieve our goal by working with you to make manufactured goods better, cheaper, faster, and cleaner.

[Visit our website at:https://naimi.us/](https://naimi.us/)

# Build to Scale Grant

- NAIMI Grant:
  - Advance a **strong cybersecurity/IT workforce** in the electric grid and advanced manufacturing sectors
    - Builds on NAIMI Clean Energy Economy Roadmap
- 3 year, \$300K grant
  - NAIMI is providing matching effort.
  - NAIMI has responsibility to lead all aspect.
  - Development of a skilled workforce is central to this effort.

# Challenges

## Electric Grid

- The aging U.S. energy grid infrastructure is highly vulnerable to cyberattacks, physical incidents and existential threats.
  - A smart grid addresses these issues.

## Advanced Manufacturing

- AI coupled with additive manufacturing is poised to enable new classes of manufacturing:
  - Time, cost, and materials savings in large-scale manufacturing
  - Unique component/complex small job lots
  - Quicker time-to-market for products.
  - Better QA due to elimination of joints in products.

# Opportunities

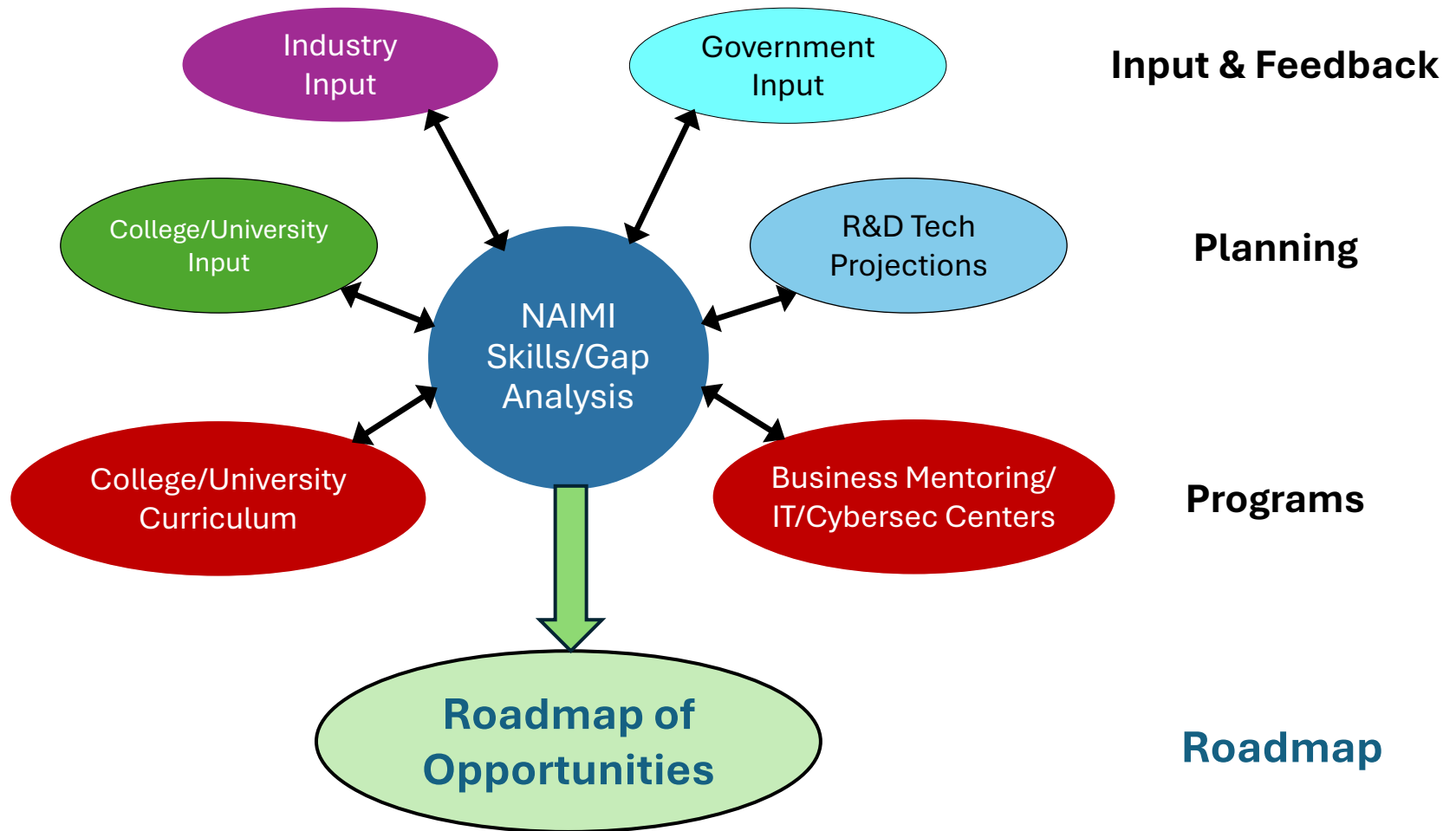
- The U.S. Bureau of Labor Statistics projects:
  - “Information security analyst” will be the 10th fastest growing occupation over the next decade.
  - These jobs have an expected employment growth rate of 31%.
  - Majority of these mid-level positions only require certifications, which allows employers to cast a wider net for candidates.
- Cybersecurity Ventures reports:
  - Global cybersecurity job vacancies grew to more than 3.5 million jobs world-wide in 2025.
  - The number of unfilled jobs in 2025 in the United States is more than 265,000 positions.
  - A strong labor market exists for IT skills for the smart grid and advanced manufacturing.

# Benefits to Partnership

- NAIMI has developed a short survey to understand employment workforce needs as well as education and skills needed in key technical areas.
- NAIMI is developing a Mentoring Program for students and businesses in IT/cybersec/AI and advanced manufacturing.
- Understand changes in college courses, certifications and degrees that would better serve employer needs.
- NAIMI can help colleges set up a cybersecurity clinic in which students gain hands-on experience.
- Create a Roadmap of Opportunities that identifies issues that NM faces in preparing a high-tech workforce.

# NAIMI Strategy

## Create a Roadmap of Opportunities



# NAIMI Partners and Resources

- UNM Los Alamos
- UNM Taos
- UNM Valencia
- Santa Fe Comm College
- Northern NM College
- San Juan College
- NM Highlands University
- Navajo Technical University
- NM Regional Development Corp
- Santa Fe Economic Development Dept
- Sandoval Economic Alliance
- NM Manufacturing Extension Partnership
- LANL Community Partnerships Office
- Air Force Research Lab
- NM Tech Council
- FBI Infragard
- NM Energy Transition Act Cybersecurity Act
- NM Governor's Office
- Santa Fe Mayors Office
- NM EMNRD
- NM DWS
- NM EDD

# Input

We need your input to move forward