One Nation Innovation

Intro to open ecosystem problem solving

Mission statement

As a Non-Profit Company, Section 501(c)(3), we specialize in creating Public-Private Partnerships that focus on fostering an Open Innovation Ecosystem. Our goal is to transform communities, students, veterans, and businesses into an innovation-driven environment by leveraging existing Consortiums, Non-profits, Accelerators, and Institutes/Labs. By doing so, we aim to make America the global leader in emerging technology innovation and implementation.

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The problem statement

For much of the 20th century, the United States was a leader in manufacturing and government technologies. However, in the 21st century, this is no longer the case. The U.S. is facing complex technical challenges such as cyber security, artificial intelligence, and machine learning, but current efforts are not keeping pace with those of other nations. Compounding this problem is the vulnerability of the supply chain and the outsourcing of the U.S. industrial base overseas.

To address these issues, a new model must be adopted that focuses on the creation of a national problem-solving ecosystem. This will ensure that the United States remains a leader in technology and begins the process of rebuilding our manufacturing base. By connecting industrial, government, and academic ecosystems, we can work together to solve problems, create jobs, build critical skillsets, and establish new industrial bases. We should also look to disadvantaged areas, which have been found to provide significant value in pushing technology forward, as a valuable resource in this effort, rather than relying solely on traditional methods.

Why a Technology Innovation Environment…

A technology innovation environment is necessary to effectively manage, organize, and access information and capabilities in today's digital age. This environment provides tools and resources that allow individuals and organizations to process, analyze, and utilize information and capabilities to achieve their goals and make informed decisions. Additionally, a technology innovation environment fosters collaboration, communication, and innovation, which are essential for success in the modern world.

If not addressed the results will continue to be:

- **Loss of Technology Advances:** U.S. Adversaries continue to steal technology from poorly secured infrastructure and poorly managed capabilities.
- **Expensive Cyber Defense:** Most companies cannot defend their networks without expensive third-party assistance.
- **Limited Trained Workforce:** There is a national shortage of technology skilled labor for both industry and government.
- **Sophisticated Cyber Threat:** Most U.S. businesses are struggling to mitigate the threat. Ransomware attacks were up 78% in 2021 and remediation is expensive and sometimes unachievable.
- **Improper securing of capabilities leads to long term product development expenses**

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Traditional Problem Solving is outdated

Step 1 Define Problem	Step 2 Develop Solution	Step 3 Select/Implement Solution	Step 4 Evaluate Outcome
Define Problem	**Develop Solution**	**Select/Implement Solution**	**Evaluate Outcome**
Usually done internally or with an external partner.	Provides a process that may not be tailored to the problem (time, scale, speed)	Can be time consuming and focuses on a particular solution vs multiple paths	Time consuming process that does not allow speed.

Time

Traditional approach that is not tailored to the problem

A better way…Open Ecosystem Problem Solving

One Nation Ecoverse

An Open Ecosystem Approach at Innovation
One Nation Innovation offers one or more roles for users to signup for. Please select your role from the below list.

Industry Partner — Select

Academia — Select

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Over 2.5 million organizations consisting of academia, labs, FFRDCs, UARCs, industry, start ups, government and more….

Stakeholders

- Academia
- Industry
- Government
- FFRDC
- NonTraditional
- Other NonProfit/Related Organizations

Capabilities

- Technology Pilots
- Operational Advising
- Technology Scouting
- Independent Assessments, Testing and Reports
- Ecosystem Management
- Training for Industry, Academia and Government

Scalable Resources + Tailorable Capabilities = Innovative Solutions

Open Ecosystem

Ecosystem Problem Solving

Takes expertise from relevant areas and pulls them into the innovation hub to work on problems faster with more resources. Solutions are then given to everyone part of the ecosystem.

Innovative/Strategic Solutions

Government gets innovative solutions and expertise; academia streamlines curriculum and produces more critical technology skillsets.

Academia

Industry

Government

FFRDC

NonTraditional

Other NonProfit/Related Organizations

Technology Pilots

Operational Advising

Technology Scouting

Independent Assessments, Testing and Reports

Ecosystem Management

Training for Industry, Academia and Government

ACADEMIC CURRICULUM

Academic curriculum matched with technology

EXPERIENCE ABILITY GROWTH
TRAINING SKILLS
COMPETENCE LEARNING KNOWLEDGE

Creation of new skills to fill current gaps in labor across U.S.

Creation of new industry to further expand technology

One Nation Innovation Services

Consulting

At ONI, we have decades of experience working with all sectors, including government, industry, and academia. We understand that each organization has unique needs, and we are here to help you navigate the complex landscape of innovation. Whether you are looking to develop new technologies, create partnerships, or navigate regulations, our team of experts can provide you with the guidance and support you need to achieve your goals. With our extensive experience and connections in all sectors, we can help you find the right resources and capabilities to help you succeed. Don't hesitate to lean on us for your specific needs.

- Tech Transfer assistance and research

- Project Management for Tech

- Contracting Innovation OTA, B2B, CRADA, EPA, PPP, Cooperative Agreements

- Industry/ Academic Partnering

- Source Selection Assistance

- Negotiation assistance

- Strategy Development

Ecosystem Management

We are committed to designing and managing an ecosystem that is tailored to meet your specific needs. Our ecosystem is connected to a network of other innovation ecosystems that comprise academia, industry, traditional and non-traditional sectors, and government organizations. By leveraging these resources, we can create a comprehensive and robust ecosystem that is tailored to your unique requirements and that will help you achieve your innovation goals.

- Public Private Partnership Management

- Regional ecosystem development and partnerships with industry, academia and government

- Consortium development and management

Innovative problem Solving

Conventional problem-solving methods can be slow and ineffective when it comes to tackling technical challenges. We thrive on tackling difficult problems and understand that the key to success is to think creatively and leverage an open ecosystem for problem-solving. By embracing an open and collaborative approach, we can achieve agility, success, and speed in finding innovative solutions. This approach enables us to explore unconventional ideas and think outside the box, which leads to breakthroughs in technology and business.

- Academic internship sponsoring

- STEM Competitions

- Entrepreneur creation (engine)

- Acquisition Innovation strategy Development

- Grant funding and writing assistance

- Partner scouting for improved technical or managerial performance

One Nation Innovation Services

Tech Scouting and Tech Mapping

Are you facing a complex problem that requires specialized expertise? Let us help you tap into our extensive ecosystem exchange, comprising over 2.4 million organizations from various sectors including industry, academia, government, and research labs. We will work with you to identify and connect you with the right capability within our network, to help you achieve your goals. Our ecosystem exchange is diverse and can provide you with specialized expertise and resources that are not easily found elsewhere. Whether you need technical, scientific, or business capabilities, we can help you to find the right fit to help you to solve your problem efficiently and effectively.

- Host industry and government tech challenges

- Independent Assessments

- Trust and Confidence Assessments
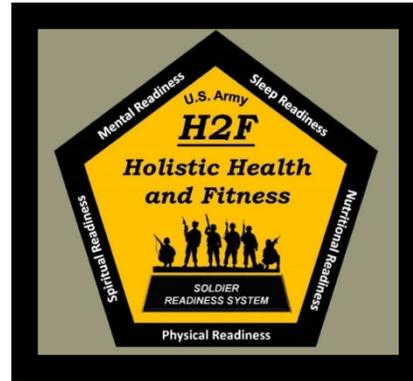
- Technical Evaluations and Pilots

Workforce Development & Training

The tech industry has a lack of supply in skilled personnel on both the industry and government side. Let us create an academic pipeline to fill your organizations hard to fill spaces. We partner with academia to build a pipeline into your specific workforce. We also can help tailor academic curriculum to teach the right skills to you workforce. Some of our offerings include:

- Workforce training

- Workforce curriculum

- Academic Partnering

- Certifications

- Workforce Pipeline

- Talent Scouting and Research

- Scholarships

- Alignment of education programs to public problem areas

Contact us

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