

FORWARDEDGE

National DigiFoundry

Alignment with US National Digital Asset Leadership Strategy:

NDF aligns with the US Government's National Digital Asset Leadership Strategy by providing a national incubator to drive collaborative digital asset innovation and operational deployments across Government, Commercial, and Academic entities. Its mission is to advance U.S. global leadership in digital tokens, cryptocurrencies and blockchain. Our goal is to enhance security, trust, interoperability, governmental policies, and responsible technology adoption.

Executive Summary

The National DigiFoundry (NDF) is a strategic initiative supported by the U.S. National Science Foundation, dedicated to advancing innovation in the application of blockchain and digital asset technologies in supply chain, healthcare, financial services and many other business processes. In alignment with US National Strategy, NDF collaborates with key partners to provide expertise and resources that enhance US national security, economic leadership, and global digital trust.

Challenge: The rapid evolution of blockchain and digital asset technologies presents broad opportunities and regulatory challenges. While the U.S. government is taking steps to integrate these innovations, navigating policy shifts, ensuring interoperability, and establishing clear regulatory frameworks remain critical hurdles. Without strategic leadership and collaboration, there is a risk of fragmented adoption, security vulnerabilities, and missed opportunities within and across every industry vertical.

Solution: NDF, in partnership with industry leaders, offers a structured approach to digital asset adoption by providing a collaborative environment, technical development platforms, prospective customer operational requirements, and regulatory insights. Key initiatives include supporting the Blockchain Center of Excellence within the Department of Commerce, advising on the deployment of blockchain technologies across industries, and contributing to the development of a National Bitcoin Reserve. Through these efforts, NDF ensures the U.S. remains at the forefront of blockchain innovation, fostering economic growth and strengthening national security.

BENEFITS

100%

Increased Probability of Successful R&D Investment*

25-40%

Reduction in Hiring Cost due to Shared Staffing^P

30-50%

Increase in Speed to Market[†]

5x-10x

Increased Return on investment over 5 years[†]

*<https://www.businessnewsdaily.com/272-incubators-increase-small-business-success.html>

[†]<https://kenaninstitute.unc.edu/kenan-insight/business-incubators-if-you-build-it-will-entrepreneurs-succeed/>

^P<https://news.arizona.edu/news/center-innovation-generates-353m-economic-output>

Supporting Executive Orders 14178 – Strengthening American Leadership in Digital Financial Technology, 14177 – President's Council of Advisors and Science and Technology, Executive Order 14233 – Establishment of the Strategic Bitcoin Reserve and United States Digital Asset Stockpile and Executive Order 14196 – A Plan for Establishing a United States Sovereign Wealth Fund

Executive Order Alignment

Executive Order 14178 – Strengthening American Leadership in Digital Financial Technology

The National DigiFoundry (NDF) aligns with EO 14178 by driving blockchain innovation, supporting regulatory clarity, and enhancing the security of digital financial systems. By collaborating with industry leaders and government agencies, NDF helps position the U.S. as a global leader in digital assets, ensuring responsible adoption and interoperability in financial technology.

Executive Order 14177 – President's Council of Advisors on Science and Technology:

NDF supports EO 14177 by providing expert insights on blockchain and AI advancements to inform science and technology policy. Its work in fostering innovation, security, and regulatory frameworks aligns with the council's mission to guide the administration on emerging technologies critical to economic growth and national security.

Executive Order 14233 – Establishment of the Strategic Bitcoin Reserve and United States Digital Asset Stockpile:

The National DigiFoundry (NDF) aligns with EO 14233 by supporting the U.S. government's strategic accumulation and management of digital assets. Through its expertise in blockchain technology and policy development, NDF helps ensure secure, efficient, and transparent implementation of a national digital asset reserve, reinforcing economic stability and leadership in the global financial system.

Executive Order 14196 – A Plan for Establishing a United States Sovereign Wealth Fund:

NDF contributes to EO 14196 by promoting blockchain-based financial infrastructure that enhances the effectiveness of a U.S. sovereign wealth fund. By advising on secure digital asset investments and regulatory best practices, NDF aids in leveraging blockchain technology to strengthen national economic resilience and long-term financial growth.

National DigiFoundry

Implementing Agency: National Science Foundation

Program Office: Translational Impacts (TI)

Contract Vehicle: EAGER Award

Project Name: Decentralized Autonomous Organization Collaboration Hub
(DACH)

Award Number: 2335995