AMERICA'S DATAHUB INNOVATION CHALLENGE
MAY-AUGUST 2022

PROBLEM STATEMENT

America's Datahub Consortium (ADC) - representing the National Center for Science and Engineering Statistics (NCSES), the National Science Foundation's (NSF) statistical agency - contracted TechConnect to run a unique Challenge that would reach across four problem sets and find solutions to support 13 statistical agencies across the Federal government. These statistical agencies collect, analyze, and distribute data on myriad topics, including: technology, innovation, energy, health, employment, crime, and more.

The America's Datahub Innovation Challenge sought the tools of new data integration and distribution solutions, data linking, as well as data security and privacy innovation, in order to more effectively use information to solve some of our toughest challenges.

OUTCOME & RESULTS

A total of 32 qualified entrants applied to the Challenge, and after a narrower 18-person finalist pitch round at Defense TechConnect Innovation Summit, the ADC named five winners who shared a total $50,000 prize. The winners were:

» **Candelytics, Inc** (Massachusetts): A 3D data integration platform for storing, managing and sharing 3D data across multiple devices that uses data compression and tiling algorithms to achieve a 10x savings on data storage.

» **Duality Technologies** (New Jersey): A single platform for multiple privacy-enhancing technologies that provides end-users with added security and new ways to leverage disparate data sets, including training and tuning artificial intelligence/machine learning models, performing secure queries and statistical analysis.

» **Kinnami Software Corporation** (Massachusetts): A resilient hybrid data fabric for devices at the computing edge – such as satellites, IoT, drones, autonomous systems, data centers and the cloud – that features a distributed peer-to-peer data management and security software platform to enable holistic management of data protection, data availability and data security.

» **Knexus Research Corporation** (Maryland): A high-utility data synthesizer, powered by machine learning, that preserves both privacy and utility by generating a de-personalized version of sensitive data for retaining, reusing and sharing.

» **Ubicquia** (Florida): A web-based analysis and cloud management tool called UbiVu that provides real-time data and insights about energy usage, air quality levels and operational status of Ubiquia deployments, which leverage existing infrastructure to make cities smarter, safer and more connected.

18 FINALISTS

32 ENTRIES

47% STARTUP

$50,000 AWARDED

22% TRL 5

34% SBIR FUNDED

5 WINNERS

41% PROTOTYPE STATUS

15 STATES

28% MINORITY OWNED

TechConnect a division of ATI ADVANCED TECHNOLOGY INTERNATIONAL

AMERICA'S DATAHUB CONSORTIUM