



POTOMAC QUANTUM
INNOVATION CENTER
powered by **CONNECTED
DMV**

QUANTUM READY STARTS HERE.

Imagine hyper-accurate long-term weather forecasting delivered in sufficient time to move our families to safety. Imagine the possibility of new life-saving drugs discovered through faster analysis of complex molecules. Imagine the impact on climate change using new carbon-capturing materials and long-lasting batteries for green energy. Imagine new supply chain and logistics data management and modeling and what it could mean for issues like hunger and food waste. Imagine a world where we can simulate live models of natural systems such as photosynthesis and eventually consciousness. Right now, it's hard to imagine a quantum-empowered future – but the future is within reach.

ABOUT THE POTOMAC QUANTUM INNOVATION CENTER (PQIC)

ACCELERATING INNOVATION & IMPACT FROM THE DMV

Greater Washington with its rich foundation of talent, resources, assets, and stakeholders – is leading our nation and the world into the quantum era. PQIC has brought together quantum stakeholders across borders and sectors to drive innovation, talent development, economic growth, and positive social impact. Greater Washington will serve as a premier hub for the next generation of quantum leadership, innovation, and economic development across quantum computing, sensing, communications, and materials.

GOALS:

TOP 5 BY 2025

PQIC is establishing Greater Washington as a top five global quantum ecosystem with world class workforce development and entrepreneurship initiatives.

10,000 BY 2030

PQIC is preparing 10,000 women and people of color in our region for the quantum workforce.

A QUANTUM PUBLIC SQUARE

PQIC is creating a comprehensive open ecosystem in the nation's capital with the public sector, academia, industry, community, policy, investors, and international collaborators to accelerate and scale the value from quantum.

OUR APPROACH

PILLARS OF INNOVATION

PQIC's work is rooted in five pillars and focused on use-inspired solutions in key sectors of life sciences and healthcare; energy, earth science, and environment; and national security

EDUCATION & WORKFORCE



Attract, develop, and retain quantum talent across Greater Washington

RESEARCH & DEVELOPMENT



Facilitate innovation via an open networked platform of technologies, expertise, research, and IP

MARKET ACCELERATION



Accelerate quantum venture development, market adoption, and investment via an informed loop between funders, builders, and buyers

POLICY & STANDARDS



Serve as a focal point for national quantum policy, legal, regulatory, standards, and supply chain expertise

FUNDING & MARKETING



Establish Greater Washington as a beacon for investment and convening

OUTCOMES

- ▶ Create a quantum-ready workforce through viable and sustainable talent pipelines
- ▶ Accelerate the quantum research-to-market cycle in key industry domains
- ▶ Raise quantum awareness with policy, regulatory and industry leaders
- ▶ Engage marginalized and under-represented sectors in quantum roles and industry development



QUANTUM ACADEMY



QUANTUM INNOVATION HUB



QUANTUM POLICY & ETHICS CENTER

Quantum
WORLD CONGRESS

 www.quantumworldcongress.com

STEERING COMMITTEE

PUBLIC SECTOR

Maryland Dept. of Comm.
Heather Gramm

Virginia Innovation Partnership Corporation
Paula Sorrell

Montgomery County
Hon. Marc Elrich

Prince George's County Economic Development Corporation
David Iannucci

Alexandria Economic Development Partnership
Stephanie Landrum

DHS Cybersecurity and Infrastructure Security Agency

NETWORK ORGANIZATIONS

Connected DMV
Stu Solomon

Maryland Tech Council
Marty Rosendale

Quantum Economic Development Consortium (QED-C)
Dr. Celia Merzbacher

Quantum Industry Coalition (QIC)
Paul Stimers

ACADEMIA

University of Maryland, College Park
Dr. Darryll Pines

Howard University
Dr. Wayne Frederick

George Mason University
Dr. Gregory Washington

INDUSTRY

The MITRE Corporation
James Cook

Boeing
John "Jay" Lowell

Northrop Grumman
Brig. Gen. Richard "Scott" Stapp (USAF Ret.)

K&L Gates
Manny Rouvelas

Cleveland Clinic

GlaxoSmithKline (GSK)

KEY COLLABORATORS

MID-ATLANTIC
QUANTUM
ALLIANCE

MITRE

QED-C

QIC | Quantum Industry Coalition

NATIONAL
Quantum Literacy
NETWORK