



# Illinois Quantum & Microelectronics Park

CHICAGO ➤ ILLINOIS



(IQMP)

# Illinois Quantum & Microelectronics Park



# Find your future home at the IQMP

## HIGHLIGHTS

The Illinois Quantum and Microelectronics Park (IQMP) is a first-of-its-kind campus built for quantum technology scale-up and related quantum and advanced microelectronics research and development. Based at a historic site on Lake Michigan minutes away from downtown Chicago, the Park is designed to support the full ecosystems of companies, researchers, suppliers, end users and other partners working to facilitate the development and commercialization of quantum technologies, including the world's first utility-scale fault tolerant quantum computers.



### National Quantum Facility (NQF)

Access to an industrial scale cryoplant, state of the art equipment and technical staff; includes an on-ramp program for companies to access the quantum ecosystem while NQF is under development

### National Quantum Algorithm Center

Universities, national labs, quantum companies and industry end users uniting to develop algorithms and quantum solutions

### IL-DARPA Quantum Proving Ground

Partnership to prove a pathway to utility-scale quantum computing through joint investment in infrastructure, prototypes and test & evaluation

### Workforce Development Programs

Access to quantum and microelectronics relevant education for trainees and workers of all backgrounds

### PsiQuantum

Facility for building and operating a full scale, photonic, fault-tolerant quantum computer

### IBM

Partner in the NQAC and hosting Quantum System II, accessible to users via the cloud

### Diraq

Australian firm awarded one of 16 Stage A contracts for the DARPA Quantum Benchmarking Initiative

### Infleqtion

Headquartering its global quantum computing operations at the IQMP

### Pasqal

Headquartering its U.S. operations at IQMP

### Public Access Spaces

Steelworkers Park and expanded green space with waterfront access

128  
ACRES

\$500M  
STATE FUNDING

(NQF)

# The National Quantum Facility

**The National Quantum Facility (NQF) will serve both the private and public sectors, including companies developing quantum computing, sensing and networking technology and researchers from academia and national laboratories, among others. It will support not only quantum technologies, but also enabling and adjacent technologies.**

While capital intensive equipment and infrastructure will be available through leasing agreements, we're also seeking input on additional infrastructure and equipment to integrate at the NQF to help fulfill your needs.

## HIGHLIGHTS

### Industrial Scale Cooling

Cryoplant and 20+ cryostats serving mK, 2K, 4K and other temperatures

### Leasable Lab Space

Bays for supporting R&D, including product development, on photonic, neutral atom, trapped ion, superconducting, spin and other qubit technologies

### Leasable Equipment & Instrument Library

Equipment such as optical tables, SNSPDs, telecom and tunable laser sources, high-precision wavemeters and more; equipment can be checked out for tests and measurements

### Technical Amenities

Including a characterization lab, wet lab and electronics and machine shop

### Technical Staff

Expertise in cryogenics, design and test and measurement

### Support Staff

Expertise in security, export control licensing and more

TOTAL GROSS AREA  
**+40,000**<sup>SF</sup>

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**+16K**<sup>SF</sup> CRYOGENIC  
PLANT

**+6K**<sup>SF</sup> OFFICE  
SPACE

**+11K**<sup>SF</sup> RESEARCH  
SPACE

**+3K**<sup>SF</sup> TENANT  
SPACE

**+7K**<sup>SF</sup> TECHNICAL  
AMENITIES

**+2K**<sup>SF</sup> SUPPORT  
SPACE

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SHARED EQUIPMENT + LEASEABLE EQUIPMENT + AMENITIES  
MAKER SPACE + SHORT TERM AND LONG TERM RENTAL  
DEDICATED COMPANY SUITES WITH LABS / OFFICES

*The IQMP is actively seeking input from all sectors on infrastructure and equipment to integrate at the NQF. We will also work with tenants on developing independent facilities at the site, which can have access to an industrial scale cryoplant, cooling, electrical and other infrastructure.*

IQMP

# On-Ramp Program

**The National Quantum Facility (NQF) at the IQMP is planned to be ready in early 2027, but you can start work right now.**

With the IQMP on-ramp program, companies and researchers will temporarily utilize a local innovation facility. Tenants will have access to facilities and equipment through lease agreements. Features include much of what we already have planned for the finished NQF.

## ADDITIONAL RESOURCES

### Equipment

Cryostats, electronics, photonics, instrumentation and more

### Technical & Support Staff

Expertise in cryogenics, design and test, measurement, security, export control licensing and more

### Facility Access

Access to office, meeting and maker spaces, including light and heavy electronics and machinery



# IQMP PARTNERSHIPS

The IQMP is a collaboration between public and private partners with complementary expertise. It is managed and operated by the IQMP, LLC, which is a University Research Organization (URO) owned by the Board of Trustees of the University of Illinois.



CHICAGO STATE UNIVERSITY

CITY COLLEGES  
OF CHICAGO



## LEADERSHIP TEAM



**Dr. Harley  
Johnson**

*Executive  
Director & CEO*



**Dr. Brian  
DeMarco**

*Director  
& CTO*



**Dr. Preeti  
Chalsani**

*Business  
Development  
Lead*



**Julia  
Lane**

*Federal Strategy  
Advisor*



**Greg  
Feltman**

*Senior  
Advisor*

Destination  
Illinois

# Why Illinois?

Located in the heart of the U.S., Illinois is a unique, global business destination that has all of the attributes companies need to succeed. The state offers unmatched talent throughout a diverse array of industries, along with world-class infrastructure that allows companies to move their people and products quickly and efficiently via air, rail, road and water.

**\$200M**  
joint investment in the  
IBM-Illinois Discovery  
Accelerator Institute

**\$150M**  
from IBM and Google  
for University of Chicago  
- University of Tokyo  
quantum work

**\$200M**  
in state funding for  
quantum initiatives

**\$500M**  
in the FY2025 budget  
launching IQMP

**30+**  
Fortune 500 companies  
and the most diverse  
economy in the US

**1,700+**  
Chicago area companies  
have raised growth capital  
since 2017



# The Quantum Destination

- IQMP: First-of-its-kind quantum tech park
- 200+ mile and growing quantum network
- 6 Tier-1 research institutions
- Argonne Leadership Computing Facility
- National Center for Supercomputing Applications at the University of Illinois Urbana-Champaign
- Four of the 10 National Quantum Initiative Act Research Centers
- Duality, the nation's first quantum accelerator
- Chain Reactions Innovations  
DOE's Lab Embedded Entrepreneurship Program based at Argonne National Lab
- Chicago Quantum Exchange
- The Bloch EDA Tech Hub
- The nation's first quantum PhD program at the University of Chicago
- A quantum-ready workforce including 40K quantum-relevant degrees per year

## How Illinois Can Help You

The Illinois Department of Commerce and Economic Opportunity has several incentives to help your business thrive, including:

### **Illinois Innovations Venture Fund (INVENT)**

\$114M venture capital program

### **New Quantum Enterprise Zone (QEZ)**

Utility and building material tax exemptions and other incentives for IQMP tenants

### **Venture Investment for Semiconductor Technology Advancement (VISTA) Fund**

\$20M venture capital initiative for businesses focused on quantum science, microelectronics and more

### **Manufacturing Illinois Chips for Real Opportunity Act (MICRO)**

Business incentives for manufacturers of quantum computers and related technologies, and companies undertaking R&D in those areas

# Connect with the **IQMP**

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*For more information, contact:*

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*Visit our website:*

***IQMP.org***





Located 12 miles south  
of downtown Chicago  
on Lake Michigan

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***IQMP.org***