



Illinois Quantum & Microelectronics Park

CHICAGO ➤ ILLINOIS



NORTH SLIP

(IQMP)

Illinois Quantum & Microelectronics Park

STEELWORKERS PARK

IQMP DEVELOPMENT AREA

IQMP DEVELOPMENT AREA

BUILD TO SUIT

FUTURE CRYOPLANT
181,580 GSF
4.17 ACRES

BUILD TO SUIT

FUTURE CRYOPLANT
215,360 GSF
4.95 ACRES

BUILD TO SUIT

FUTURE CRYOPLANT
215,360 GSF ~ 2.7 ACRES
Net buildable area: 74,575 GSF

NQF
CRYOPLANT

BUILD TO SUIT

PSI QUANTUM

PSI QUANTUM

PSI QUANTUM

PSI QUANTUM

CALUMET HARBOR

CALUMET RIVER

N

SOUTH LAKE SHORE DRIVE



Find your future home at the

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.



HIGHLIGHTS

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_{SF}

+16K_{SF} CRYOGENIC PLANT

+6K_{SF} OFFICE SPACE

+11K_{SF} RESEARCH SPACE

+3K_{SF} TENANT SPACE

+7K_{SF} TECHNICAL AMENITIES

+2K_{SF} SUPPORT SPACE

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



<DUALITY>
Accelerating Quantum Startups



Illinois
Department of Commerce
& Economic Opportunity

ILLINOIS TECH



Northwestern
University



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

For more information, contact:

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Visit our website:

IQMP.org



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IQMP.org