IQMP
Illinois Quantum & Microelectronics Park

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CHICAGO » ILLINOIS



Updated March 16, 2026


(IQMP)
Illinois Quantum & Microelectronics Park
STEELWORKERS PARK
QUANTUM WORKS
SHARED SUPPLIER BUILDING
FUTURE FACILITY
FUTURE FACILITY
FUTURE FACILITY
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FUTURE FACILITY
FUTURE FACILITY
NQF CRYOPLANT
FUTURE CRYOPLANT
FUTURE CRYOPLANT
FUTURE CRYOPLANT
PSI QUANTUM
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PSI QUANTUM
CALUMET HARBOR
CALUMET RIVER
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Find your future home at the IQMP

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

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

Workforce Development Programs
Access to "Quantum Works," a hub for workforce development programming, research collaboration and innovation 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

Quantum Machines
Establishing flagship R&D hub at IQMP

Silicon Catalyst
Providing startups in its U.S. program access to IQMP resources and infrastructure

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

60,000+ SF

WHICH INCLUDES:

18K+ SF	CRYOGENIC PLANT
15K+ SF	RESEARCH SPACE
6K+ SF	TECHNICAL AMENITIES
3K+ SF	OFFICE, CONFERENCE & AMENITY SPACE
10K+ SF	EXPANSION 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 2028, 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.

Argonne NATIONAL LABORATORY
CHICAGO QUANTUM EXCHANGE
CHICAGO STATE UNIVERSITY
CITY COLLEGES OF CHICAGO
CHICAGO
COOK COUNTY GOVERNMENT
DPI DISCOVERY PARTNERS INSTITUTE
PART OF THE UNIVERSITY OF ILLINOIS SYSTEM
<DUALITY>
Accelerating Quantum Startups
Fermilab
Illinois Department of Commerce & Economic Opportunity
ILLINOIS TECH
INNOVATE ILLINOIS
ILLINOIS EDC
Northwestern University
P33
THE UNIVERSITY OF CHICAGO
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN
UIC
WORLD BUSINESS CHICAGO

LEADERSHIP TEAM



Dr. Harley Johnson
Executive Director & Chief Executive Officer



Dr. Brian DeMarco
Director & Chief Technology Officer



Lauren Wilson
Chief Operating Officer



Dr. Preeti Chalsani
Business Development Lead

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 Inititiave 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 techologies, 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





Located 12 miles south of downtown Chicago on Lake Michigan

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