

## Industrial partners, economic opportunities

The EIC design includes many pioneering accelerator technologies and advances in particle detection. Supplying materials for or building these components provides business opportunities for companies that specialize in accelerator equipment, advanced technologies and manufacturing, and precision engineering.

### Select industrial contracts awarded to date

**HDR Architecture, Inc.**

Arlington, Virginia

*Architectural design/engineering*

**Switchgear Solutions Ltd.\***

Manalapan, New Jersey

*Power unit substations*

**Communications and Power Industries, LLC**

Dallas, Texas

*Vacuum tubes for amplifying "kicks" to accelerate electron beams*

**Hamamatsu Corporation**

Mt. Laurel, New Jersey and Japan

*Silicon photo multipliers for detecting particles*

**Prime Project Management Solutions, Inc.\***

Acton, California

*Project control consulting*

**Bruker OST LLC**

Carteret, New Jersey

*Superconducting wire for accelerator magnets*

**Precision Advanced Machining Company**

Clinton Township, Michigan

*Magnet development*

**Metals Suppliers Online Holdings, LLC**

Hampstead, New Hampshire

*Magnet components*

**AFT Microwave, Inc.\***

Wilmington, Delaware

*Components for testing and calibrating radiofrequency equipment*

**AECOM USA, Inc.**

New York, New York

*Structural engineering consulting*

\* multiple contracts

# The Electron-Ion Collider

## U.S. leads effort to build one-of-a-kind particle collider for nuclear physics research

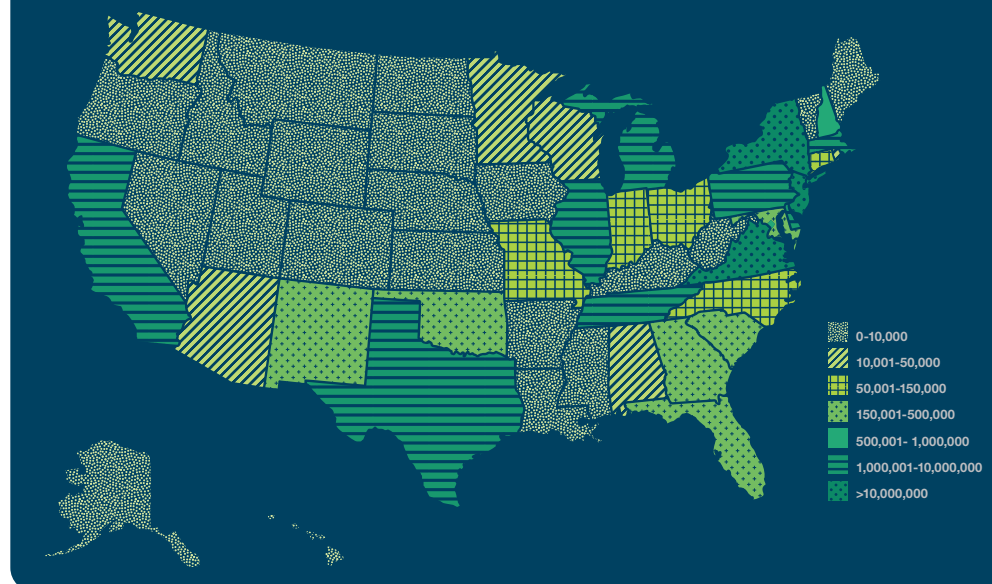
### Investment in U.S. science and industry

The U.S.-based Electron-Ion Collider (EIC) is a state-of-the-art research facility that will provide answers to long-elusive mysteries of matter. Funded primarily by the U.S. Department of Energy (DOE) Office of Science, it will be built at DOE's Brookhaven National Laboratory in partnership with DOE's Thomas Jefferson National Accelerator Facility to unlock the secrets of matter's innermost building blocks and the strongest force in nature.

As one of the most challenging and exciting accelerator complexes ever built — and the only machine of its kind — the EIC will draw on expertise from U.S. industry, universities, and national laboratories and have benefits across the nation.

- EIC material and components will be designed or fabricated by and purchased from companies across the U.S.
- Scientists from six other DOE national laboratories and at least 22 U.S. universities will make essential contributions in the form of research, engineering/design work, accelerator components and hardware, electronic systems, data acquisition systems, and software.

### \$ spent on EIC-related products and services by state



### Workforce development for science, technology & security

By providing hands-on experience in building technical components for the EIC, U.S. universities, national laboratories, and industrial partners will contribute to growing a U.S.-based highly skilled workforce. Many of these workers will go on to address high-tech challenges throughout the U.S. economy and important to national security, including in fields such as microelectronics, quantum computing, and defense — which, according to recent studies by the National Science Foundation and Department of Defense, currently face critical shortages.

**Design, construction, and operation of the EIC will help secure U.S. leadership in critical areas of science and technology for decades to come.**

## EIC university, national laboratory, and industrial partners and collaborators by state or territory

### ALABAMA

Abaco Systems  
Motion Industries  
[University of Alabama](#)

### ALASKA

### ARIZONA

Better Direct  
E-TekNet  
MSE Supplies

### ARKANSAS

### CALIFORNIA

Accu-Glass Products  
Actek Enterprises  
Ametek Programmable Power  
ASA Computers  
Aviate Enterprises  
Bisco Industries  
[Board of Trustees of the Leland Stanford California Polytechnic State University, San Luis Obispo](#)  
Cal Poly Corporation  
California Quality Plastics  
Cleatech  
Custom Coils  
Duniway Stockroom  
Eurofins EAG Materials Science  
Femtochrome Research  
GC Micro  
GMW Associates  
GNB Corporation  
Innovion Corporation  
Jay Marx Consulting  
Joseph Baek  
Kyocera International  
[Lawrence Berkeley National Laboratory](#)  
MDC Precision  
Merelex Corporation DBA American Element  
Metal Fusion  
Mettler-Toledo Process Analytics  
MTI Corporation  
MWS Precision Wire Industries  
Newegg Business  
NVJ Industries  
Online Metals.com  
Pacific Combustion Engineering Co.  
Palpilot International Corporation  
Prime Project Management Solutions  
Rache Corporation  
RadiaBeam Technologies  
Raymond Ream  
[Regents of the University of California](#)  
Sequoia Brass & Copper  
[SLAC National Accelerator Laboratory](#)  
Stanford Research Systems  
Technical Communities  
Tecolote Research  
Ted Pella  
TestEquity  
Tool Components  
Transducer Techniques  
UHV Transfer Systems  
[University of California Berkeley](#)  
[University of California Davis](#)  
[University of California Los Angeles](#)  
[University of California Riverside](#)  
[University of California Santa Cruz](#)  
VAT Incorporated  
Visure Solutions  
Vulcan Metal Group

### COLORADO

Jason Pietz Graphic Design  
Keyight Technologies  
Nelson Products  
Olson Instruments  
Radiasoft  
SAES Getters/U.S.A.  
Technology Applications  
Tech-X Incorporation  
Walsh Consulting Company

### CONNECTICUT

Acceleron  
Brand Nu Labs  
Omega Engineering

Regan Technologies Corporation  
The Chapin & Bangs Co.  
Times Microwave Systems  
[University of Connecticut](#)  
Yale University

### DELAWARE

AFT microwave  
Franklin Fibre-Lamitex Corporation

### FLORIDA

A&N Corporation  
Boston Matthews  
[Florida Agricultural & Mechanical University](#)  
[Florida Institute of Technology](#)  
[Florida International University](#)  
[Florida Polytechnic University](#)  
[Florida State University](#)  
Hello Direct  
Jacksonville University  
LDS Vacuum Products  
NAC Group  
Ocean Optics  
USA Scientific

### GEORGIA

Applied Technical Services  
CVI Laser  
DLT Solutions  
[Georgia State University](#)  
[Georgia State Univ. Research Foundation](#)  
[Kennesaw State University](#)  
Northern Tool & Equipment  
Southeast Coastal Industrial  
[University of North Georgia](#)

### HAWAII

[University of Hawai'i at Manoa](#)

### IDAHO

### ILLINOIS

Ameriflex  
Andrew Wegner Mechanical Equipment  
[Argonne National Laboratory](#)  
Atlas Copco North America  
[Board of Trustees of Univ of Illinois](#)  
CDW Government  
Chempoint  
CS Hyde Company  
D2G Group  
Dynamism  
[Fermi National Accelerator Laboratory](#)  
Fotofab  
Global Equipment Company  
Illinois Tool Works  
Iron Worx  
Kocsis Brothers Machine  
Lake Forest Educational Publishing  
Leading Factors  
Leybold USA  
Midwest EDM Specialties  
Midwest Tungsten Service  
Motion Industries  
Newark Corporation DBA Newark Element 14  
[Northwestern University](#)  
Polaris Laser Laminations  
Post Glover Resistors  
Rohde & Schwarz USA  
Siemens Industry Software  
Software House International  
[University of Illinois at Chicago](#)  
[University of Illinois, Urbana](#)  
Champaign  
Vacuum One  
ValueTronics  
Wolfarm Research  
WPA Works

### INDIANA

Copper Mountain Technologies  
[Indiana University](#)  
Magnetic Instrumentation Company  
O & R Precision Grinding  
[Purdue University](#)  
Santec

### IOWA

[Iowa State University](#)

### KANSAS

[Kansas University](#)  
[University of Kansas](#)

### KENTUCKY

[Morehead State University](#)  
[University of Kentucky](#)

### LOUISIANA

[Dillard University](#)

### MAINE

### MARYLAND

[United States Naval Academy](#)  
Colossal Contracting  
Government Scientific Source  
[Morgan State University](#)  
Xometry

### MASSACHUSETTS

Agilent Technologies  
American Durafilm  
Aotco Metal Finishing  
Aspen Technology  
Communications & Power Industries  
Comsol  
Dielectric Sciences  
Diversified Metals  
Diversified Technologies  
DS Government Solutions  
EMD Millipore Corporation  
Epoxy Technology  
Formlabs  
Fotronic Corporation  
Future Electronics  
Incom  
Interworld Highway  
IPG Photonics Corporation  
[Massachusetts Institute of Technology](#)  
MKS Instruments  
NEFF Automation Technologies  
New England Wire Technologies  
OriginLab Corporation  
Pfeiffer Vacuum  
Sculpteo  
Source Code  
Superlogics Incorporated  
[Tufts University](#)  
[University of Massachusetts, Amherst](#)

### MICHIGAN

Allied Metals Corporation  
Altair Engineering  
[Bd. of Trustees of Michigan State Univ.](#)  
Camelot U.S. Acquisition  
Chatman Enterprises  
Elcometer  
Gambit Works  
Precision Advanced Machining Company  
Lincoln Electric  
[Michigan State University](#)  
[University of Michigan](#)  
[Wayne State University](#)

### MINNESOTA

Beckhoff Automation  
Digi Key Corp.  
Production Automation Corporation  
Sterling Computers

### MISSISSIPPI

[Mississippi State University](#)

### MISSOURI

Fike Corporation  
GovAge  
Mirror Finish Polishing  
Northrop Grumman Cutting Edge Optonics  
RPMC Lasers  
Silicon Carbide

### MONTANA

### NEBRASKA

[Creighton University](#)  
Drone Amplified

### NEVADA

Barth Electronics

### NEW HAMPSHIRE

Ferrite Microwave Technologies  
Ferrotec (USA)  
Kimball Physics  
Metals Suppliers Online Holdings  
Prototek Holdings  
[University of New Hampshire](#)

### NEW JERSEY

Aero Tec Laboratories  
AutoDrill  
Bruker OST  
Cryofab  
Hamamatsu Corporation  
Kadco Ceramics  
Menlo Systems  
Metro Hydraulic Jack Company  
New Jersey Fluid Systems  
NJ Precision Technologies  
Penn Tool Co.  
Pi Metal Products  
Research Projects  
R.S. Crum & Company  
[Rutgers University](#)  
Superior Scales & Instrument Corp.  
Switchgear Solutions Ltd., NY & NJ  
The Knotts Company  
Thorlabs

### NEW MEXICO

Holmans USA Corporation  
Ideal Vacuum Products  
[Los Alamos National Laboratory](#)  
[New Mexico State University](#)  
[University of New Mexico](#)

### NEW YORK

3 Gals Industrial  
Airweld  
Antech Sales  
Aresco  
Atlantic Fluid Power  
Atlantic States Lubricants  
B&H Foto & Electronics  
[Baruch College, City University of New York](#)  
Blackstone Advanced Technologies  
Brinkmann's Hardware  
[Brookhaven National Laboratory](#)  
Burton Industries  
CAEN Technologies  
Cangro Industries  
Carter Milchman & Frank  
[Columbia University in the City of New York](#)  
Computech International  
[Cornell University](#)  
Craftech Industries  
David G. Rosen  
E B Industries  
East End Assemblies  
Eastern Industrial Automation  
EMA Design Automation  
Epner Technology  
Fourmen  
G & M Earth Moving  
Gallant & Wein Corporation  
George Roppelt Electrical Contractors  
Globe Grinding  
Gowanda BTI  
H.O. Penn Machinery Company  
Henry Quentzel Plumbing Supply  
Horizon Property Management  
Indium Corporation of America  
IVCI  
Jacobi Tool & Die Manufacturing  
Javcon Machine  
K C Electronic Distributors  
Keller Painting  
Kelly & Hayes Electrical Supply  
L.I.T. Labs  
Maehr Industries  
Math Works  
Mcs Calibration  
Merit Electric Design  
Microsol Resources  
Motion Laboratories  
MSC Industrial Supply  
Office Furniture Direct  
Pennsylvania Steel Comp. New York  
Power Resources International  
Precision CNC  
Protocase II  
Quality Industries  
[Rensselaer Polytechnic Institute](#)  
[Research Foundation of the State University of New York \(SUNY\)](#)

Rocky Point Cycle  
Schwing Electrical Supply  
Solid Sealing Technology  
South Shore Business Solutions  
Spectra Services  
[Stony Brook University](#)  
Streck's  
Tec-Ease  
Turtle & Hughes  
[Union College](#)  
Velmex  
Vytek  
W.W. Grainger  
Westhampton Plumbing Supply  
Widom Associates  
William J. Branagan  
Yarde Metals  
Zo-Air

### NORTH CAROLINA

Accurate Technology  
BoltSize-It  
Calico Technologies  
Control Associates  
Davidson College  
[Duke University](#)  
[North Carolina State University](#)

### NORTH DAKOTA

### OHIO

[University of Cincinnati](#)  
Airgas  
Briskheat Corporation  
Cintas  
ElectroCraft Ohio  
[Kent State University](#)  
Lake Shore Cryotronics  
Morian & Associates  
Office Depot  
[Ohio University](#)  
[Otterbein University](#)  
Prince & Izant  
[The Ohio State University](#)  
Tremco Incorporated  
Watteredge

### OKLAHOMA

[Oklahoma State University](#)  
Roxtec

### OREGON

BahFed  
ESPI Metals

### PENNSYLVANIA

Aerotech  
Air-Oil Systems  
ANSYS  
ColdEdge Technologies  
[Duquesne University](#)  
Fisher Scientific  
GovConnection  
Hadco Metal Trading  
Kurt J. Lesker Company  
[Lebanon Valley College](#)  
[Lehigh University](#)  
Millennium Circuits Limited  
Neutron USA  
Orbel

Penn Stainless Products  
Penn State Berks  
[Penn State University](#)  
Princeton Scientific  
Progressive Hydraulics  
RDP-Electrosense of PA  
Sandmeyer Steel  
Small Tube Products  
Solar Atmospheres  
Specialized Thermal Solution  
Structure Probe Inc DBA SPI Supplies  
TDK Lambda Americas  
[Temple University](#)  
The Electric Materials Company  
The Fredericks Company  
Univar Solutions USA

### PUERTO RICO

[University of Puerto Rico, Rio Piedras Campus](#)

### RHODE ISLAND

[Brown University](#)  
Schroff

### SOUTH CAROLINA

Laser Safety Systems  
MPF Products  
[University of South Carolina](#)

### SOUTH DAKOTA

[Augustana University](#)

### TENNESSEE

American Magnetics  
[Baptist Health Science University](#)  
Colbert Mfg.  
Eagle Alloys  
Lynx Supply  
[Oak Ridge National Laboratory](#)  
Strata-G  
Tevet  
[University of Tennessee](#)  
USA Borescopes  
[Vanderbilt University](#)  
Wildflower International

### TEXAS

[Abilene Christian University](#)  
Arbin Instruments  
Communications and Power Industries  
Dell Marketing  
EVCO Partners LP DBA Burgoon Company  
General Magnaplate Texas  
Global Indirect Markets  
Harrington Industrial Plastics  
[Lamar University](#)  
Photonics  
Pittsburgh Spray Equipment Company  
[Radiation Institute for Science and Engineering at Prairie View A&M University](#)  
[Rice University](#)  
[Southern Methodist University](#)  
Testforce USA  
Texas A&M University  
Texas A&M University-Commerce  
Texas Southern University  
TGM Incorporated  
[University of Houston](#)  
[University of Texas at Austin](#)  
Valco Instruments Company  
Vari Sales Corporation  
Vishay Measurements Group  
Wenzel Associates  
[William Marsh Rice University](#)

### UTAH

TCR Composites

### VERMONT

Instrumart  
Web Industries

### VIRGINIA

Applewhyrte Associates  
Carahsoft Technology Corporation  
[Christopher Newport University](#)  
[Hampton University](#)  
HDR Architecture  
[James Madison University](#)  
Moose Hill Enterprises  
Mythics  
[Old Dominion University](#)  
SDA Software  
Setty & Associates  
[Thomas Jefferson National Accelerator Facility](#)  
[ThunderCat Technology](#)  
[University of Virginia](#)  
[Virginia Tech](#)  
[Virginia Union University](#)  
[William and Mary University](#)

### WASHINGTON

Bell Electronics NW  
[Pacific Northwest National Laboratory](#)

Puget Sound Systems  
Thermionics Northwest

[University of Washington](#)

### WASHINGTON D.C.

[Catholic University of America](#)  
[Center for Nuclear Femtography \(SURA\)](#)

[George Washington University](#)

### WEST VIRGINIA

### WISCONSIN

Ellsworth Adhesives Specialty  
Chemical

Uline

### WYOMING