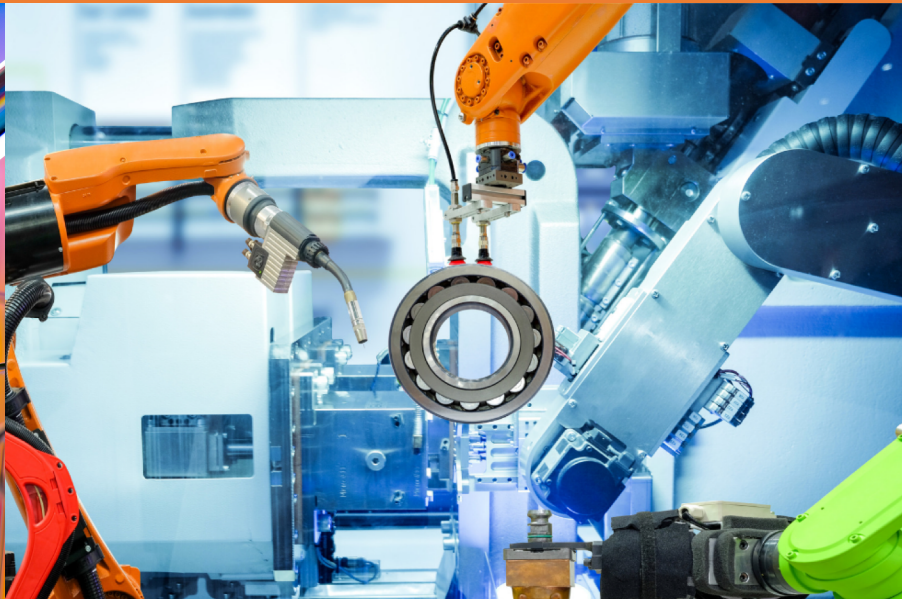


Detroit Regional Partnership

The Detroit Region is a Top-Tier Location Research, Engineering & Design



[Link to Interactive Cluster Story Map](#)

Market. Grow. Support.



DRP: RESEARCH, ENGINEERING, & DESIGN CLUSTER - TABLE OF CONTENTS

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Detroit Regional Partnership



The DRP is an economic development 501(C)(3) nonprofit that offers confidential, no-cost assistance to domestic and international companies seeking to explore and invest in the 11-county Detroit Region.

DRP SERVICES

- A Single Point of Contact
- Regional Data
- Connections to Key Partners
- Incentives and Talent Assistance
- Building and Site Analysis

GUIDING PRINCIPLES

- Robust Growth
- Jobs for All
- Deep Prosperity
- Regional Impact
- Collaborative Ecosystem

THE DETROIT REGION SNAPSHOT:

11
COUNTIES

348
COMMUNITIES

5.5 ²⁰²²
Million
POPULATION

2.6 ²⁰²²
Million
WORKFORCE

1 DETROIT REGION



Detroit Regional Partnership

RESEARCH, ENGINEERING, & DESIGN CLUSTER



RESEARCH, ENGINEERING, & DESIGN

SUBCLUSTERS: Design, Engineering, & Research / Scientific



97,017
Industry Jobs
2022

\$118,117
Annual Wages,
Below U.S. Avg.
2022

2,103
Businesses
2022

\$16.1B
Gross Regional
Product
2022

2.8x
Industry Jobs
Density (LQ)
2022

Source: Lightcast (Formerly Emsi) – DRP Industry Cluster Definition



DETROIT REGION IS RESEARCH, ENGINEERING, & DESIGN



FIRST U.S. UNESCO CITY OF DESIGN

Detroit is the Only U.S. City to Receive the Designation

DETROIT #2 METRO FOR DESIGNERS

Commercial & Industrial Total Talent at 2,600 Jobs, Talent Density is More than New York, LA, & Chicago Combined, 2022

DETROIT #2 METRO FOR ENGINEERS

Total Talent (Detroit Region has 86,000+ Workers) & Ranks #2 Metro for Engineering & Technician Density (Jobs LQ at 2.8), 2022

“The Detroit Region connects **the past and future of innovation** — this region is sitting at the nexus of muscle, hustle and brain.”

- Detroit Center for Innovation

#1 U.S. ARCHITECTURE PROGRAMS

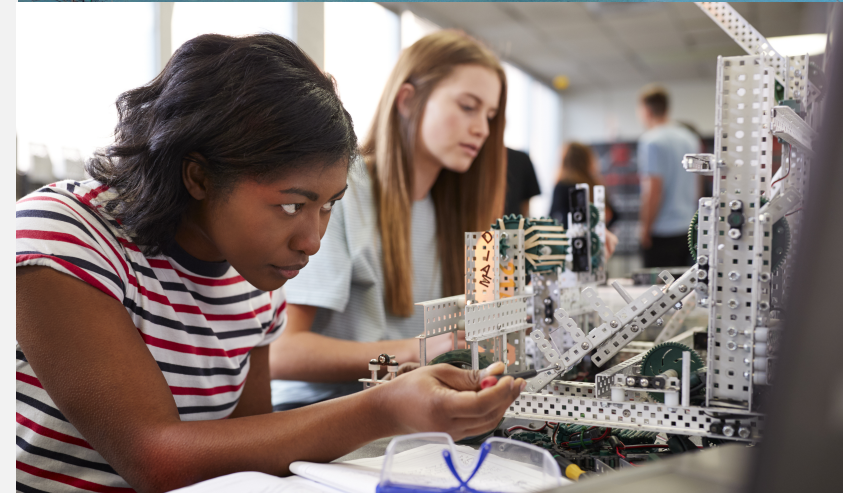
Detroit Mercy School of Architecture (SOA) Ranking, 2020

ONE OF THE TOP DESIGN PROGRAMS

Nationally is College for Creative Studies in Detroit

#6 FOR NUMBER OF INVENTORS

State Ranking, with More than 7,900 Patents in 2020





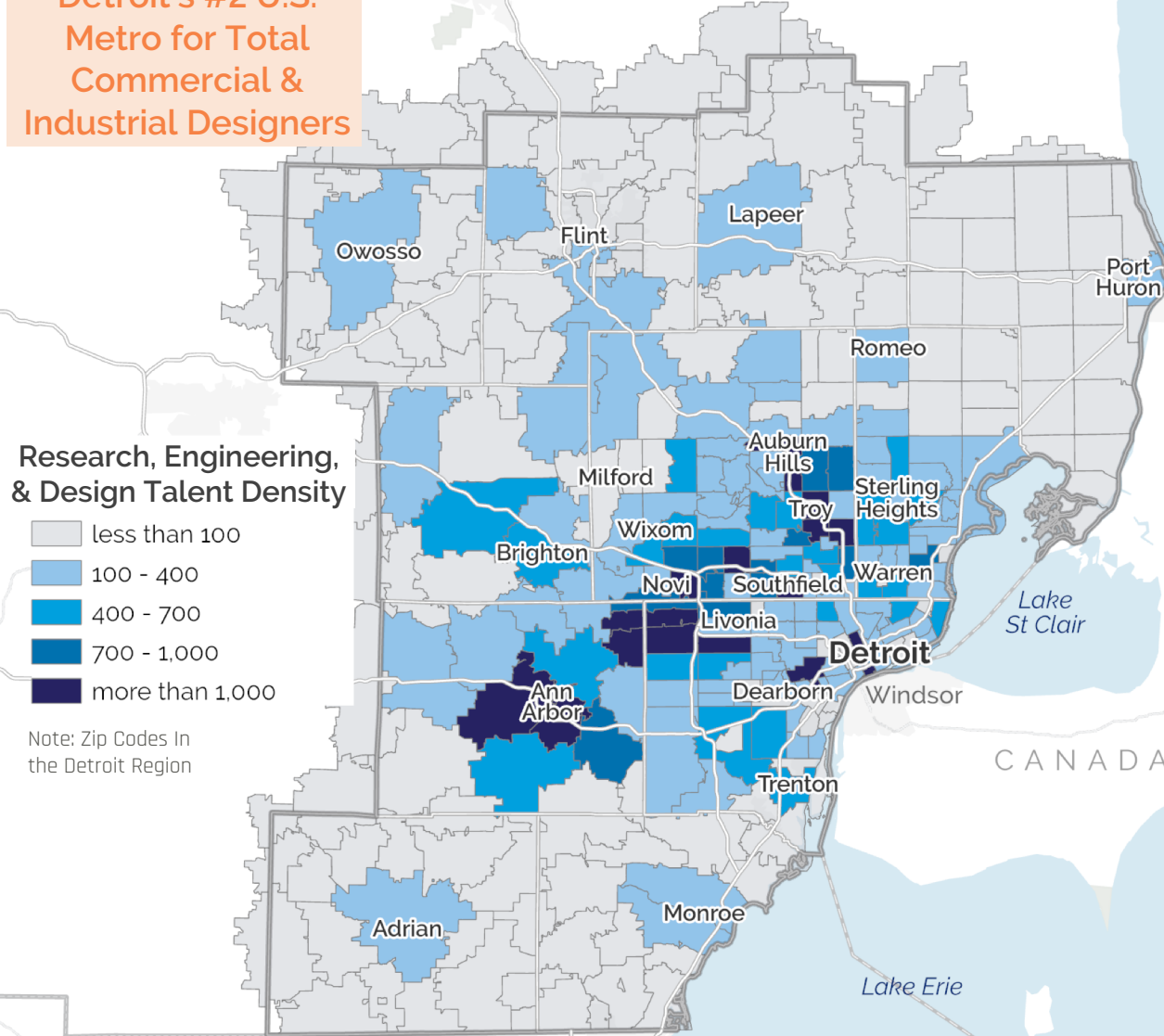
Detroit Regional Partnership

RESEARCH, ENGINEERING, DESIGN REGIONAL TALENT



DETROIT REGION'S TOP DESIGN & RESEARCH TALENT

Detroit's #2 U.S. Metro for Total Commercial & Industrial Designers



79,528 RESEARCH & DESIGN TALENT

37% Average Turnover Rate (Lower than U.S. Rate) and \$43.92 Hourly Wage (More Affordable than U.S. Avg.), 2022

THE REGION'S TOP RESEARCH & DESIGN TALENT OCCUPATIONS



11,585 Market Researchers

Two Times More Talent Density Than U.S. Avg.



3,562 Graphic Designers

Wages More Affordable than National Rates



2,588 Com. & Industrial Designers

Nearly Six Times More Talent Density Than U.S. Avg.



990 Operations Researchers

Wages More Affordable than National Rates



937 Web & Other Designers

Talent Growth Outpaced the U.S. Rate, Past Five Years

Source: Lightcast. Note: Includes 34 five-digit (SOCs) occupations based on the Research, Engineering, & Design Industry

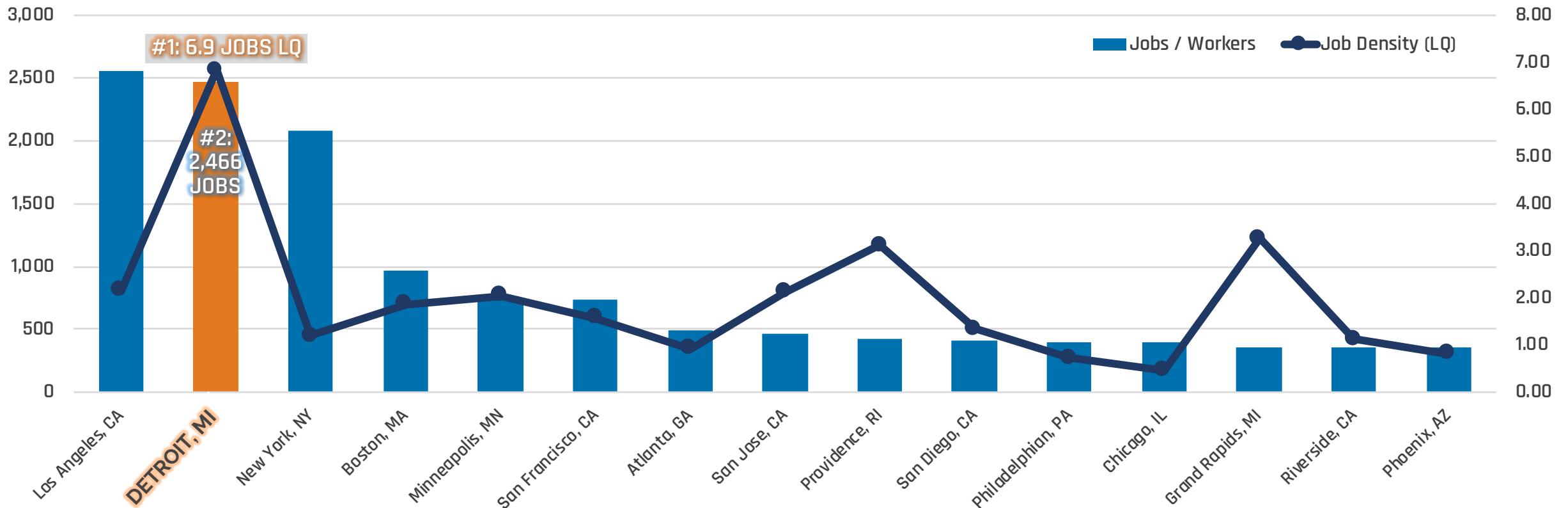
Note: Location ranking is based MSA, using the 6-County Detroit MSA within the Detroit Region



A TOP SPOT FOR COMMERCIAL & INDUSTRIAL DESIGNERS

The Detroit Metro ranks the **#2 U.S. metro for total commercial and industrial designers**, with more than 2,400 design workers in 2022. Out of the top national metros for commercial and industrial design talent, **Detroit ranks #1 for designer density** at a job LQ of 6.9 (more than New York, Los Angeles, and Chicago combined) and has one of the lowest turnover rate, 10 percentage points lower than Los Angeles & New York.

TOP U.S. METROS FOR COMMERCIAL & INDUSTRIAL DESIGN TALENT: TOTAL & DENSITY (LQ), 2022

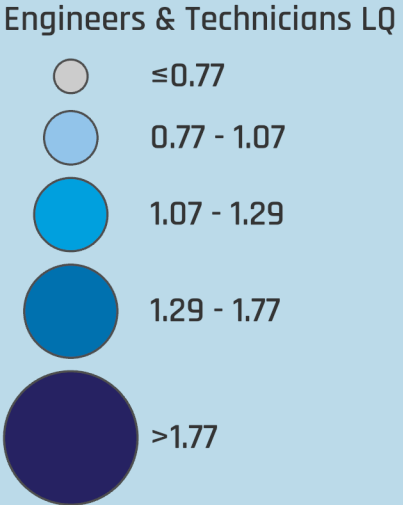
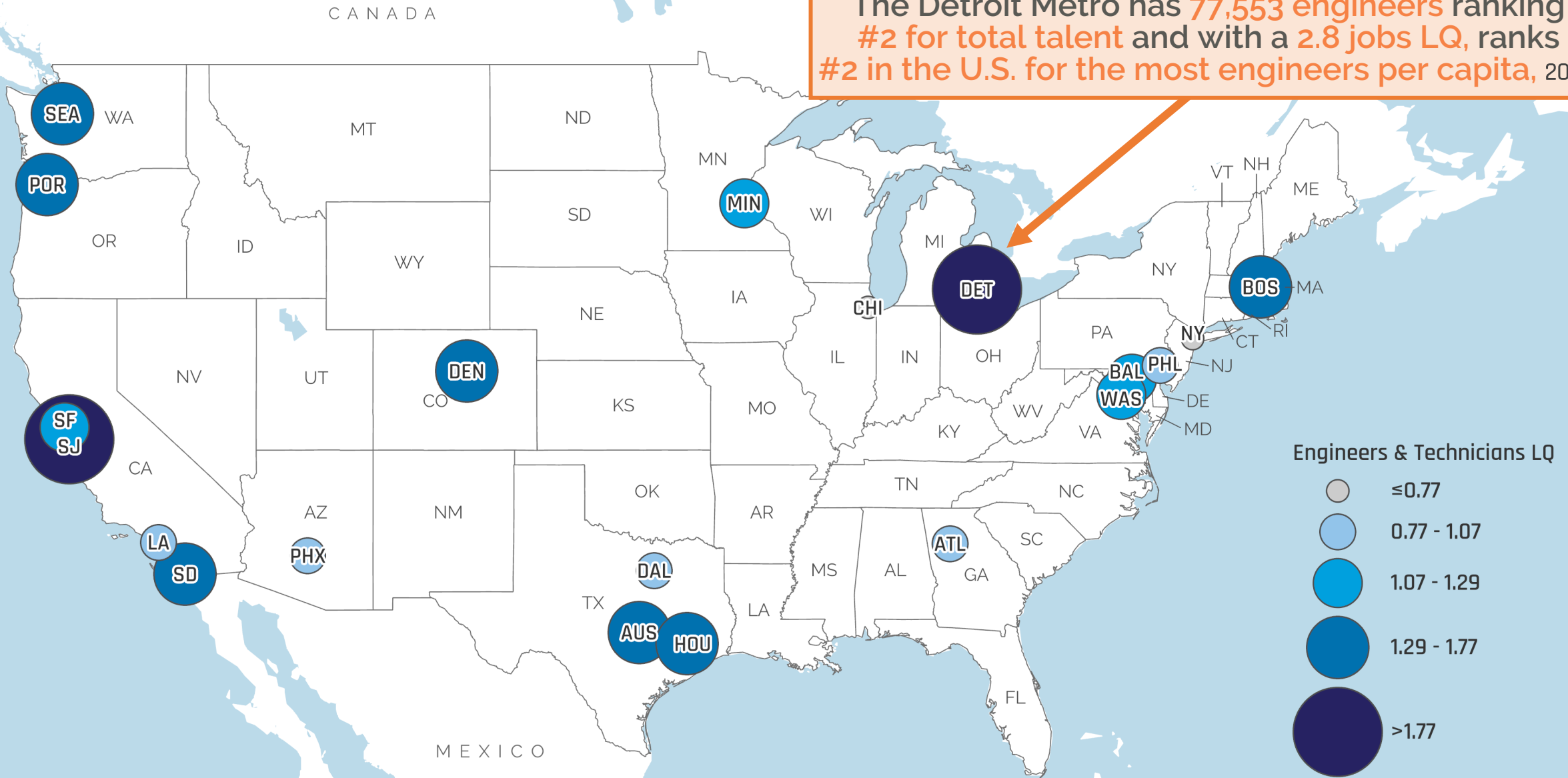


Source: Lightcast, Commercial & Industrial Designer SOC (27-1021) & Metros with Jobs Greater than 350. Note: Detroit Metro / MSA is 6-county area within the 11-county Detroit Region.



DETROIT METRO: #2 U.S. METRO FOR ENGINEERING TALENT

The Detroit Metro has **77,553 engineers** ranking **#2 for total talent** and with a **2.8 jobs LQ**, ranks **#2 in the U.S. for the most engineers per capita**, 2022.



*Second to Los Angeles, CA MSA in total jobs & San Jose, CA MSA for Jobs LQ
Source: EMSI, Location Quotient (LQ) measures concentration, 1 is the U.S. average

Map Note: Top 20 Metros by 2020 Engineers & Detroit MSA is 6 counties within the 11 county Detroit Region



Detroit Regional Partnership

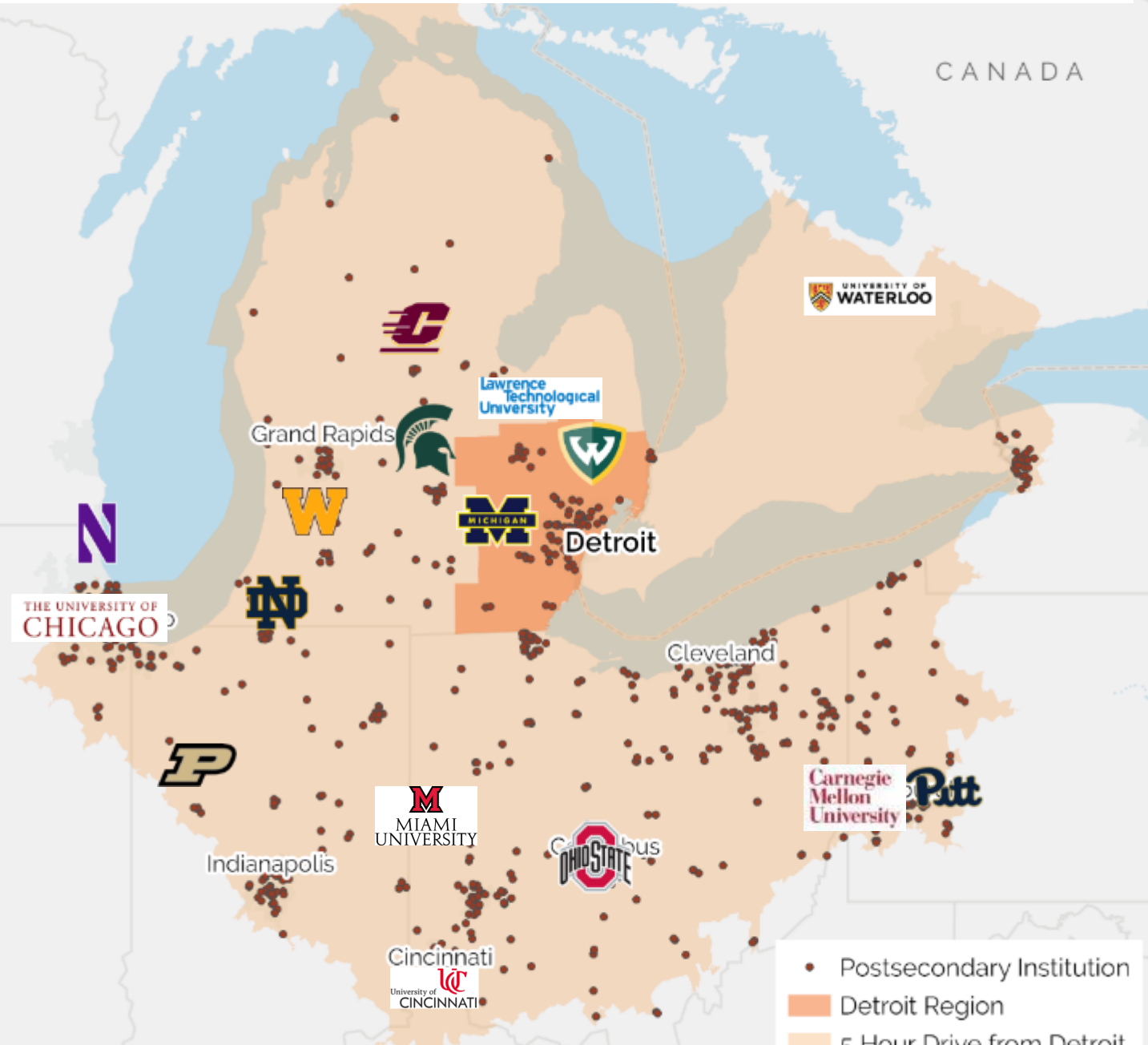
RESEARCH, ENGINEERING & DESIGN TALENT PIPELINE



DETROIT REGION'S HIGHER EDUCATION LOCATIONAL ADVANTAGE

2022 COMPLETIONS BY TOP PROGRAMS	DETROIT REGION	5-HOUR DRIVE TIME
Computer and Information Sciences, General	1,966	8,914
Mechanical Engineering	1,360	6,515
Electrical, Electronics, and Communications Engineering	654	3,761
Vehicle Maintenance and Repair Technologies/Technicians	541	60
Computer Engineering	439	2,560
Computer/Information Technology Admin.. and Management	434	2,317
Computer Programming	425	622
Industrial Engineering	417	1,418
Biomedical/Medical Engineering	325	1,861
Electrical and Computer Engineering	307	314
Aerospace, Aeronautical, and Astronautical/Space Engineering	294	1,400
Heavy/Industrial Equipment Maintenance Technologies/Technicians	280	25
Drafting/Design Engineering Technologies/Technicians	265	200
Engineering-Related Fields	201	1,277
Chemical Engineering	183	2,096
Civil Engineering	156	2,098
Mechatronics, Robotics, and Automation Engineering	145	258
Systems Engineering	144	300
Industrial Production Technologies/Technicians	144	535
Electrical/Electronic Engineering Technologies/Technicians	130	416
Electrical/Electronics Maintenance and Repair Technologies	122	11
Engineering, General	110	940
Engineering, Other	103	657
All Related Manufacturing Programs Total	9,889	44,384

Note: Completions include certificates and degrees Source: Lightcast



- Postsecondary Institution
- Detroit Region
- 5 Hour Drive from Detroit



DETROIT REGION'S ENGINEERING TALENT PIPELINE



University of Michigan – The Michigan Engineering is home to 11 top-ranked departments, that has a curriculums for master's, doctoral and interdisciplinary programs, and classes emphasize project-based learning. Ranked the #7 best U.S. engineering school, with specialty rankings in; #1 nuclear engineering, #3 environmental engineering, #5 mechanical engineering, #5 aerospace engineering, & #5 computer engineering by U.S. News 2020. Along with having a diverse staff, 44% of the College of Engineering faculty identify as female.

Lawrence Technical University – Offers 17 engineering undergraduate programs and 14 graduate that including bachelor's degrees in mechanical, industrial, and robotics engineering, along with graduate and doctoral degrees in manufacturing engineering and systems. The campus has an Automotive Engineering Institute (AEI) and hosts Robofest, an autonomous robotics competition in 2019 there were 2,500 students from over 27 countries involved.

Wayne State University – The university is a Carnegie Tier 1 doctoral research university. The College of Engineering improves quality of life through engineering and computer science education, research innovation and entrepreneurship with more than 50 degree and certificate programs. Wayne State has a range of robust facilities including the Center for Automotive Research, Mobility Institute, and more.

Kettering University - The University in Flint, MI ranks nationally for its engineering programs, the number alumni who hold patents, and overall career preparation. The College of Engineering is home to the Departments of Chemical Engineering, Electrical and Computer Engineering, Industrial and Manufacturing Engineering, and Mechanical Engineering.



DETROIT REGION'S DESIGN & RESEARCH TALENT PIPELINE



College for Creative Studies – The College for Creative Studies (CCS) is a nonprofit, private college authorized by the Michigan Education Department to grant Bachelor's and Master's degrees. CCS, located in midtown Detroit. Ranked #6 Best Colleges for Design in America by Niche 2020. The College offers free art education for more than 4,000 Detroit youth through its Community Arts Partnerships and has a public charter enrolling more than 800 students with a focus on art and design. Along with having a the Design Core Detroit department, offers services to strengthen, grow and attract design businesses, increases market demand for design services, and tells Detroit's design story locally and globally.

Cranbrook Academy of Art – Nation's top-ranked school devoted exclusively to graduate education in art, architecture, craft, and design located in Bloomfield Hills. Ranked #15 Best fine arts program by U.S. News 2020. Each year, more than 100 self-motivated students come together to form an artistic community in which each individual develops with the mentorship of renowned Artists-in-Residence.

Wayne State University - Located in downtown Detroit, offering programs in Design, Urban Planning, Construction Management, Civil Engineering, and more. Reported a large increase in research funding to \$320 million in 2020 which ranked one of the top universities in the nation for R&D spending.

University of Michigan – The nation's number one public research institution with more than \$1.6 billion in research expenditures (2019). The school of art and design ranked #8 top programs by U.S. News 2020 and reported to have a 91% career placement rate. The Penny W. Stamps School of Art & Design has 18 advanced design studios.



MICHIGAN OUTPERFORMS NATIONAL UNIVERSITY RESEARCH CLUSTERS

Michigan's University Research Corridor (URC) is one of the nation's top academic research clusters and leading engine for talent and innovation, along with being the only innovation cluster comprised of public institutions.

The URC universities educate Michigan residents, attract talented workers, support innovation, and encourage the transfer of new technology to the private sector, with the goal to connect Michigan's knowledge to the world.

1.5 Million Alumni Worldwide
More than Half Reside in Michigan, 2022

Leads U.S. for Mobility Grads
More than CA, TX, and MA Clusters, 2021

Ranks #1 for Medical Degrees
#3 for Tech Degrees, Among Peer Clusters

350+ Business Startups
Launched at Michigan URC, 2012-2022

URC 2022	PEER RANK	VOLUME
Student Enrollment	#1	154,786
Degrees Awarded	#3	37,466
R&D Spending Expenditures	#4	\$2.6 Billion
Tech Licensing & Options	#2	283 Licenses

MICHIGAN URC

SOUTHERN CALIFORNIA

MASSACHUSETTS

NORTHERN CALIFORNIA

PENNSYLVANIA

NORTH CAROLINA

TEXAS

ILLINOIS



UC San Diego



Ucla



Carnegie Mellon University



Northwestern



DETROIT REGION'S UNIVERSITY & BUSINESS COLLABORATION



University of Michigan Multidisciplinary Design Program

- Provides 800+ experiential (“learn by doing”) opportunities for students from across the university every year.
- Students apply what they learn in class to engineering design challenges, gain technical and professional skills necessary to succeed in engineering research or industrial settings, and experience how multiple disciplines collaborate within a team.
- The program is open to undergraduate and graduate students who earn academic credit for being on a team.
- About 25% of participants are from non-engineering disciplines.
- Sponsored Industry Projects = 2-semester projects sponsored by an industrial or non-profit client.
 - Small teams of students (5-7) are guided weekly by both a Faculty and Sponsor mentor.
 - Students develop core translatable skills for professional practice, including project management, industrial design reviews, testing methodology development, standard validation methods and processes, and multi-stakeholder communication.



Detroit Regional Partnership

RESEARCH, ENGINEERING & DESIGN REGIONAL ECOSYSTEM



DETROIT REGION'S KEY RESEARCH, ENGINEERING, & DESIGN COMPANIES



Note: Not a Comprehensive List

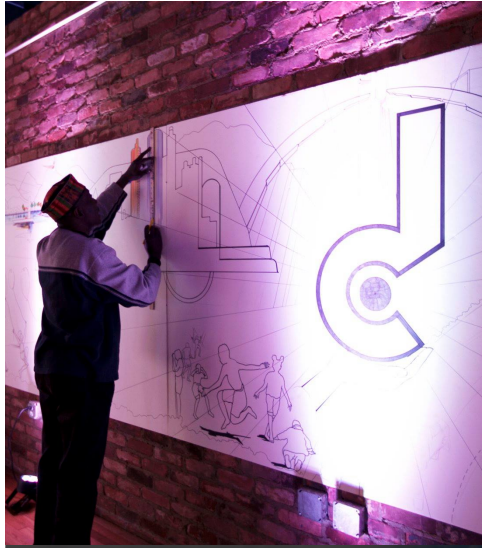
"Locating in the Detroit Region allows the company to draw from one of the densest engineering talent pools in the United States. Quality talent, low-cost of living, and many others were among decisive reasons Ann Arbor was selected for the new R&B hub."

- Bobby Bell, Chief Strategic Officer, KLA-Tencor





THE REGION'S DIVERSE DESIGN & RESEARCH ORGANIZATIONS



Design Core Detroit - As a department within the College for Creative Studies, the services help strengthen and grow design businesses. The Detroit Design Network operates as a design trade association that provides members workshops, business development opportunities, promotion, and more.

American Institute of Architects (AIA) Detroit - Professional association for architects. A chapter of the American Institute of Architects, AIAD is the most prominent voice for the profession of architecture and its allies in the Detroit Metro, and seeks to improve the practice of architecture and the quality of the built environment.

CultureSource - Regional alliance of nonprofit arts and culture organizations that work to cultivate creative and cultural expression throughout Southeast Michigan.

Industrial Sewing and Innovation Center (ISAIC) - Detroit-based but a national resource for those committed to positive impact through responsible production of high-quality garments and provides solutions centered around people, education, advanced manufacturing and upward mobility for workers. There's a proprietary training curriculum used in multiple states across the country, the learning and contract manufacturing factory is in mid-town Detroit (above Carhartt's flagship store).

Grace in Action (GIAC) - Network of worker-owned cooperatives and youth-run collectives in Southwest Detroit. The network's goal is to utilize design and coding skills for personal media making and solving community problems.

Organization of Black Designers - The Organization of Black Designers is a national professional organization of interior, industrial/product, architectural, fashion, UX, UI and graphic designers dedicated to promoting the visibility, empowerment, education and interaction of its membership and the understanding and value that diverse design perspectives contribute to world culture and commerce.

National Organization of Minority Architects, Detroit - Professional architectural organization designed to be a conduit of knowledge and experience to the youth and community. NOMA's mission is to empower local chapters and membership to foster justice and equity in communities of color through outreach, community advocacy, professional development and design excellence.

Engineering Society of Detroit - Serving this generation of engineers, scientists and allied professionals and fostering the next.

Society of Automotive Engineers International, Detroit - Organizational group leading in connecting and educating engineers while promoting, developing and advancing aerospace, commercial vehicle and automotive engineering.



Detroit Regional Partnership

INVESTMENT SPOTLIGHTS, CASE STUDIES & BUSINESS CLIMATE



INVESTMENT SPOTLIGHT: EXPLEO - New & First U.S. R&D Facility

2023

\$11.1 Million Investment

200 Jobs Created

Site Selection & Talent Support

OVERVIEW:

- Expleo USA Inc. based in France is establishing its first North American research and development facility in Oakland County.
- The new location will provide local and global automotive OEMs and Tier1 suppliers with services and expertise in a wide range of competencies (electronics, hardware/software, digitalization, IT and consulting) to support our customers in the trend of software-defined vehicle transformation and new digital services.

WHY THE REGION:

- Support: DRP assisted the company with site location, overview of region, talent support, and local support.
- Michigan was chosen over competing sites in Canada, the Midwest and locations in the southern U.S. The company cited Michigan's significant automotive presence, the state's engineering talent, proximity to established relationships with its current suppliers and customers, and Michigan as a welcoming state for its employees to live, work, and play.



"Expleo chose to invest in Michigan because of our strong mobility business environment, inclusive laws, skilled workforce, and ongoing economic momentum to ensure anyone can 'make it in Michigan.'"

- Michigan Governor Gretchen Whitmer

FOR MORE INFORMATION:

[Expleo Press Release](#)

[MEDC Press Release](#)

[Business Wire Article Link](#)



INVESTMENT SPOTLIGHT: TOYOTA - New Laboratory / R&D Facility

2023

\$50 Million Investment

\$10 Million STEM Investment

Michigan Expansion

OVERVIEW:

- Toyota Motor North America, Inc. (Toyota) plans to construct a new laboratory facility and R&D headquarters to evaluate / support development of EV batteries in York Township (Washtenaw County), projected to open in 2025.
- The team will work with other partner suppliers to incorporate locally-produced battery parts and materials in support of Toyota's multi-pathway approach to reducing carbon emissions through its portfolio of hybrid, plug-in hybrid, fuel cell and battery electric product offerings.
- Beyond battery development, other lab activities are expected to include evaluations using Level 2 and Level 3 charging as well as connectivity to power sources and infrastructure.

WORKFORCE IMPACT:

- The Toyota USA Foundation is providing nearly \$10 million in a five-year, phased approach for Eastern Michigan University and Community Transportation Association of America (CTAA) to administer for the expansion of hands-on STEM learning.

"This new investment in our North American R&D operation, which has been a key pillar of the Michigan automotive industry for more than 50 years, shows Toyota's directional shift towards electrification for all."

- Shinichi Yasui, executive vice president of Toyota Motor North America (TMNA), Research and Development



FOR MORE INFORMATION:

[Cision Article Link](#)

[Click On Detroit Article Link](#)

[Detroit Free Press Article](#)



INVESTMENT SPOTLIGHT: PACE INDUSTRIES - Engineering & Mfg. HQ

2021 | \$1.9 Million Investment

64 Jobs Created

+12,000 Sq. Ft. Office

+\$250k Incentives

OVERVIEW:

- Pace Industries provides die casting, manufacturing and engineering solutions around the world in the automotive, lighting, appliance and powersport industries.
- At the new Novi office, there are executives, engineering, sales and marketing functions.
- Pace Industries, operates 17 manufacturing facilities with 4,000 associates across U.S. and Mexico.

WHY THE REGION:

- Pace Industries relocated its global headquarters to Novi in Oakland County, MI due to its proximity to customers advantage, supply-chain assets, and top-tier talent.
- The site out competed other locations in Chicago, IL; Atlanta, GA; Philadelphia, PA; and the former Fayetteville, AR headquarters.

INCENTIVES:

- \$250,000 Michigan Business Development Program performance-based grant
- DRP and the city of Novi will assist the project by providing videography, marketing assistance and recruitment support.

"Pace Industries recently moved its global headquarters to the Metro Detroit area for better access to our customer and supply bases, and the engaged, experienced talent that Michigan has to offer. The MEDC, Detroit Regional Partnership, city, and county all provided support with the initial move and continue to work as valued partners as we expand our team."

- Donald Hampton Jr., CEO, Pace Industries



Pace Industries Headquarters



FOR MORE INFORMATION:

[Pace Industries Press Release Link](#)

[City of Novi Press Release Link](#)

[Crain's Detroit Business Article Link](#)



TÜV SÜD- EV and R&D Battery Lab Testing Facility

2021

\$44+ Million Investment

40 Jobs Created

80,000 Sq. Ft.

\$2.3 Million Incentives

OVERVIEW:

- TÜV Süd America, opened the North America Transportation Electrification Laboratory in Auburn Hills (Oakland County).
- The lab has electric vehicle lithium-ion battery testing and certification services to ensure batteries, cells, chargers, and electrical components for use in automotive applications for all major manufacturer and industry certifications.

INCENTIVES:

- \$1.5 million in real property tax abatement
- \$400,000 job training assistance grant
- \$240,000 Michigan Business Development Program performance-based grant
- Michigan Strategic Fund also approved a State Education Tax abatement

“The Detroit Regional Partnership, State of Michigan, MEDC and the city of Auburn Hills have all been excellent supporters of TÜV SÜD as we investigated and selected a site for our state-of-the-art lab in Auburn Hills.”

– Jonathan Drew, Head of Transportation Testing in North America at TÜV SÜD



FOR MORE INFORMATION:

[Area Development Article Link](#)

[DBusiness Article Link](#)



INVESTMENT SPOTLIGHT: GENERAL MOTORS - Battery Innovation

2021

“Investment of Hundreds of Millions of Dollars & Job Creation”

New 300,000 Sq. Ft.

OVERVIEW:

- General Motors (GM) is building a new battery innovation center in Warren, at the GM Global Technical Center campus that's expected to be completed mid-2022.
- Goal of this location is to support the automaker's growth in battery tech and accelerating the development of longer range, more affordable EV batteries.
- Engineers at this location will work to advance technologies such as; lithium-metal, silicon solid-state batteries, and production methods for battery cell plants.

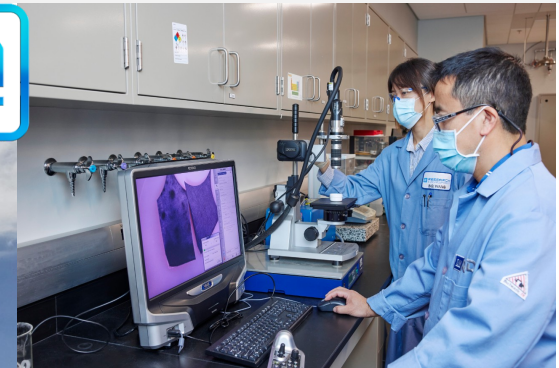
EV COMMITMENT & LOCAL GROWTH:

- GM hopes to develop EV battery cells that can deliver 500 to 600 miles of range on a single charge and reduce the cost to make those batteries by 60% .
- The first of the new EVs to come to market is the GMC Hummer EV pickup that will be released in late 2021 and is built at Factory ZERO in Detroit and Hamtramck.

“The Wallace Center will significantly ramp up development and production of our next-generation Ultium batteries and our ability to bring next-generation EV batteries to market. The addition of the Wallace Center is a massive expansion of our battery development operations and will be a key part of our plan to build cells that will be the basis of more affordable EVs with longer range in the future.”

– Doug Parks, Executive Vice President, Global Product Development, Purchasing and Supply Chain, General Motors

Architectural rendering of the completed first phase of GM's Wallace Battery Cell Innovation Center.



FOR MORE INFORMATION:

[GM Press Release Link](#)

[Detroit Free Press Article Link](#)

[TechCrunch Article Link](#)



INVESTMENT SPOTLIGHT: FORD MOTOR COMPANY - Ford Ion Park Lab

2021

\$185 Million+ Investment

270,000 Sq. Ft. Revitalization & 185,000 New Sq. Ft. Lab

OVERVIEW:

- Ford Motor Company announced the Ford Ion Park Lab that will be the company's global battery center of excellence and planned to open in Romulus, Michigan in 2022.
- The lab will refurbish an existing building to focus on technology research and the future of battery manufacturing, allowing to pilot advanced manufacturing techniques and quickly scale battery cell design.
- The cross-functional lab team consists of more than 200 engineers, researchers, and other staff.
- Supports the battery cell design, validation, controls, calibration, pack development, and pilot projects with different chemistries – being able to replicate the performance of full-scale production batteries under extreme weather and customer use cases in future vehicles.

REGIONAL GROWTH:

- Also, opened a new Battery Benchmarking and Test Laboratory in Allen Park, Michigan, which opened in late 2020 and has already analyzed more than 150 types of battery cells.

“Investing in more battery R&D ultimately will help us speed the process to deliver more, even better, lower cost EVs for customers over time. Ford is planning to centralize expertise in battery technology, research, manufacturing, planning, purchasing, quality and finance to help Ford more quickly develop and manufacture battery cells and batteries.”

– Hau Thai-Tang, Chief Product Platform and Operations Officer, Ford Motor Company



Ford's Battery & Benchmarking Test Lab



FOR MORE INFORMATION:

[Ford Motor Company Press Release Link](#)

[Detroit Free Press Article Link](#)



INVESTMENT SPOTLIGHT: NISSAN - Safety Advancement Lab

2021

\$41+ Million Investment

1,200 Employees

Industrial Facilities Exception Certificate

OVERVIEW:

- Nissan opened the Safety Advancement Lab in 2021, which is for vehicle safety testing located on the company's technical center for North America.
- This expansion brings Nissan's overall investment in Farmington Hills to more than \$310 million since opening in 1991.

SITE CAPABILITIES:

- The new lab is equipped with state-of-art, high-speed photography systems, data acquisition equipment and a precise vehicle tow system.
- The Nissan Technical Center North America includes full vehicle crash testing, vehicle certification, advanced development testing and benchmarking.
- Engineers can conduct 48 different passive safety crash test simulations onsite, creating efficiencies in timing and results analysis.

SITE CAPABILITIES:

- The company has applied and been approved for a Industrial Facilities Exemption Certificate by the Farmington Hills City Council.
- That certificate allows for a reduction of taxes on 50% of the new construction for the next six years once the facility is complete.

“This expansion underscores Nissan’s commitment to the region and enables us to be a global center of excellence for new vehicle testing,”

– Chris Reed, Regional Senior Vice President, Research and Development, Nissan Americas



FOR MORE INFORMATION:

[Area Development Article Link](#)

[Detroit Free Press Article Link](#)



CASE STUDY: GREAT LAKES INNOVATION HUB, University of Michigan

2021 | \$15 Million Investment | 11 Universities Across Eight States

Train +2,350 Teams *Next Five-years

OVERVIEW:

- To nurture a regional innovation ecosystem and move more discoveries from the research lab to the real world, the National Science Foundation established a Great Lakes Innovation Corps Hub that's led by the University of Michigan.
- The \$15 million hub is one of three across the country that NSF announced today as it continues to evolve the I-Corps program that trains scientists and engineers.

SUCCESS STORIES:

- Over the past four years, the program has introduced the entrepreneurial mindset to more than 3,000 scientists and engineers across the country and it has helped teams assess the potential of nearly 1,000 new technologies.
- A former team includes: S3D, which has patented printheads that print circuits, switches, antennae, and sensors onto new and existing surfaces with complex and curved geometries at less than 20 micron, thus enables in-vehicle sensing that can be printed onto any surface such as seats, steering wheels, and glass.

"The Great Lakes region is home to many of the world's leading research institutions, and many of our nation's critical industries. Our goal with this I-Corps hub is to leverage this intellectual depth to create a lasting economic impact on the region,"

- Alec D. Gallimore, The Robert J. Vlasic Dean of Engineering, the Richard F. and Eleanor A. Towner Professor, an Arthur F. Thurnau Professor, and a professor of aerospace engineering



FOR MORE INFORMATION:

[University of Michigan Press Release Link](#)

[Simplify 3D \(S3D\) Software Link](#)



INVESTMENT SPOTLIGHT: KLA TENCOR – R&D Hub/Headquarters

2019

\$150 Million Investment

500-600 New Jobs Created

+288,000 New Sq. Ft. Campus

OVERVIEW:

- KLA-Tencor is investing and expanding in Ann Arbor, Michigan; with a R&D hub that opened in 2019 and a second U.S. headquarters that opened in 2021.
- The company is also building partnerships with the University of Michigan's College of Engineering and other partners across the Detroit Region.

WHY THE REGION:

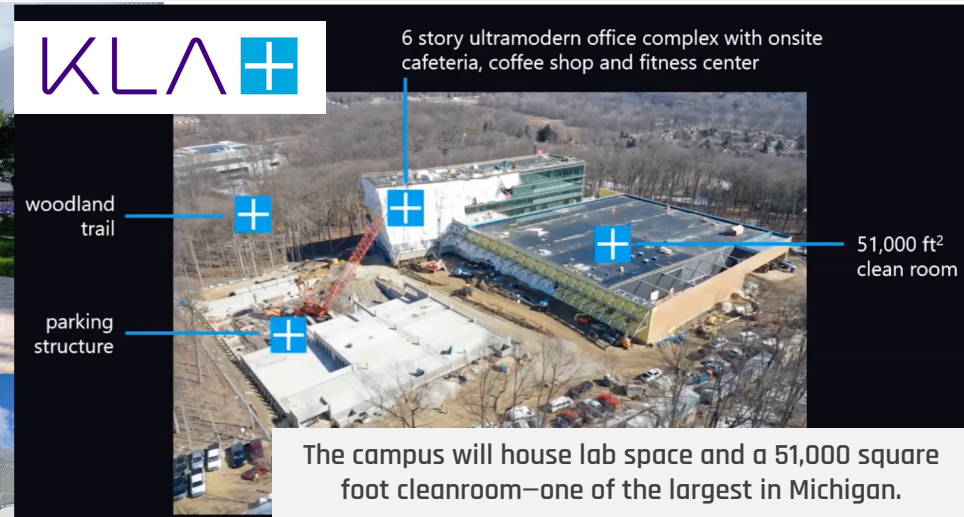
- The Region was selected over 390 other sites, that were considered across the nation, due to quality of talent, transit accessibility, and high quality of life.
- "Silicon Valley Career, Great Lakes Style. We are building an ultramodern campus, incorporated into 18 acres of natural woodland, just east of Ann Arbor."

EQUITY, DIVERSITY, & INCLUSION:

- Since opening the R&D hub / office in 2019, the company reported a 57% female representation in site leadership roles and a 30% overall female representation in all Michigan employees.
- The Mosaic ERG is a diverse group of employees who work together to build a culture of belonging through a variety of inclusion and diversity activities.

"Locating in the Detroit Region allows the company to draw from one of the densest engineering talent pools in the United States. Quality talent, low-cost of living, and many others were among decisive reasons Ann Arbor was selected for the new R&D hub."

- Bobby Bell, Chief Strategic Officer, KLA-Tencor



FOR MORE INFORMATION:

[KLA Tencor Video: Why Michigan Link](#)

[KLA Tencor Technology Park Website Link](#)



INVESTMENT SPOTLIGHT: MULTIMATIC – R&D Hub/Headquarters

2019

\$7.8 Million Investment

50 New Jobs Created

+24,800 New Sq. Ft. Center

OVERVIEW:

- Multimatic Inc. based out of the United Kingdom, opened SimCenter in Novi, Michigan, which is a state-of-the-art driving simulation and vehicle development center.
- The center opened in 2020 develops technology for hybrid and electric vehicles encompasses 8 acres.
- The center will allow the company to conduct its own internal R&D and will include expanded space for operations including equipment test cells, a control room, conference rooms and a test property preparation area.
- The facility will be optimized to meet customer demand for rapid, cost-effective development of next-generation vehicle systems with features such as driver assistance and autonomous operation.

WHY THE REGION:

- Michigan was chosen for the expansion over a competing site in Canada.
- This is the company's second location in Michigan, operating a plant in Jackson as well.
- Awarded more than \$604,000 by the Michigan Business Development Program grant.
- City of Novi granted the property a tax abatement.

“Multimatic is optimistic about the growth and opportunity present in the Southeast Michigan area. We are grateful for the support throughout the state of Michigan; the MEDC, Oakland County, and the city of Novi have been tremendous partners throughout our selection process. With such strong community backing, we look forward to leveraging VI-grade's state-of-the-art simulator technology and introducing its capabilities to the North American market.”

– Raj Nair, President and Chief Operating Officer, Multimatic



FOR MORE INFORMATION:

[Multimatic Press Release Link](#)

[MEDC Press Release Link](#)

[Crain's Detroit Article Link](#)



MICHIGAN IS ONE OF THE TOP LOCATIONS FOR BUSINESSES



Michigan and the Detroit Region provide a highly-competitive business case for any investment project

#12 TOP STATE FOR BUSINESS

Tax Foundation Business Climate Ranking, 2023

#5 LOW TOP MARGINAL TAX RATE

Lowest Rates at 4.25% (CA is 13.3% & NY is 10.3%)

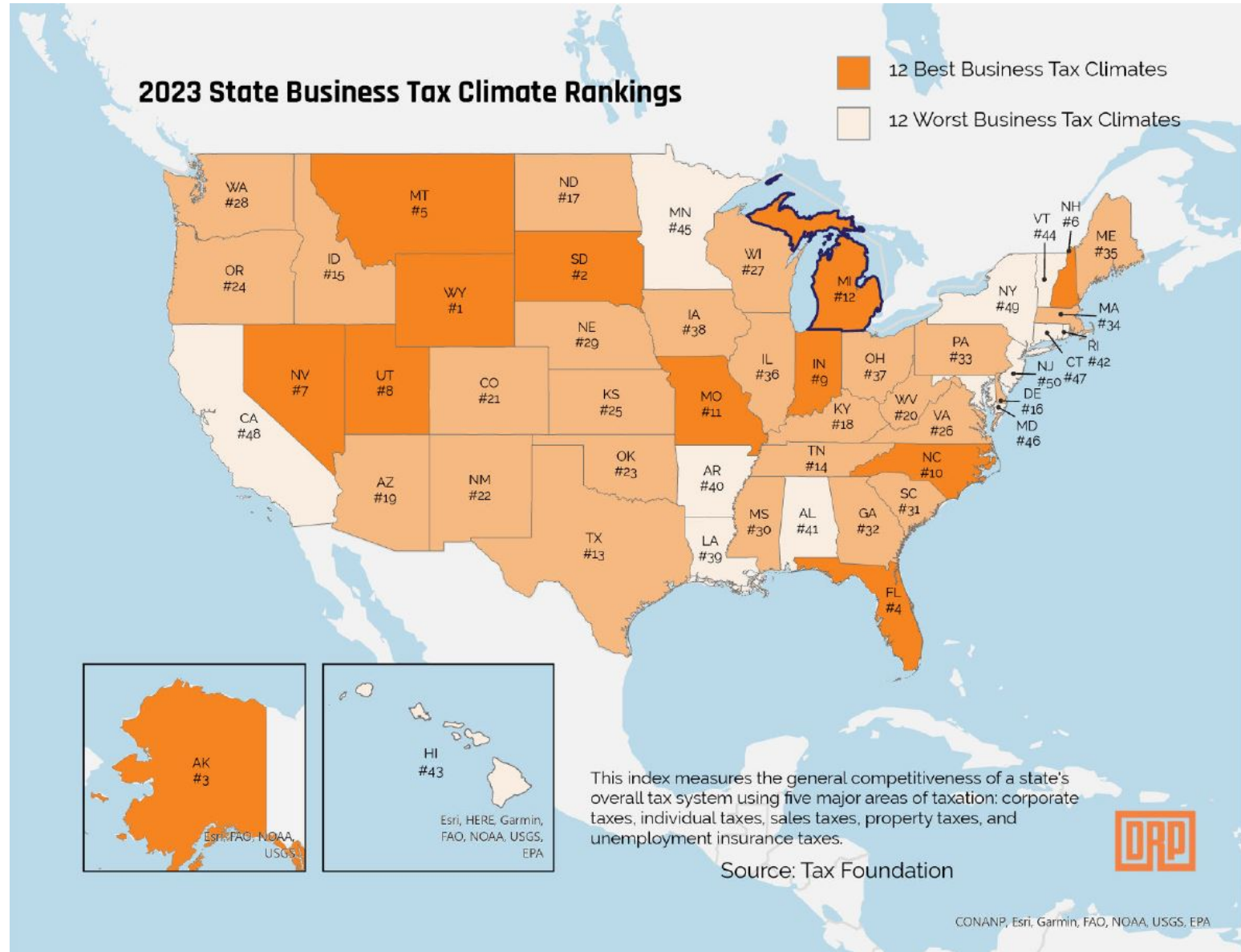
#7 LOWEST UI TAX LIABILITY

Unemployment Insurance (UI) Tax Component

MICHIGAN'S TAX RATES OVERVIEW

Michigan's tax rates are highly competitive and made significant corporate tax reform that eliminated modified gross receipts tax with a standard corporate income tax.

- 6% Corporate Income Tax
- 6% Flat Sales Tax/Use Tax
- 4.25% Individual Income Tax





DETROIT REGION'S PARAMOUNT INDUSTRY CLUSTERS

DRP has seven targeted industry clusters that was identified to support and diversify the economy, while creating jobs for all in the 11-county Detroit Region.

The story maps contain regional data trends,, local expertise insights, case studies, and has a complimentary downloadable business case PDF.



LINKS TO THE INTERACTIVE INDUSTRY CLUSTER STORY MAP:



[MOBILITY & AUTOMOTIVE](#)



[SMART MANUFACTURING](#)



[CORPORATE & PROFESSIONAL SERVICES](#)



[RESEARCH, ENGINEERING, & DESIGN](#)



[DIGITAL TECHNOLOGY](#)



[LOGISTICS](#)



[FINANCIAL SERVICES](#)



Detroit Regional Partnership

MARKET.

GROW.

SUPPORT.

The DRP is an economic development 501(C)(3) nonprofit that offers confidential, no-cost assistance to domestic and international companies seeking to explore and invest in the 11-county Detroit Region.

DRP SERVICES

- A Single Point of Contact
- Regional Data
- Connections to Key Partners
- Incentives and Talent Assistance
- Building and Site Analysis

DRP CONTACT

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- Office: 1001 Woodward Ave. Suite #800
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- Reach out for your local project partner!

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