

Mapping Portland's Manufacturing Support Ecosystem



June 2018

Acknowledgements and Thanks

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Most importantly, thank you to the survey respondents and focus group participants for their time and insights, without which this report would not have been possible.

REPORT DESIGN Maria Klushina

All images courtesy of Prosper Portland.

¹ Organizations included in this ecosystem map participated in our *State of Urban Manufacturing* study; UMA does not represent this constitutes a comprehensive list of organizations that serve makers and manufacturers in Portland. Our hope is that this encourages local partners to compile a fuller listing and keep it up-to-date as the support landscape changes over time.

² For the purpose of our study, region is geographically larger than a city and smaller than state; however, a region may contain portions of more than one state.

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About the *State of Urban Manufacturing*

The Urban Manufacturing Alliance conceived the *State of Urban Manufacturing* study as a way to give policymakers, economic development practitioners, and workforce training providers information they can use to make strategic decisions to support urban manufacturers. Longer term, this information may serve as a foundation to expand understanding across the economic development field. To inform this national research, UMA collected information directly from hundreds of manufacturers across six pilot cities — including close to 100 in Portland — on the nature of their businesses and the challenges they face; the research team also spoke with a variety of organizations that aim to support these firms. Those support organizations informed the following Ecosystem Map. Its intent is to help producers and the organizations that support them match the right resources to businesses' needs.

About the Urban Manufacturing Alliance

The Urban Manufacturing Alliance is a national coalition of organizations that are building manufacturing economies fit for the 21st century. Our goal is to create pathways to middle-class jobs, spark homegrown innovation, and ensure that cities and towns continue to be the places where we make things. Through our Communities of Practice, in-person Gatherings, and original policy research, UMA showcases current practices, programs, and people that are uplifting manufacturing and creating more equitable communities. Learn more at www.urbanmfg.org.

Methodology for the Ecosystem Mapping Process

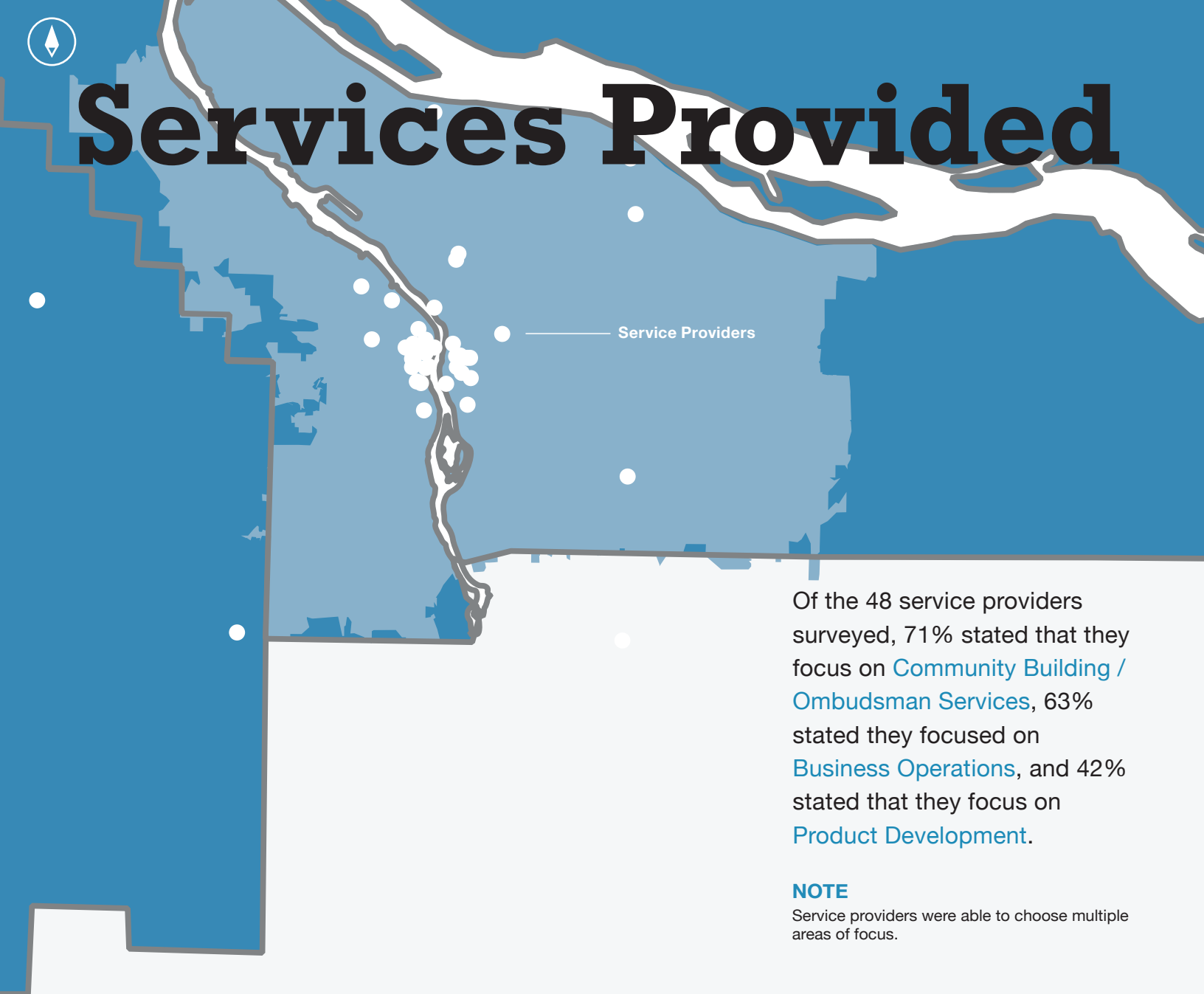
UMA was able to survey 48 organizations in Portland that support manufacturers. The survey asked about:

- The general types of services offered to manufacturers, from among the following categories: Business Operations, Access to Capital, Product Development, Real Estate, Workforce Development, and Community Building/Ombudsman Services
- Specific programs within each service category
- Specific manufacturing subsectors on which each organization might focus
- Whether organizations served the entire city, specific neighborhoods, or particular types of manufacturers (some providers have a national footprint)

Some of the visualizations may list programmatic categories without any organizations working directly in that area. In addition to enumerating existing programs, an important goal of this process was point to gaps in existing manufacturing services. Our hope is that this information is leveraged for continued—and improved—collaborations across service providers, especially to address unmet needs. We also hope that these services will be periodically re-mapped to reflect changes in this ecosystem.

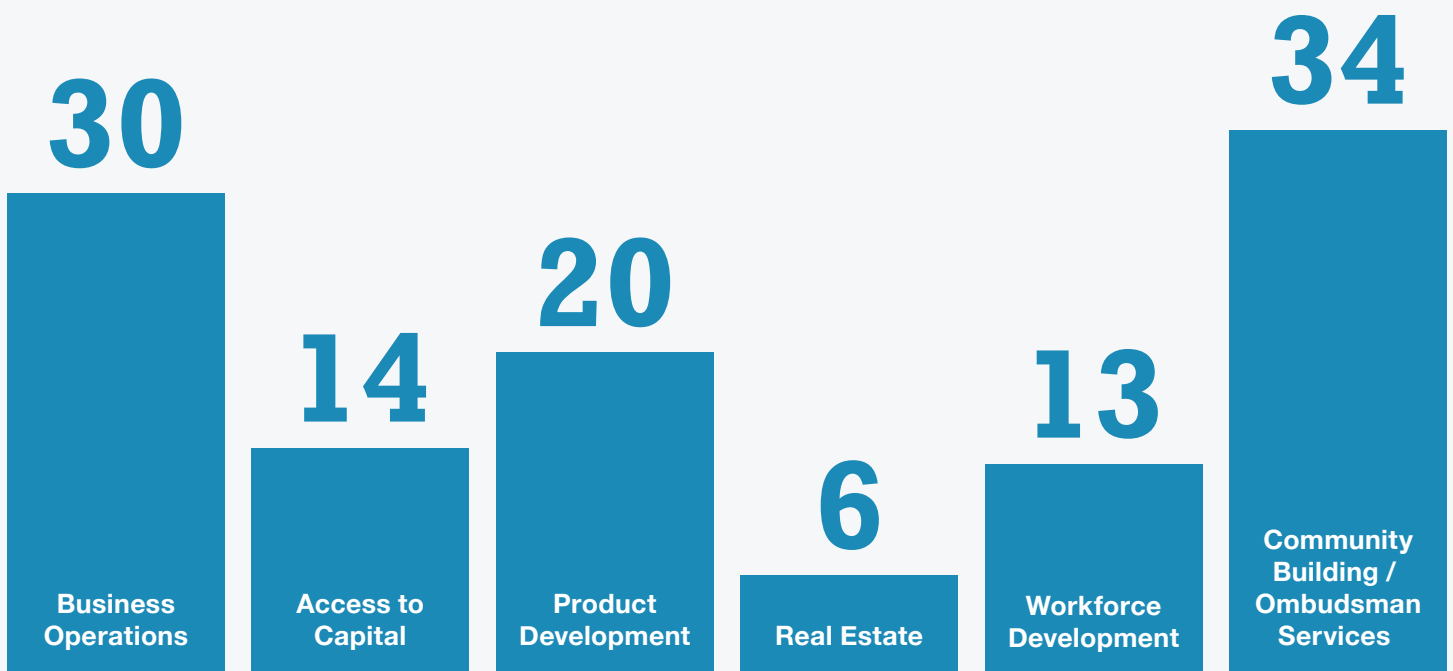


Services Provided



Of the 48 service providers surveyed, 71% stated that they focus on **Community Building / Ombudsman Services**, 63% stated they focused on **Business Operations**, and 42% stated that they focus on **Product Development**.

NOTE
Service providers were able to choose multiple areas of focus.



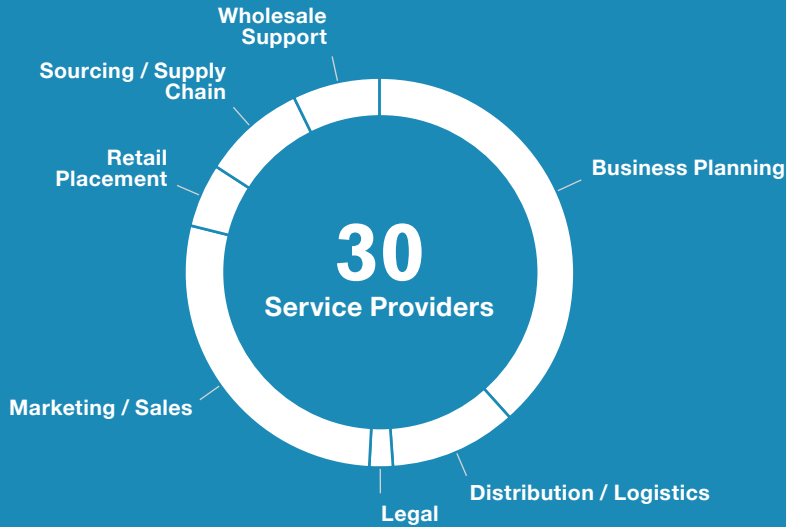
Service Provider Overview

	SERVICES PROVIDED						SUBSECTORS SERVED											
	Business Operations	Access to Capital	Product Development	Real Estate	Workforce Development	Community Building	All Subsectors	Apparel, Textiles, & Leather	Ceramics	Chemical & Material Manufacturing	Computer & Electronics Product Manufacturing	Electrical Equipment, Appliance, & Component Manufacturing	Food & Beverage	Jewelry & Accessories	Medical Product Manufacturing	Metalwork, Machining & Fabrication	Printing & Related Support Activities	Wood Product Manufacturing
ADX																		
Ascent Funding																		
Built Oregon																		
Central Eastside Industrial Council																		
Columbia Corridor Association																		
Craft3																		
Crowd Supply																		
Design Museum Portland																		
Ecoservice																		
Entrepreneurs' Organization - Portland Chapter																		
Global Homestead Community Garage																		
Government Contract Assistance Program - Organization for Economic Initiatives																		
Hatch Innovation																		
Madden Fabrication																		
Madden Industrial Craftsmen																		
MadeHere PDX																		
Mercy Corps																		
Meriwether Group																		
Micro Enterprise Services of Oregon																		
Northwest Industrial Business Association																		
Oregon Angel Fund																		
Oregon Association of Minority Entrepreneurs (OAME)																		
Oregon BEST																		
Oregon Business Development Department																		
Oregon Entrepreneurs Network																		
Oregon Manufacturing Extension Partnership (OMEP)																		
Pacific Northwest Defense Coalition																		
pdxMindShare																		
PIE (Portland Incubator Experiment)																		

Service Provider Overview

	SERVICES PROVIDED						SUBSECTORS SERVED											
	Business Operations	Access to Capital	Product Development	Real Estate	Workforce Development	Community Building	All Subsectors	Apparel, Textiles, & Leather	Ceramics	Chemical & Material Manufacturing	Computer & Electronics Product Manufacturing	Electrical Equipment, Appliance, & Component Manufacturing	Food & Beverage	Jewelry & Accessories	Medical Product Manufacturing	Metalwork, Machining & Fabrication	Printing & Related Support Activities	Wood Product Manufacturing
Placemaker																		
Port of Portland																		
Portland Apparel Lab																		
Portland Community College Small Business Development Center																		
Portland Made																		
Portland Paleo																		
Portland Public Schools																		
Portland Seed Fund																		
Portland State Business Accelerator																		
Prosper Portland																		
SCORE																		
SE Works																		
Small Business Legal Clinic																		
StrategicVisions																		
U.S. Commercial Service-Oregon, U.S. Department of Commerce/International Trade Administration																		
Venture Portland																		
Working Waterfront Coalition																		
WorkSource Oregon																		
Worksystems																		

Business Operations



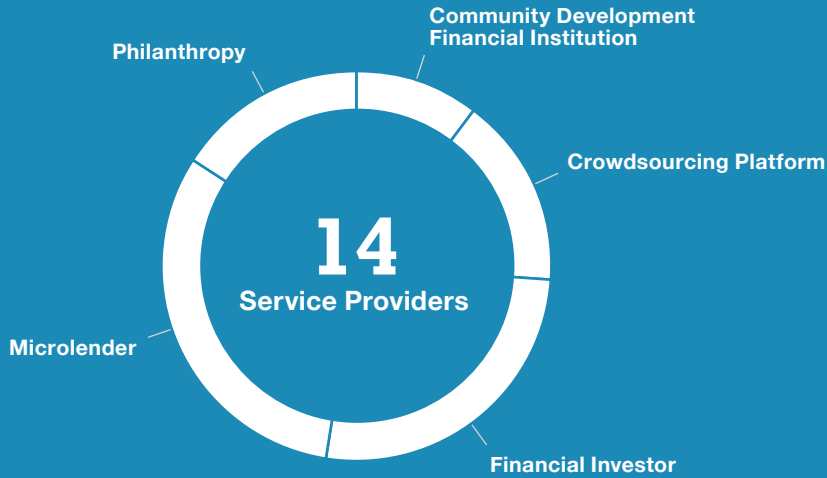
	Accounting	Business Planning	Distribution / Logistics	Information Technology (IT)	Legal	Marketing / Sales	Retail Placement	Sourcing / Supply Chain	Wholesale Support
ADX		✓				✓			
Ascent Funding		✓							
Columbia Corridor Association								✓	
Crowd Supply		✓	✓			✓	✓	✓	✓
Ecoservice			✓						
Entrepreneurs' Organization - Portland Chapter		✓							
Global Homestead Community Garage		✓				✓	✓		
Government Contract Assistance Program - Organization for Economic Initiatives		✓				✓			
Hatch Innovation		✓				✓			
MadeHere PDX			✓			✓	✓		✓
Mercy Corps		✓							
Meriwether Group		✓							
Micro Enterprise Services of Oregon		✓				✓			
Oregon Association of Minority Entrepreneurs (OAME)		✓							
Oregon BEST		✓							
Oregon Entrepreneurs Network		✓							
Oregon Manufacturing Extension Partnership (OMEP)		✓	✓			✓		✓	✓

Business Operations

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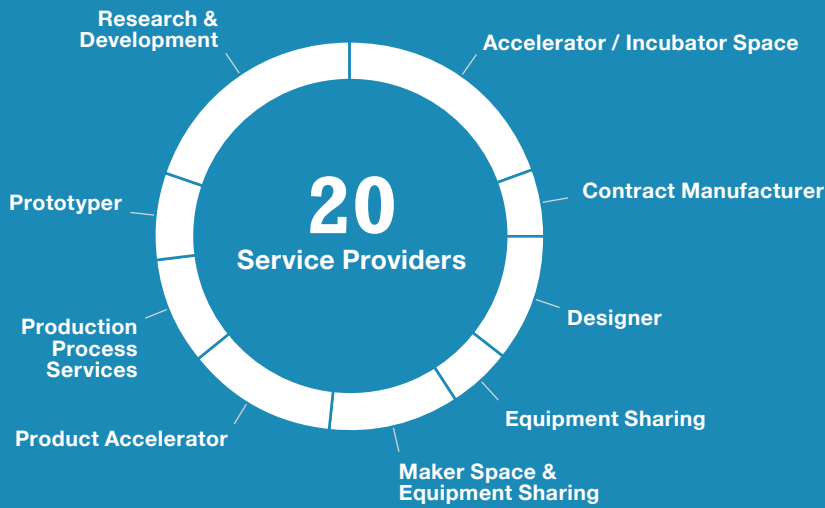
	Accounting	Business Planning	Distribution / Logistics	Information Technology (IT)	Legal	Marketing / Sales	Retail Placement	Sourcing / Supply Chain	Wholesale Support
Pacific Northwest Defense Coalition		✓				✓		✓	
pdxMindShare						✓			
Placemaker						✓			
Port of Portland		✓	✓			✓			
Portland Community College Small Business Development Center		✓							
Portland Made		✓				✓			✓
Portland Paleo						✓			
Portland State Business Accelerator		✓							
SCORE		✓							
Small Business Legal Clinic					✓				
StrategicVisions		✓				✓			
U.S. Commercial Service-Oregon, U.S. Department of Commerce/International Trade Administration		✓	✓			✓		✓	
Venture Portland						✓			

Access to Capital



	Community Development Financial Institution	Crowdsourcing Platform	Financial Investor	Microlender	Philanthropy
Ascent Funding				✓	
Columbia Corridor Association					✓
Craft3	✓		✓	✓	
Crowd Supply		✓			
Global Homestead Community Garage		✓		✓	
Hatch Innovation		✓			
MadeHere PDX					✓
Mercy Corps				✓	
Meriwether Group			✓	✓	
Micro Enterprise Services of Oregon	✓			✓	
Oregon Angel Fund			✓		
Oregon Association of Minority Entrepreneurs (OAME)				✓	
Oregon Business Development Department			✓		
Portland Seed Fund			✓		

Product Development



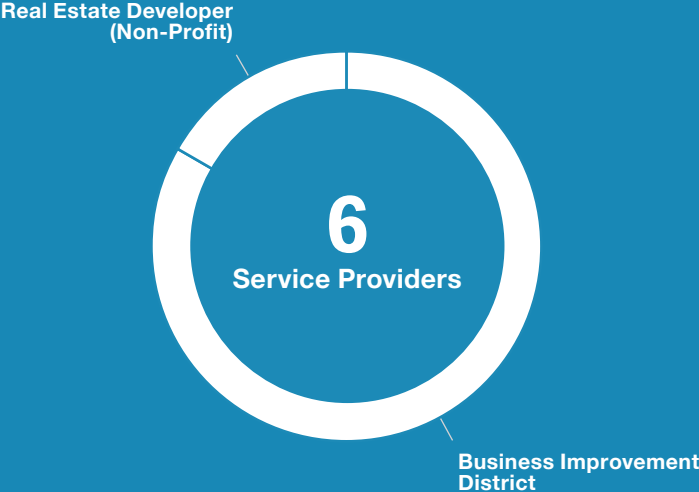
	Accelerator & Incubator Spaces	Contract Manufacturer	Designer	Maker Space & Equipment Sharing	Product Accelerator	Production Process Services	Prototyper	Research & Development
ADX	✓	✓	✓	✓	✓	✓	✓	✓
Built Oregon	✓				✓			
Columbia Corridor Association								✓
Design Museum Portland			✓					
Global Homestead Community Garage	✓	✓	✓	✓	✓		✓	✓
Hatch Innovation	✓							
Madden Fabrication		✓	✓	✓			✓	✓
MadeHere PDX	✓			✓				
Meriwether Group	✓				✓			
Oregon Association of Minority Entrepreneurs (OAME)	✓							
Oregon BEST	✓							✓
Oregon Manufacturing Extension Partnership (OMEP)						✓		✓
PIE (Portland Incubator Experiment)	✓				✓			
Placemaker								✓
Port of Portland								✓
Portland Apparel Lab	✓		✓	✓	✓	✓	✓	✓
Portland State Business Accelerator	✓			✓				✓

Product Development

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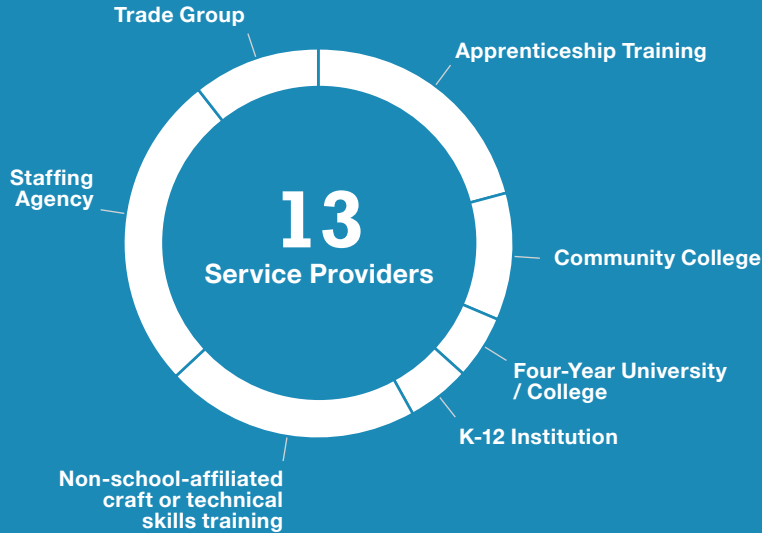
	Accelerator & Incubator Spaces	Contract Manufacturer	Designer	Maker Space & Equipment Sharing	Product Accelerator	Production Process Services	Prototyper	Research & Development
SCORE						↙		
StrategicVisions					↙	↙		↙
Venture Portland			↙					

Real Estate



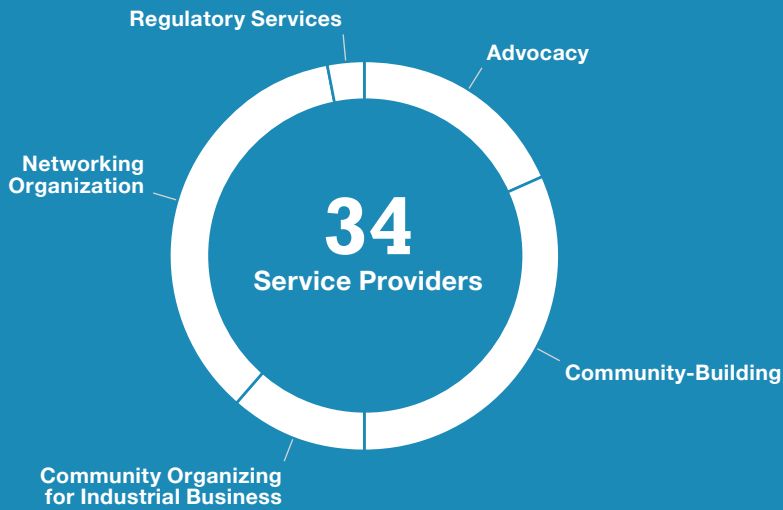
	Business Improvement District	Real Estate Agent	Real Estate Developer (For-Profit)	Real Estate Developer (Non-Profit)
Global Homestead Community Garage	✓			
Micro Enterprise Services of Oregon	✓			
Northwest Industrial Business Association	✓			
Port of Portland				✓
StrategicVisions	✓			
Venture Portland	✓			

Workforce Development



	Apprenticeship Organization	Community College	Four-Year University/College	K-12 Institutions	Labor Union	Non-School-Affiliated Training	Staffing Agency	Technical College	Trade Group
ADX						✓			
Global Homestead Community Garage	✓					✓	✓		
Madden Fabrication	✓						✓		
Madden Industrial Craftsmen	✓						✓		
Oregon Entrepreneurs Network						✓			
Oregon Manufacturing Extension Partnership (OMEP)						✓			
Pacific Northwest Defense Coalition									✓
pdxMindShare							✓		
Port of Portland									✓
Portland Community College Small Business Development Center		✓							
Portland Public Schools				✓					
Portland State Business Accelerator		✓	✓						
WorkSource Oregon	✓						✓		

Community Building/ Ombudsman Services



	Advocacy Organization	Community Building	Community Organizing for Industrial Business	Networking Organization	Regulatory Services
ADX		✓			
Built Oregon		✓		✓	
Central Eastside Industrial Council	✓	✓	✓	✓	
Columbia Corridor Association	✓	✓		✓	✓
Design Museum Portland		✓		✓	
Entrepreneurs' Organization - Portland Chapter	✓			✓	
Global Homestead Community Garage		✓	✓	✓	
Hatch Innovation		✓			
MadeHere PDX		✓		✓	
Mercy Corps		✓			
Micro Enterprise Services of Oregon				✓	
Northwest Industrial Business Association	✓	✓	✓	✓	
Oregon Association of Minority Entrepreneurs (OAME)				✓	
Oregon BEST				✓	
Oregon Business Development Department	✓			✓	
Oregon Entrepreneurs Network		✓		✓	
Oregon Manufacturing Extension Partnership (OMEP)	✓			✓	
Pacific Northwest Defense Coalition	✓			✓	
pdxMindShare	✓	✓		✓	
PIE (Portland Incubator Experiment)	✓	✓		✓	
Placemaker		✓		✓	
Port of Portland				✓	

Community Building/ Ombudsman Services

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	Advocacy Organization	Community Building	Community Organizing for Industrial Business	Networking Organization	Regulatory Services
Portland Community College Small Business Development Center		✓			✓
Portland Made	✓			✓	
Portland State Business Accelerator		✓	✓	✓	
Prosper Portland			✓	✓	
SE Works		✓			
StrategicVisions				✓	
U.S. Commercial Service-Oregon, U.S. Department of Commerce/International Trade Administration	✓				
Venture Portland	✓	✓	✓	✓	
Working Waterfront Coalition	✓	✓	✓		
WorkSource Oregon		✓			
Worksystems		✓	✓		

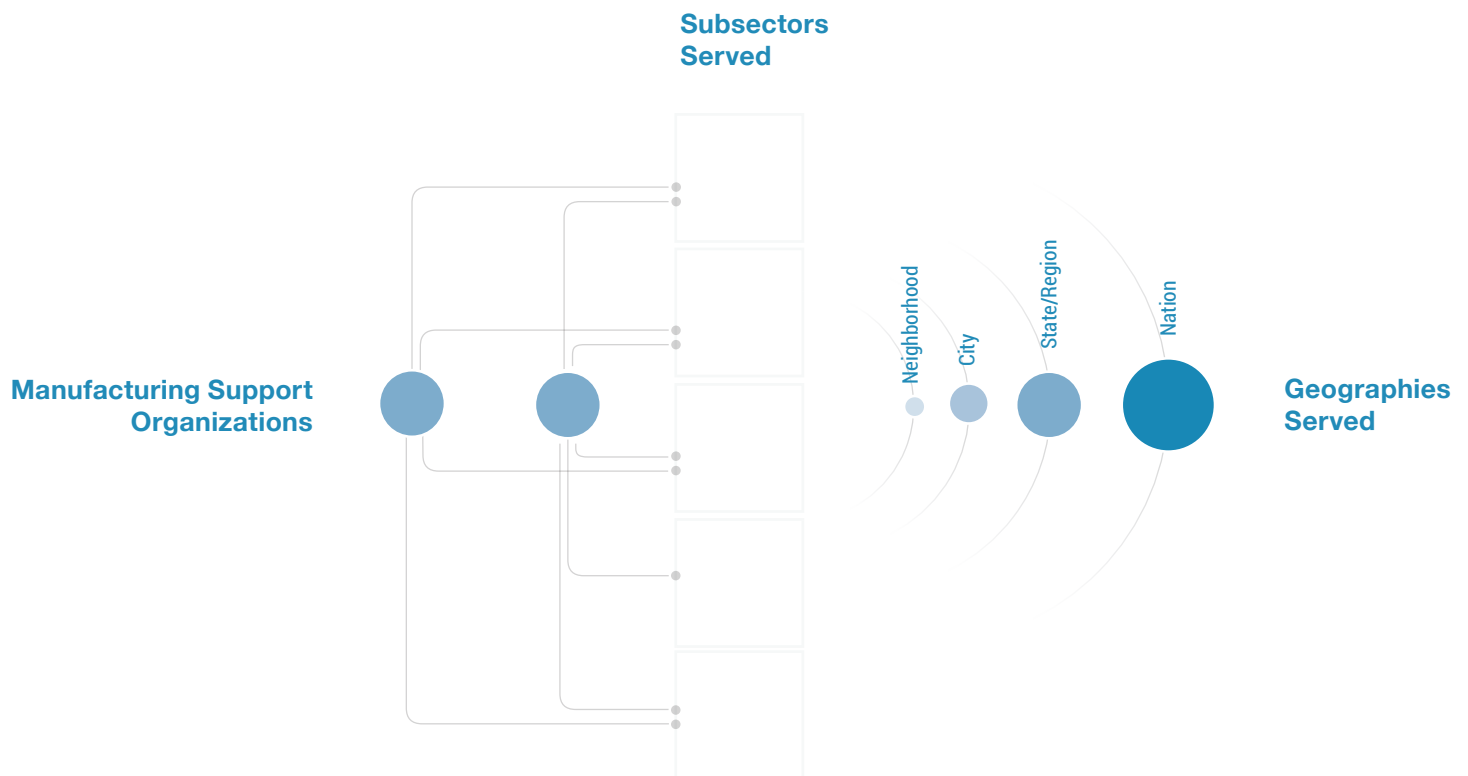
Manufacturing Subsectors Served



NOTE

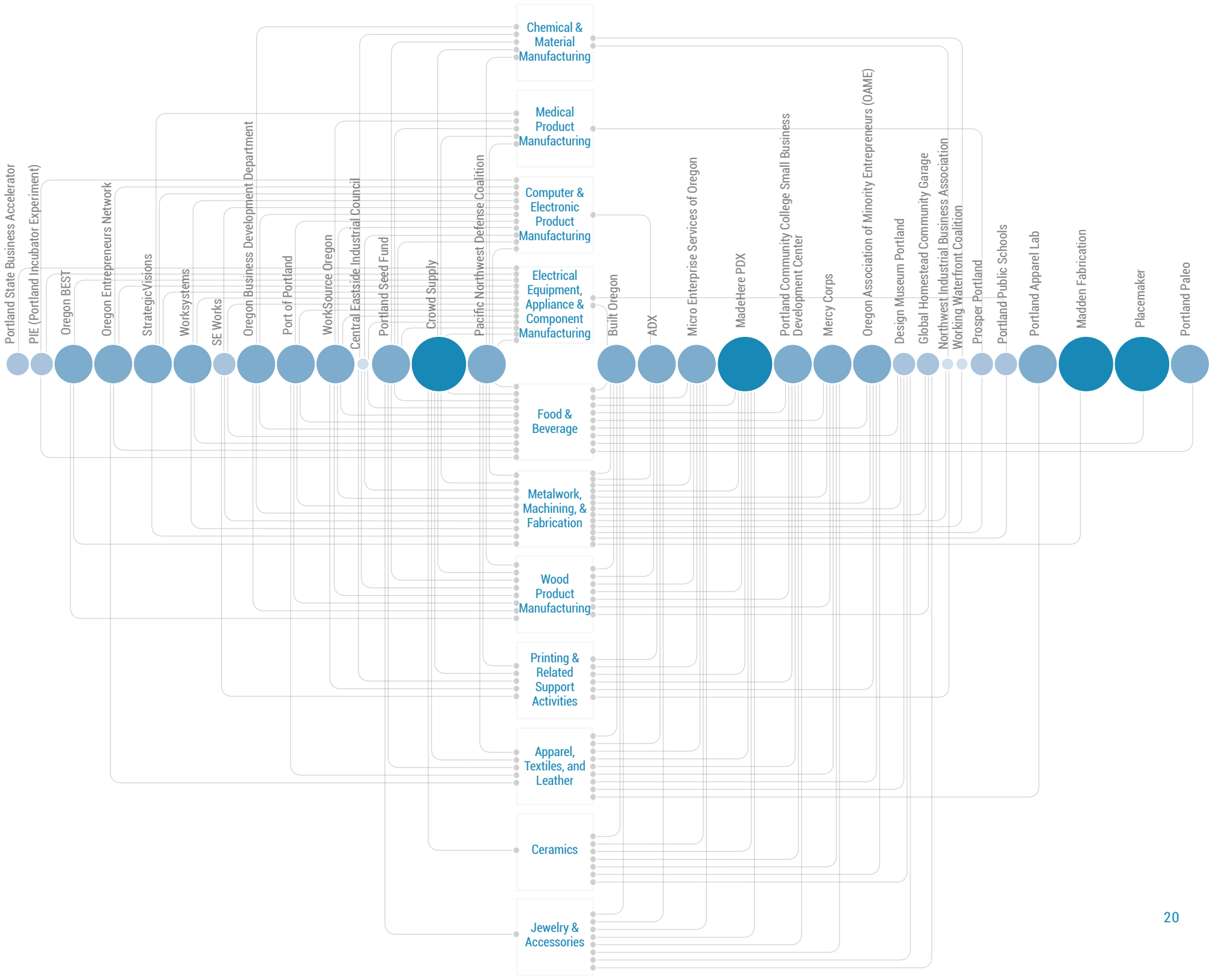
Service providers were able to select more than one subsector.

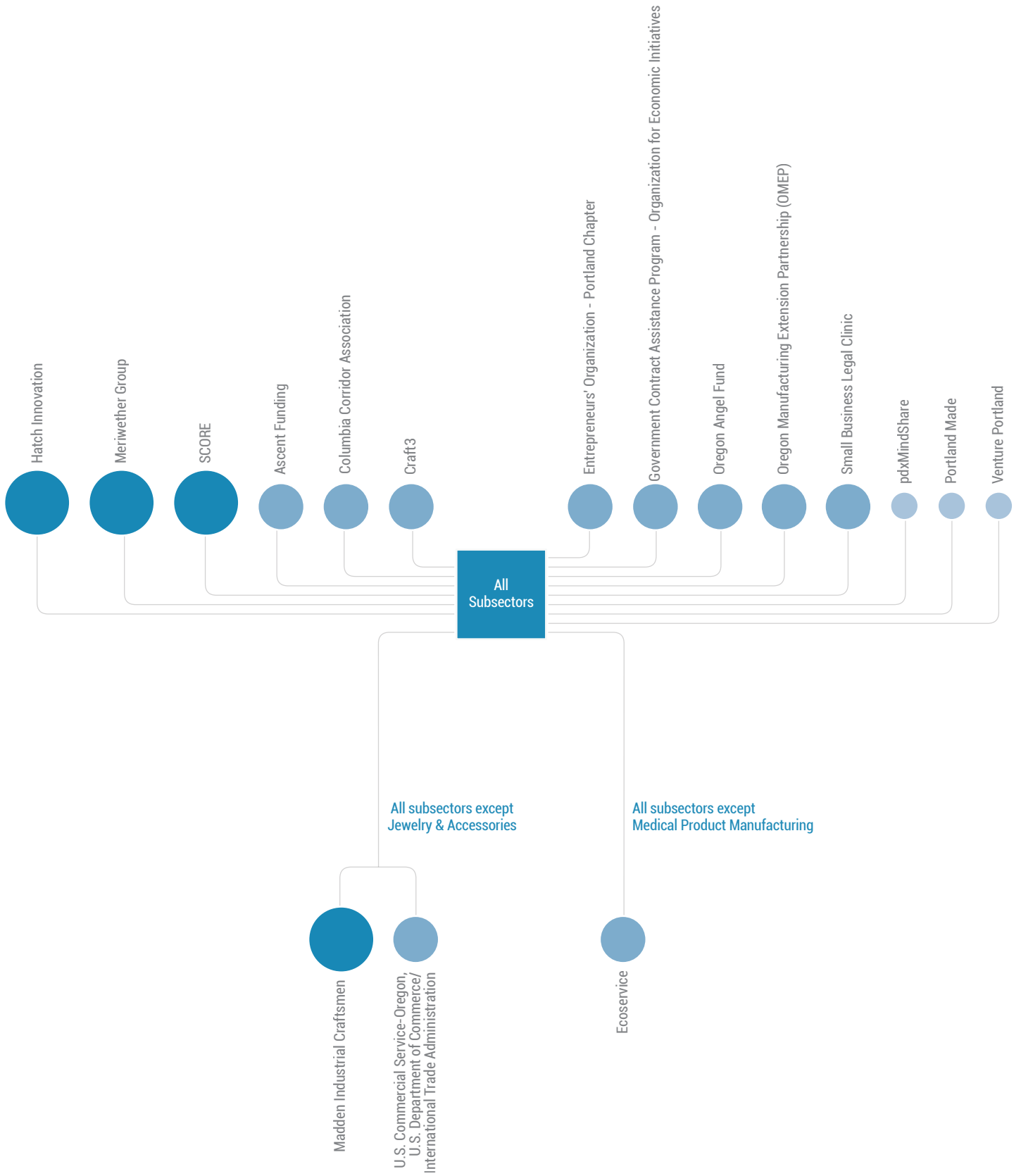
Subsectors and Geographies Served

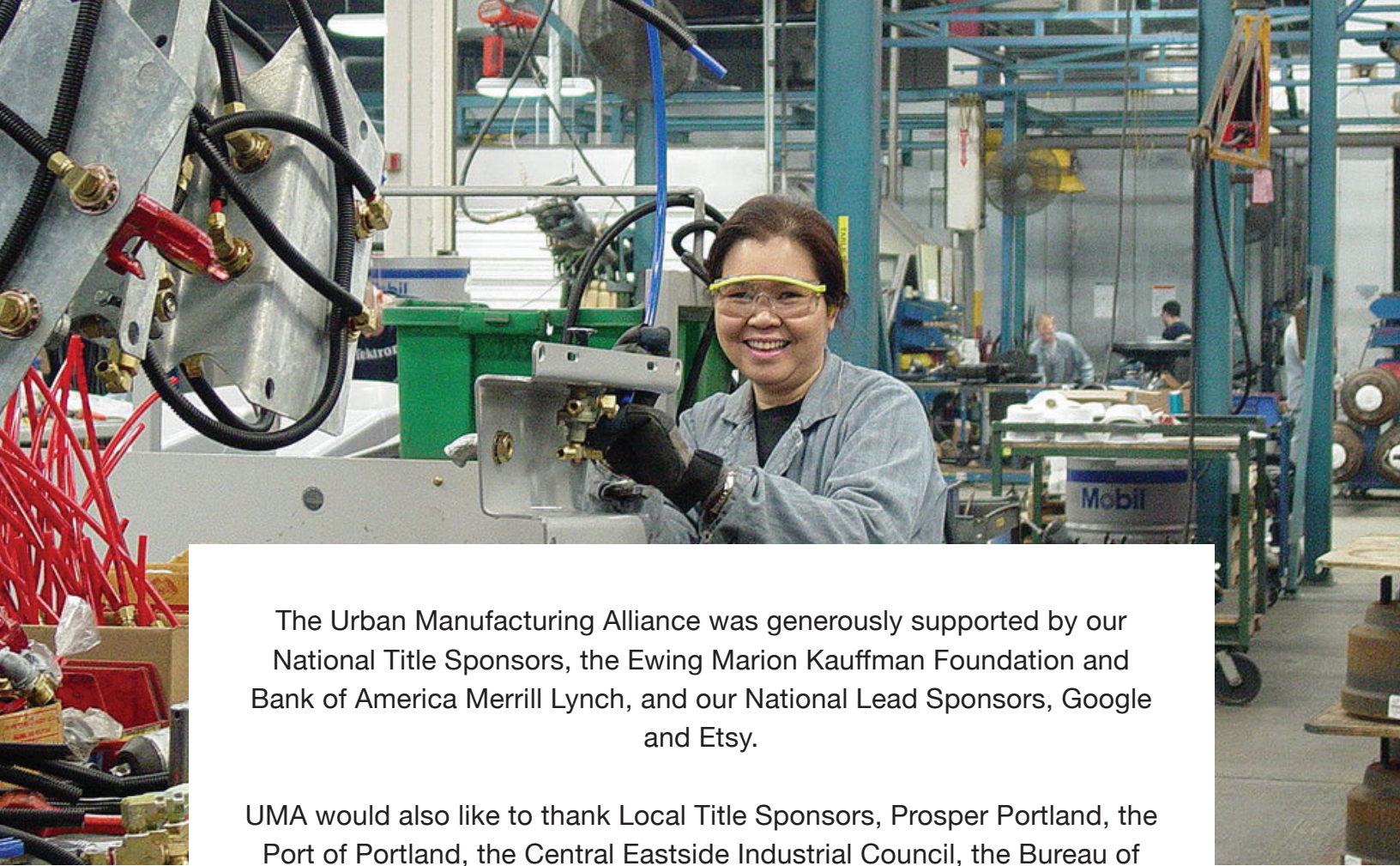


KEY

The above key is for the visualization on the following page.







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