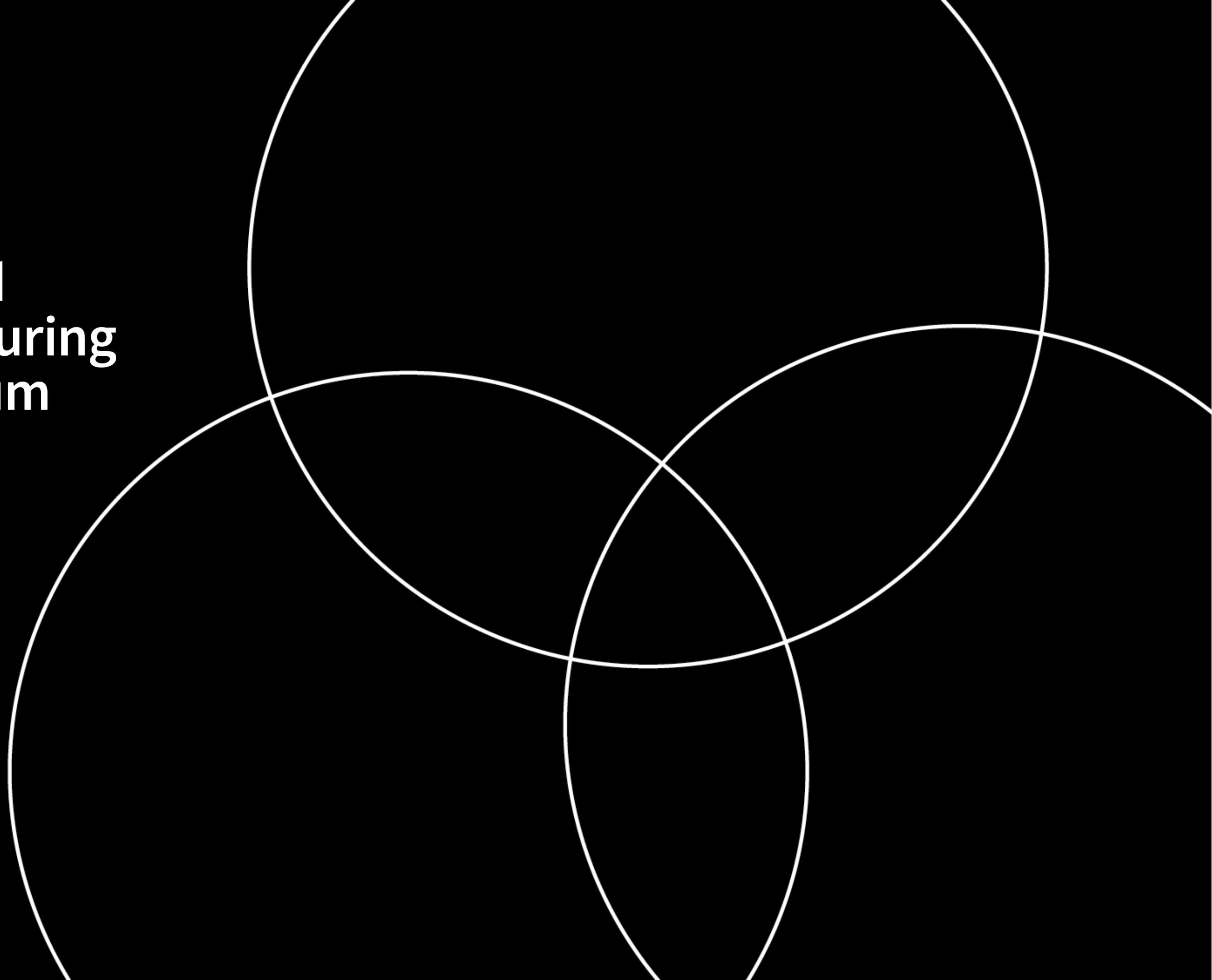




ONTARIO **Advanced
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Consortium**





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Welcome to the AMC Industry Day

Michael Worswick

Executive Director, Waterloo Node - AMC

November 27, 2019

Land Acknowledgement



We acknowledge that the University of Waterloo is located on the traditional territory of the Neutral, Anishinaabeg and Haudenosaunee people. The University of Waterloo is situated on the Haldimand Tract, the land promised to the Six Nations that includes ten kilometers on each side of the Grand River.

What is AMC



Kick-started in 2017, AMC is a provincially funded partnership between McMaster University, the University of Waterloo and Western University (\$35M over 5 years).

AMC's goal is to facilitate industry access to world-class research that will accelerate adoption of advanced technologies and drive economic growth.

AMC supports industry focused R&D in:

- Industry 4.0
- High-performance manufacturing
- Additive manufacturing
- Automotive light-weighting
- Composite materials
- Internet of Things (IoT)
- Robotics and automation
- 5G Communications
- Health & biomedical devices
- Durability and impact mechanics

AMC Nodes



- McMaster Manufacturing Research Institute (MMRI)
- Machining Systems Laboratory (MSL)
- Material Property Assessment Laboratory (MPAL)

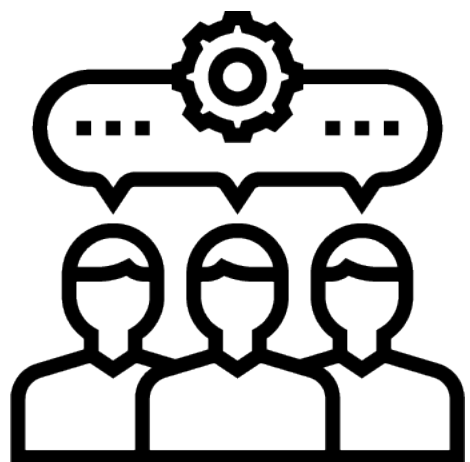


- Centre for Intelligent Antenna and Radio Systems (CIARS)
- Multi-Scale Additive Manufacturing (MSAM)
- RoboHub
- WatCAR Manufacturing



- Fraunhofer Project Centre for Composites Research (FPC)
- Surface Science Western (SSW)
- Additive Manufacturing Western (AMW)

Who is AMC



65+ Principal investigators

350+ Highly qualified people (HQPs)

- Full-time-research associates
- Post-doctoral fellows
- Graduate Students
- Technical & support staff
- Co-ops, visiting scholars, affiliated faculty
- **60 HQPs** hired by industry

35+ Labs, >11,000 m²

State-of-the-art industry project research space

What makes AMC Different?

AMC funded research associates

- Establishing a base of skilled professionals able to respond to industry timelines

World-class facilities for collaborative R&D

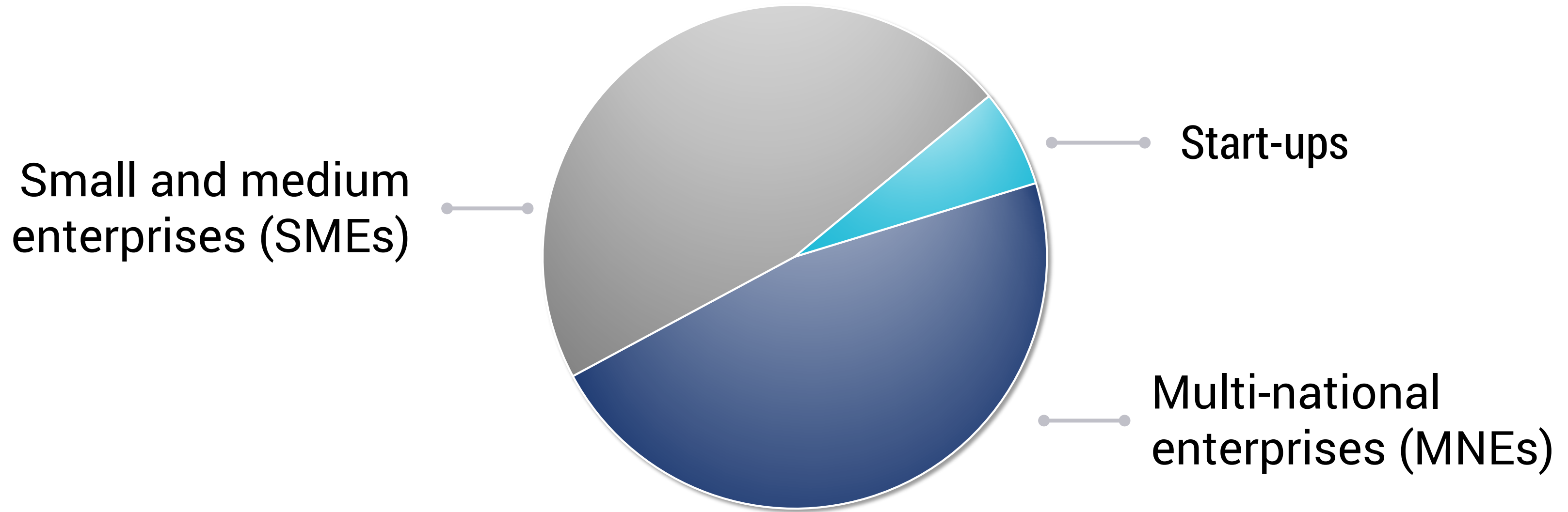
Leverage expertise of university knowledge

Technology transfer

- Training & Industry ready candidates
- Bridging gap from lab to commercialization

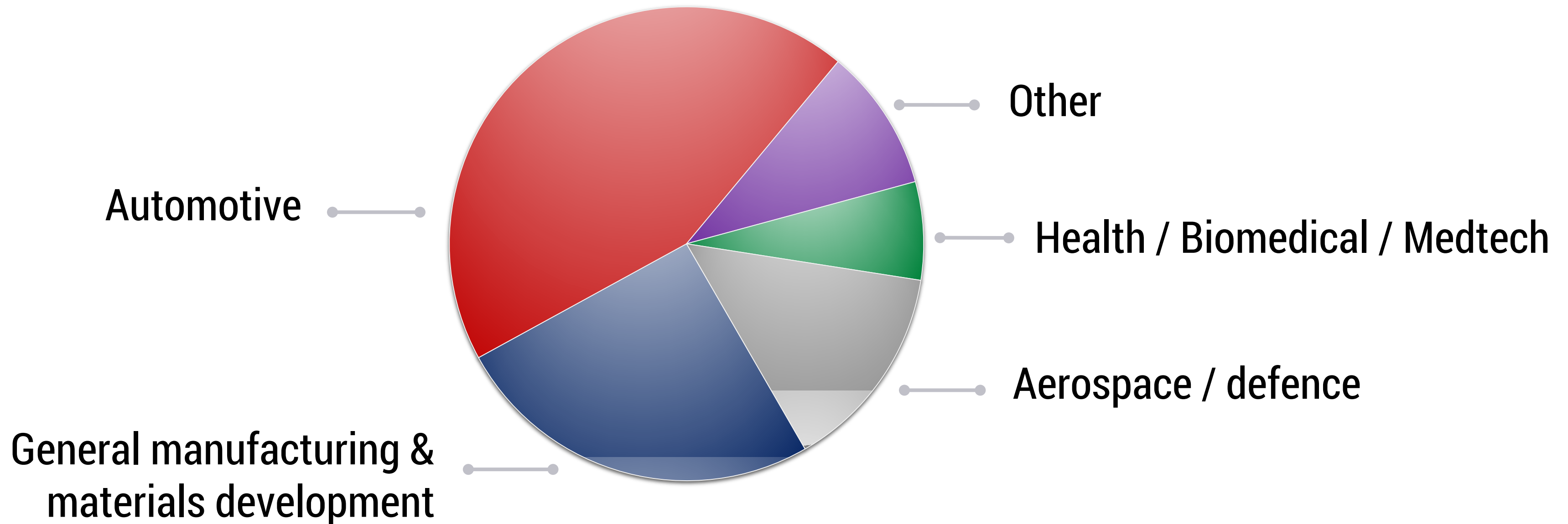
Who we work with

AMC has **over 200** industry collaborators from April 2017 to present...and growing!



Who we work with

There are **>300** projects in progress or completed since April 2017, with **\$46M+** in total project funding and **100+** products, services & processes commercialized by AMC's collaborators. AMC projects span Ontario's manufacturing sectors:



AMC Impact

www.oamc.ca

- Success Stories
- AMC in the News
- People Profiles
- Industry Partner Testimonials



SUCCESS STORIES



October 29, 2019

Bowman Tooling embraces business growth and evolution from Waterloo collaboration



October 8, 2019

Promation and MSAM are advancing innovation in additive manufacturing



August 12, 2019

Huys reduces cost and waste through R&D partnership with Waterloo's CAMJ



April 25, 2019

MSAM partners with Siemens to accelerate industrial additive manufacturing



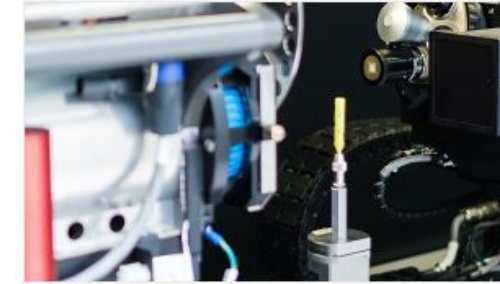
October 2, 2019

MMRI expertise brings innovation and growth to Burlington's vRSC



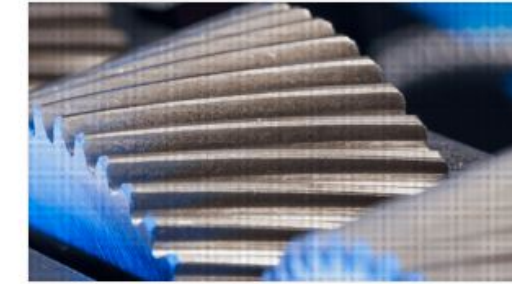
October 2, 2019

McMaster and Biomedical Implant Technology Inc. collaborate on a novel dental implant



February 11, 2019

UWaterloo partnership helps company become experts in a niche market



February 10, 2019

UWaterloo's collaborative research with ODG brings growth and new technology

How to Engage with AMC



Fill in our online form and we will review with our ***no-wrong-door*** approach.



Meet with our research team to define scope, budget and timeline.



Our team makes the funding and contract process as smooth as possible.



Dedicated and knowledgeable staff work with you from kickoff to commercialization.



www.oamc.ca



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