

National Research Council (NRC) Mike Kilfoil, Program Director, Advanced Manufacturing

- A national organization with regional presence and global reach
- 100+ year history of science and innovation for Canada
- Enable partners to accelerate commercial development and advance research that leads to scientific breakthroughs and innovation.

3,979

TOTAL NRC FULL-TIME STAFF

- **2,116** scientists, engineers and technicians
- **259** IRAP ITAs

1,093

R&D CLIENTS



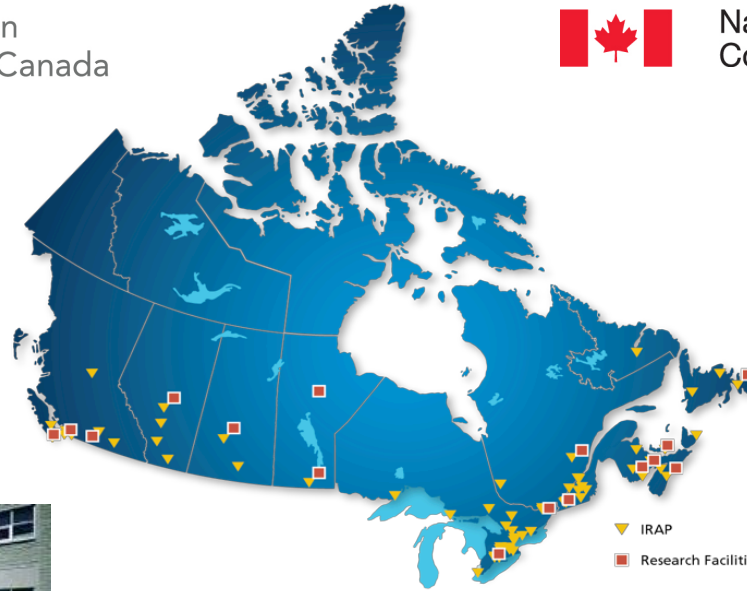
Ottawa, ON

- Machine vision
- Big data analytics
- Artificial Intelligence
- Metrology
- Materials characterization & testing



London, ON

- Manufacturing and Automotive Innovation Hub
- Additive manufacturing
- Process design, modelling, simulation
- Manufacturing systems engineering and integration
- Connected/autonomous vehicles
- Microfabrication and Specialty Coating



▼ IRAP
■ Research Facilities



Montreal, QC

- Aerospace advanced manufacturing solutions centre
- Intelligent machining processes and tooling
- Robotics & automation



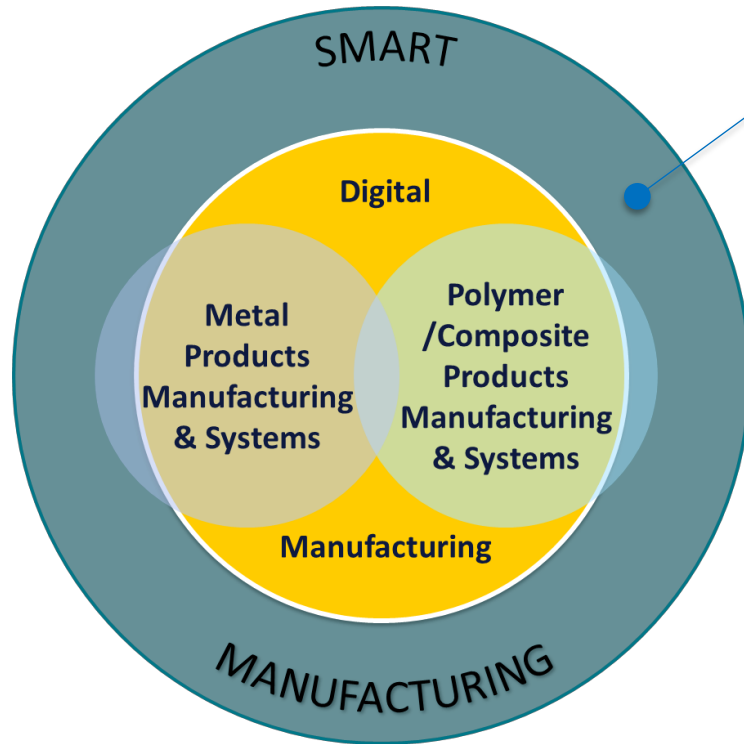
Saguenay, QC

- Lightweighting structural
- Aluminum joining and forming
- Aluminum and multi-materials assembly
- Hybrid manufacturing (extrusions, forgings, castings)



Boucherville, QC

- Modelling & simulation
- Advanced materials
- Low-cost, high-performance composite manufacturing
- Sustainable and eco-friendly polymers and composites
- Cold spray additive manufacturing
- Thermal spray coating
- Powder metallurgy manufacturing



Smart Manufacturing
 Increase digital maturity of signature processes
 using state-of-the-art digital technologies

- We are seeking Canadian manufacturing firms willing to:
 - collaborate
 - embrace the Industry 4.0 philosophy
 - adopt smarter manufacturing practices