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

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

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