

# Canada's Advanced Manufacturing Supercluster



Next Generation  
Manufacturing Canada

**SUPER**  
CLUSTERS



# Canada's Innovation Supercluster Initiative

The Government of Canada is investing \$950 million in five industry-led Superclusters with the greatest potential to energize long-term economic growth.

**First** initiative of its kind in Canada.

**Connecting** established businesses and start-ups, education and research institutions, and government partners.

**Fostering** new forms of collaboration to supercharge innovation and economic growth.

Canada's Innovation Superclusters



# Canada's Advanced Manufacturing Supercluster

**Canada's Advanced Manufacturing Supercluster leverages Canada's technology and industrial strengths to accelerate the development, adoption, and scale-up of advanced technologies in Canadian manufacturing ... for commercialization in global markets.**

**Led** by Next Generation Manufacturing Canada (NGen) – an industry-led not-for-profit organization dedicated to positioning Canada as a world leader in advanced manufacturing.

**Leveraging** \$230 million in funding from the Canadian Government and over \$500 million in private-sector funding to:

- Build connections and strengthen collaboration in the field of advanced manufacturing.
- Invest in collaborative, industry-led projects that will lead to the development, adoption, and scale-up of transformative technologies in Canadian manufacturing and strengthen Canada's innovation infrastructure for advanced manufacturing.
- Support initiatives that will help de-risk technology adoption and scale-up for smaller firms (including education and training, technology demonstrations, new tools and testbeds).

# The Opportunity for Canada

## Technology Strengths

- Engineering
- Software
- Artificial Intelligence
- Data Science & Computing
- Microelectronics
- Materials
- Robotics
- Photonics
- IOT
- Batteries & Energy

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## Manufacturing Capabilities

- Automotive
- Aerospace
- Steel
- Metal & Plastic Products
- Machinery & Equipment
- Food Processing
- Textiles
- Medical Products
- Wood Products
- Electronics

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## Commercial & Economic Benefits

- New Products & Services
- Improved Productivity
- Accelerated Business Growth
- New Supply Chain & Export Opportunities
- Increased Investment
- Talent Development & Attraction
- Stronger GDP Growth
- Enhanced Job Growth

# Supercluster Projects

Project funding will focus on four streams of work:

- **High Potential Technology Development:** Developing and scaling technology solutions that will give Canadian manufacturers a distinct competitive advantage.
- **Technology Adoption:** Game-changing technologies applied in transforming existing manufacturing processes.
- **Technology Diffusion:** Developing new manufacturing capabilities based on the application of advanced technologies.
- **Ecosystem Development:** Development of new training programs, tools, testbeds that fill in gaps in Canada's infrastructure in support of advanced manufacturing.

# Strategic Evaluation Criteria

## ***Transformative***

- Positioning Canada as a global leader in advanced manufacturing.

## ***Applied***

- Involving later stage technology and manufacturing readiness with a potential to generate significant commercial benefits.

## ***Collaborative***

- Involving the participation of industry partners, co-investors, academic and research institutions.

## ***Enduring***

- Leaving a legacy in skills development, tools, testbeds, IP, business knowledge for Canada's advanced manufacturing ecosystem.

# Opportunities for Member Participation

**Membership in the Advanced Manufacturing Supercluster is open to any company or organization in Canada or internationally that can contribute to Canada's advanced manufacturing ecosystem.**

**Register** as a NGen member

**Connect** with other NGen members (companies, organizations, clusters)

**Propose** a NGen project (open call for proposals)

**Partner and co-invest** in a NGen project

**Partner** with Canadian companies/organizations in other innovation projects

**Invest** in and benefit from the development of Canada's advanced manufacturing ecosystem and skilled workforce

**Leverage** Supercluster participation to access new partners, customers, markets, and supply chains.



# NGen

NGen

Next Generation  
Manufacturing Canada

[www.NGen.ca](http://www.NGen.ca)