

Advanced Manufacturing

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Research Findings: Canada's Digital Opportunity

- Significant opportunities SME ITC firms located in proximity to Canada's existing manufacturing clusters.
- Few of the manufacturing supply chain firms have the technical capacities to effectively implement the new technologies and optimally collaborate with their ITC partners.

Policy Implications of Research Findings

- With respect to 3D printing the opportunity is broad but not deep.
- It is in the supporting technologies that most of the digitization impact is likely to happen in the near term.
- Talent: Improving the Cognitive Capacities of SME Firms.

Policy Perspective

- Can a 'loosely coupled' innovation system get us to the industrial digital economy in time?
- What additional De-Risking Mechanisms can assist SMEs? ReMAP IP Model in Advanced Manufacturing Supercluster?
- A global competitive advantage by linking resource base to manufacturing base. However, the linkages between digitization of ore bodies, metallurgy, structural metallurgy to design and manufacturing have yet to be made.