

Roadmap to Transform the Canadian Construction Industry

through Industrialized Construction, Research and Innovation

Developed through international review, sector experience, lessons learned and industry workshops, interviews and surveys to guide research, policy and investment toward accelerating Industrialized Construction (IC) adoption across Canada

Drivers for Change



Housing Shortages

4.4M homes needed



Low Productivity

Stagnant growth over decades



Aging Workforce

21% over 55 years old

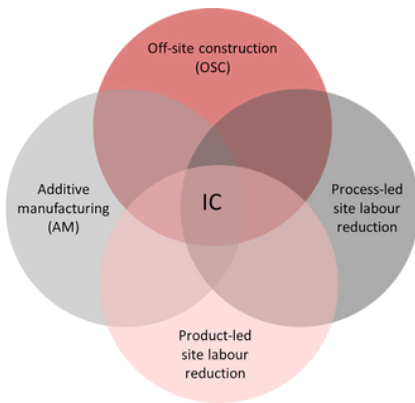


Sustainability

40% reduction by 2030

IC Methodologies

The growth of industrialized construction in Canada **depends on adopting a common framework that standardizes language, categories, and definitions across the sector.**



Barriers to IC Adoption



Roadmap Focus Areas

PR

Policy & Regulatory Frameworks

- Streamline approvals
- Align codes

PM

Procurement Models & Performance Systems

- Modernize contracts
- Incentivize industrialized construction

FI

Financial & Insurance Services

- Establish financing options
- De-risk projects

AC

Awareness, Competency and Collaboration

- Build knowledge
- Drive partnerships

CC

Quantifying Capacity and Capability for OSC

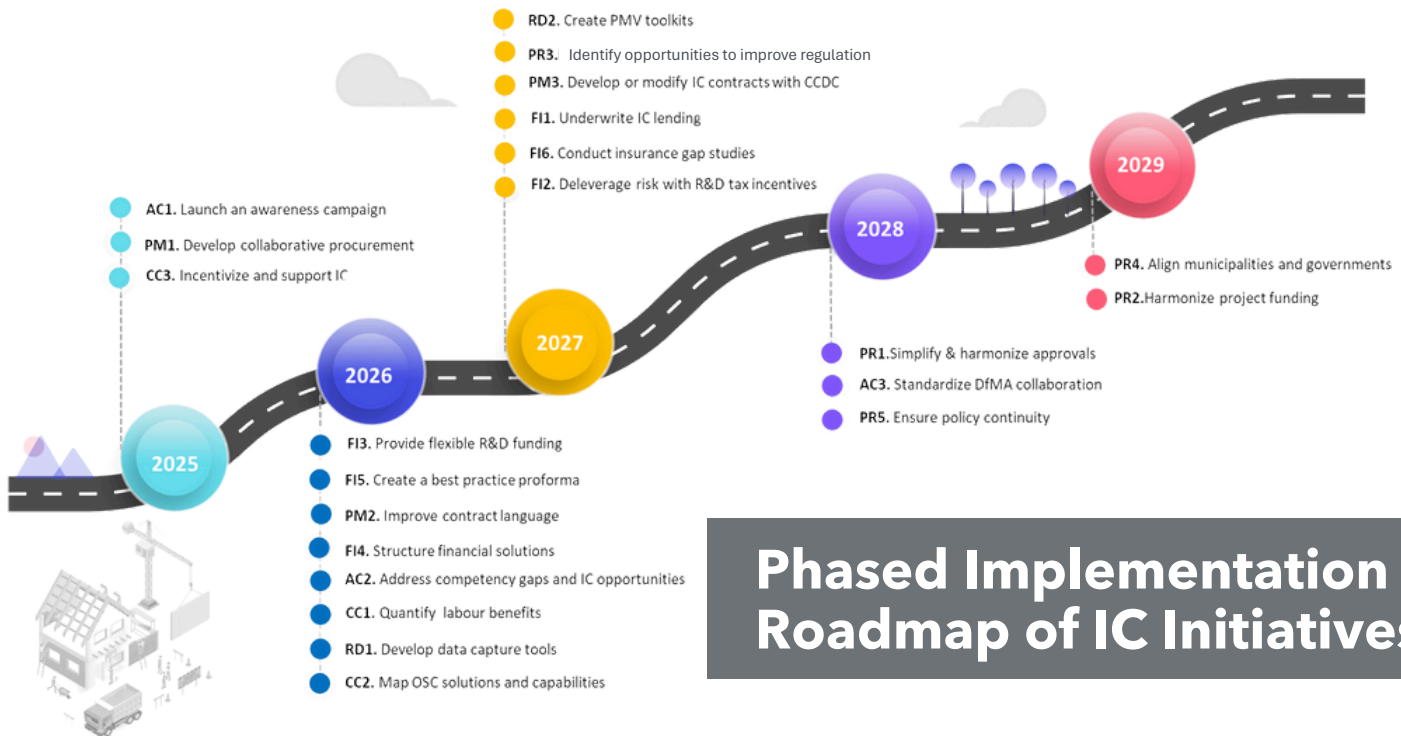
- Map supply chain
- Assess readiness

RD

Research and Data Sharing

- Capture data
- Measure impact

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Phased Implementation Roadmap of IC Initiatives

Proposed Hub-and-Spoke Model for IC R&D

HUB: NRC Centre of Excellence (CoE)

- Lead national R&D initiatives
- Broker innovation across industry, government, and academia

SPOKES: Regional Hubs Across Canada

- Lead local and regional initiatives
- Collaborate nationally through CoE

Connecting regions to amplify innovation and drive greater impact through a unified, national IC research ecosystem

