

Kingston & Eastern Ontario Regional Technology Development Site

Accelerating Chemistry, Materials & Advanced Manufacturing Innovation

Fuse is the Kingston and Eastern Ontario Regional Technology Development Site (RTDS), delivered by Kingston Economic Development Corporation with support from the Ontario Vehicle Innovation Network (OVIN). It is the first chemistry-focused RTDS in Ontario, designed to accelerate innovation in advanced materials, clean technologies, and next-generation mobility solutions.

Fuse bridges the critical gap between laboratory research and industrial-scale commercialization by enabling SMEs to develop, test, validate, and scale emerging technologies.



What We Offer

Built on five key pillars, the RTDS will support Ontario SMEs through:

Technology Development & Validation Fund (TDVF)

Funding to offset up to 50% of eligible costs to a maximum of \$100,000 for eligible projects to access specialized chemistry labs, materials development services, technical and commercialization expertise offered by Fuse technical partners.

Access to Physical Infrastructure & Innovation Hub

Access to advanced lab and innovation space in Kingston, including specialized chemistry and materials facilities and pilot-scale testing environments.

Pathway to Commercialization Support

End-to-end support for process development, materials testing, pilot-scale trials, and techno-economic and feasibility analysis to accelerate commercialization readiness.

Business Advisory & Mentorship

Support for R&D-to-market pathways through commercialization planning, industry mentorship, strategic advisory, and partner matching.

Innovation & Ecosystem Summits

Opportunities to connect with industry, academia, and government through innovation events, summits.



Who We Support

Fuse supports Ontario-based SMEs developing innovations in chemistry, advanced materials, clean technology, serving the mobility and automotive sectors. It provides SMEs with advisory services, mentorship, technical validation, scale-up support, and access to specialized infrastructure.

TDVF Eligibility Criteria

- ① The applicant must be Small or Medium-sized Enterprise (SME) operating in Ontario.
- ① The applicant should have no more than 500 employees.
- ① The proposed project must focus on chemistry-based innovations supporting automotive and mobility sectors.
- ① Project activities include any of technology-economical assessment, technology development, validation.
- ① The project should be aimed to advance technologies toward commercialization (Technology Readiness Levels 3–9).
- ① Eligible Ontario SMEs are required to contribute a minimum of 50% matching cash contribution toward the project.

Program Structure

Fuse is a three-year initiative with a rolling, application-based intake process for the TDVF offering. All other program offerings are available to SMEs without an application.

How TDVF works

- ① Submit an Expression of Interest (EOI) form.
- ① Technical partner (selected in the EOI) will scope and quote the project.
- ① Full application submission.
- ① Applications are reviewed by an independent committee.
- ① Successful applicants are informed, and the project commences with the technology development partner.

Technical Partners

Fuse connects companies with leading technology development and commercialization partners:

Kingston Process Metallurgy (KPM)

Process development, modeling, techno-economic analysis, and materials testing.

Kingston Metals and Materials (KM&M)

Aluminum alloys, casting, metallurgy, and materials development.

Impact Chemistry

High-purity chemical synthesis, battery materials, polymers, and advanced chemical R&D.

RXN HUB

Scale-up support, commercialization of roadmaps, pilot project development, and infrastructure planning.

Delivered By

Kingston Economic Development Corporation, supported by the Ontario Vehicle Innovation Network (OVIN), in partnership with partners across industry, academia, and the government.

For more information and guidelines, please visit Fuse Program page or contact fuse@investkingston.ca for any questions.