

# Technology Development & Validation Fund (TDVF)



**KINGSTON**  
— Economic Development —

## Objective

Fuse is the Kingston and Eastern Ontario Regional Technology Development Site (RTDS). Supported by the Ontario Vehicle Innovation Network (OVIN), Fuse is the first chemtech-focused RTDS, powering the development of chemistry technology and advanced materials for the automotive and smart mobility sectors.

Fuse supports the development, validation, and commercialization of chemical-based technologies and innovations by providing them with access to specialized infrastructure, technical expertise, and industry partnerships.

“Chemistry-based technology and innovation” refers to technologies, products, processes, or manufacturing solutions where chemistry, chemical engineering, materials science, or molecular-level innovation forms a core component of the development or value proposition. Eligible projects may include, but are not limited to, innovations related to advanced materials, metals, polymers, coatings, composites, clean chemistry, battery and energy materials, chemical processing, recycling technologies, sustainable manufacturing, and related chem-tech applications.

Under this initiative Kingston Economic Development offers Ontario small and medium-sized enterprises (SMEs) that are serving the automotive and mobility sector:

- Technology Development & Validation Fund (TDVF)
- Access to physical infrastructure and innovation hub
- Pathway to commercialization support
- Business advisory & mentorship
- Access to Innovation & Ecosystem Summits

At the core of this initiative is the TDVF designed to fund and support SMEs as they scale innovative solutions. Through Fuse, companies gain access to specialized facilities, technical expertise, and validation services from Fuse technical partners including Kingston Process Metallurgy, Kingston Metals & Materials, Impact Chemistry and RXN HUB. The funding will enable SMEs to pilot, validate, and bring advanced materials, clean technologies, and manufacturing innovations to market.

## Applicant Eligibility

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

## Grant Funding

The funding offered by Fuse will provide cost offset under the Technology Development and Validation Fund (TDVF) to access services offered by the Fuse collaborators. Funding will provide the collaborator up to 50% to a maximum of \$100,000 based on actual, eligible costs incurred for approved projects.

## Timeframe of the Project

- Projects will be reviewed on a rolling basis.
- Project must be completed by March 31st, 2029.
- Final Report must be submitted no later than two months after the completion of the project.

## Eligible Expenses

Technical partner contract fees as per the TDVF scope of work and quote provided. The collaborator will ensure project scope and quote aligns with OVIN's eligibility requirements.

## General Terms of Funding Program

- Project must be completed by March 31st, 2029.
- The applicant is required to contribute at least 50% of matching funds.

## Application & Approval Process

- Applicants will apply through Kingston Economic Development Corporation

- Applicants are required to apply and fill out the Expression of Interest form and select a TDVF technical partner based on the project.
- The applicant will work with the technical partner to scope and quote the project.
- Once the applicant has received the project quote, the applicants are required to fill out the Full application form.
- Completed applications will be reviewed on a rolling basis by the review committee.
- Applicants will be notified of the application's decision.
- Applicants will be required to submit a final report.

## Reporting Requirements

- The successful applicants will be required to fill out the OVIN-DISP registration form to proceed with the payment (fundings) for the project.
- The successful applicants will be required to submit the following OVIN annual surveys:
  - Economical survey
  - Technical survey

## Contact Information

Kingston Economic  
Development Corporation

366 King St E  
Suite 420  
Kingston ON K7K 6Y3  
[www.investkingston.ca](http://www.investkingston.ca)

**Kena Dave**  
Project Coordinator

dave@investkingston.ca  
613-328-5613