



vte

Vallée de
la Transition
Énergétique^{MC}



Energy Transition Zone

Our mission

Bring together key players in energy transition around three attractive, sustainable hubs, to offer a complete ecosystem for innovation in our strategic sectors.

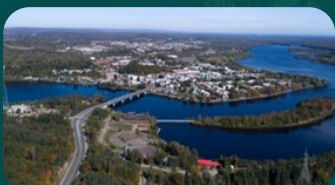
Our mandate

- Foster collaboration between industry, research, academic and funding stakeholders
- Promote networking between investors and industrial players
- Attract foreign direct investments
- Develop infrastructures dedicated to start-ups and industry research
- Promote the development of a dynamic and sustainable living environment

Our founding members, key players in Québec's energy transition



Bécancour



Shawinigan



Trois-Rivières



**Université du Québec
à Trois-Rivières**

Our strategic sectors



Battery



Electrification



**Hydrogen and
decarbonization of
industrial activities and
heavy transport sector**

Strategic orientations

to address four key challenges.

1. Stakeholders' cohesion, acceptability and participation

- **Communicate our positioning**
- **Bring together the ecosystem**
- Strengthens public confidence and awareness

2. Develop a world-class integrated offering to attract talents, stimulate innovation and enhance value

- **Mobilize cross-sector expertise**
- **Provide cutting-edge services** and infrastructures
- **Development of a sustainable living environment**

3. Visibility and awareness locally and internationally

- **Develop world-class expertise in energy transition solutions**
- **Strengthen our presence internationally**

4. Providing the means to achieve our ambitions and ensure sustainable financing

- **Promote entrepreneurship and innovation**
- **Support start-ups by providing incubation and acceleration services**
- **Provide** access to funding

What sets us apart

Energy Transition Zone

Regional Strengths :

- **Shawinigan:**
 - Historic energy hub (first Hydro Quebec hydroelectric powerplants)
 - Strong research presence (Hydro-Québec center, CNETE, LITE, Concordia).
- **Trois-Rivières:**
 - Industrial hub (iron, forestry, pulp and paper industries and manufacturing)
 - Strong academic and industrial research expertise (UQTR, IRH, Innofibre, CMQ)
 - Decarbonization strategy
- **Bécancour:**
 - Major industrial park (7 650 acres at the SPIPB)
 - Major battery ecosystem (Ultium Cam, Nemaska Lithium, Ecopro, NMG, Vale...)

Geographic Assets :

- Two deep-water ports (Trois-Rivières & Bécancour)
- Major transportation hub located between Montreal and Quebec City
- Access to United States as well as European and Asian markets
- Future high-speed train (HST) with nearly 1,000 kilometers of electrified tracks between Toronto and Quebec City



Innovation centers projects

Shawinigan

The Battery and Electrification Innovation Center

Themes

Three operational areas

R&D Zone

Development of processes and products (MCS, advanced materials, qualification, safety, recycling) in laboratory and pre-pilot stages. Implementation of CIRIF INRS-UQTR

Industrial Zone

Qualification testing, certification, safety, and performance at semi-industrial and industrial scale

Space and Office Zone

Collaborative spaces for researchers, businesses, and partners.

Objectives

- Build an integrated innovation pathway
- Unite strengths in electrochemistry, technological integration, and certification
- Accelerate the development and market launch of battery and electrification technologies

Trois-Rivières

Carrefour du Platon Business and Innovation Center for Industrial Decarbonization

Themes

Decarbonization and energy efficiency

1. Development and implementation of decarbonization and energy efficiency solutions in an industrial context
2. Acceleration of the deployment of renewable and low-carbon hydrogen solutions
3. Development and research for decarbonization logistics and technological solutions in a port context
4. Implementation of commercial and regulatory strategies to accelerate decarbonization

Objectives

- Stimulate and strengthen the innovation ecosystem
- Provide support and access to market for innovative technologies
- Facilitate networking and stimulate multi-partner collaborations on decarbonization projects
- Develop an industrial and port decarbonization strategy

Bécancour

Energy Transition Innovation and Development Center

Themes

- Optimization of mineral and material transformation processes
- Valorization of emissions, effluents, outputs, and industrial by-products
- Testing and validation of production, storage, transport, and valorization methods for low-carbon hydrogen

Objectives

- Establish new collaborations and strengthen existing ones
- Promote innovation and technological development
- Enhance and upgrade industrial skills
- Provide a scale-up technology space for start-ups

VALO-VTE

Enhancing innovation

Turnkey Innovation Service Offering:

- Access to cutting-edge equipment
- Provision of specialists and a technical team
- Workspace rental
- Coaching and mentoring
- Networking
- Technical, administrative, and commercial support
- B2B and pitch sessions with investors
- Funding and/or investment opportunities