

Carrefour de l'eau

Water at the heart of a living ecosystem.

CLIENT

Confidential

TEAM

Patriarche (Architecture, Interior Architecture, Signage, Graphic design)

H2O Innovation

INRS

2 Degrés

Québec City

Québec Port

KEYPOINTS

Water recycling plant.

Research laboratories and teaching facilities.

Full-scale testing bench.

Incubator for specialized companies.

Specialized real-estate hub.

Interpretation and awareness center.

SUSTAINABILITY

Bioclimatic principles.

Intelligent building: managing energy resources.

In partnership with H2O Innovation, 2 Degrés, INRS, the Port of Québec and the City of Québec, the Carrefour de l'Eau project aims to address major contemporary challenges: sustainable water management, pressure on the public network, and adaptation to climate change. It also seeks to position Québec as an international-calibre hub of expertise in water-related technologies.

Carrefour de l'Eau is designed as a centre for research, innovation, education, and community engagement. It is a place where scientists, entrepreneurs, and citizens can come together to transform knowledge and technologies into concrete, practical, and globally exportable solutions.

The project brings together state-of-the-art infrastructure for research and teaching, a full-scale testing bench, a water recycling plant dedicated to industrial uses, and an incubator to support emerging companies in the water sector.

Together, these elements create an ecosystem where sustainable technologies can be developed, tested, and brought to market, all while reducing pressure on the public network.

The project also includes an interpretation and awareness centre open to the general public, designed to explain water-related issues, demonstrate how water can be reused, and encourage responsible practices.



Typology

Facility

GFA

19 000 m²

Construction cost

150 to 220 M\$

Location

Québec, Canada

Status

In progress

Key components of the project



Water recycling plant

A facility designed to serve nearby industrial users, reducing pressure on the public drinking water network and promoting the responsible reuse of the resource.

Research laboratories and teaching facilities

Spaces dedicated to advanced research, the training of researchers and experts, and the development of new water-related technologies.

Full-Scale testing bench

An infrastructure that enables technologies to be tested, validated, and optimized under real-world conditions, accelerating their deployment and market introduction.

Incubator for specialized companies

An incubator that supports the creation and growth of young technology-driven companies in the water sector, from initial concept through to commercialization.

Specialized Real-Estate Hub

Rental spaces for companies in the sector, fostering collaboration, synergy, and knowledge sharing within a unified ecosystem.

Interpretation and awareness center

A space open to the general public, designed to shift perceptions around water reuse and raise awareness of issues related to its protection and sustainable management.



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