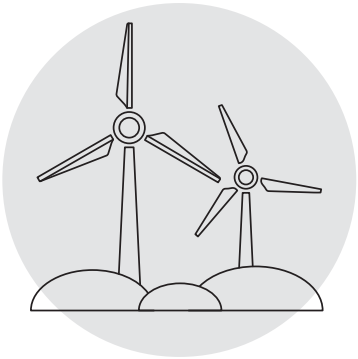
Concept Eco™

Build a **greener future** and extend the lifespan of structures.

Concept-Eco™ provides a **custom low-carbon concrete design approach** to fulfill and even exceed your project's specific **environmental requirements**.



Wind farms

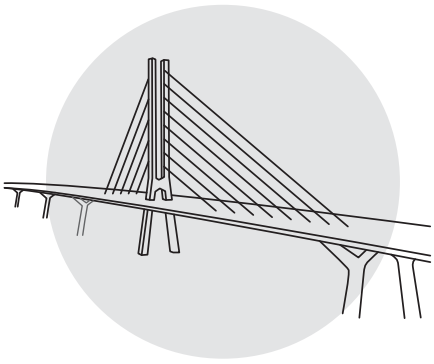
30% reduction in GHG

1600 MW of renewable energy

Process

1. Assessment of needs and objectives
2. Optimization of concrete mix-designs based on usage, type of exposure, and all other constraints
3. Delivery of environmental performance report for concrete supply supported by specific EPDs*

** Environmental Product Declarations certified by ASTM International*



Samuel De Champlain Bridge

20% reduction in GHG

125 years of service life

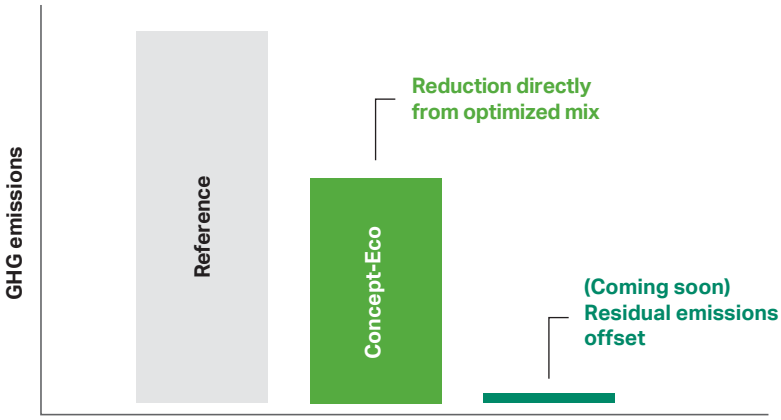
Eco-friendly binders

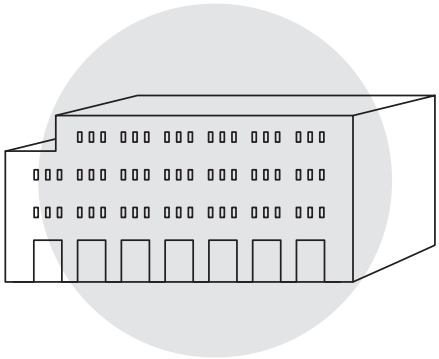
The quality, availability and variety of our supply chain of supplementary cementitious materials allow us to develop and produce the best eco-friendly binders for your project.

These supplementary cementitious materials are recycled by-products with a very low carbon footprint. Combined with Portland cement, they improve concrete's durability while extending the structure's lifespan.

beton provincial

The use of **supplementary cementitious materials** is an essential part of Beton Provincial's DNA.





Concrete Foundations
L'Enfant-Jésus Hospital

49% reduction in GHG

70% supplementary cementitious materials

Carbon neutrality

Keeping in mind the objective of achieving carbon neutrality by 2050, Concept-Eco™ will soon provide a simple and certified alternative to offset the residual emissions from concrete production.

OVER
70%
RECYCLED MATERIALS

Did you know?

Supplementary cementitious materials are recycled materials and by-products from other industries. Without changing standard construction methods, these materials can replace Portland cement by up to 70%.

Advantages of using supplementary cementitious materials for mass concrete:

- Reduce the heat of hydration.
- Reduce the need to cool fresh concrete.
- Facilitate protective measures against a temperature differential between the centre and surface of the concrete component.
- Reduce the risk of cracking.
- Improve workability.
- Increase the durability of structures.

beton provincial

betonprovincial.com/en/concepteco