



# Building Smarter Solutions that ignite your vision

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Lunch & Learn  
February 24, 2022





## Why choose Hatch?



Multidisciplinary local team with experience on some of the largest regional projects in the Lower Mainland, including previous experience with onshore works.



Previously on winning team for initial bid design of George Massey Tunnel Replacement with innovative and sustainable design ideas.



Excellent working relationship with local First Nations/Community Engagement.

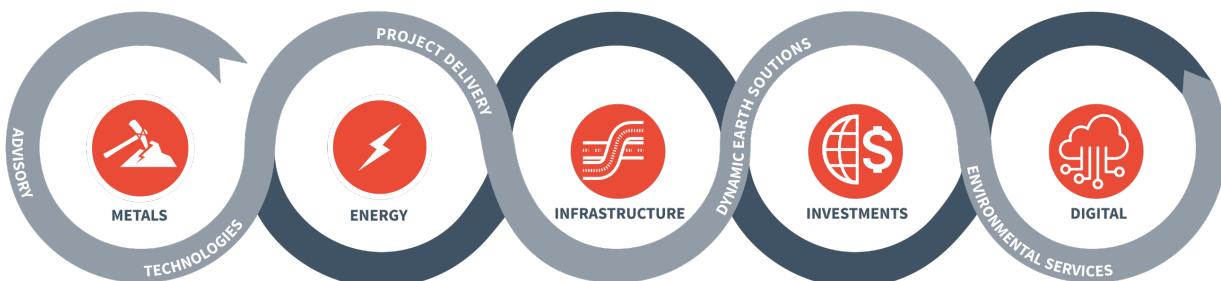


Experienced Environmental Permitting team with recent successful lower Fraser River major permitting experience.



Depth of knowledge on challenging local ground conditions.

*Our business has local leadership and global depth that provides unique services across all market sectors*



# Our team



**Harvie Buitelaar, P.Eng.**

Director, Infrastructure |  
WCA Region (Canada West/Central)



**Sara Fumagalli-Hui, P.Eng.**

Director, Marine BMH  
Terminal Development  
Lead Ports & Marine | Canada West



**Jean Habimana, P.Eng.**

Global Practice Lead, Tunnels



**Alex Pietralla**

Business Development Manager,  
Infrastructure | Western Canada



**Mira Vervoorn, P.Eng.**

Regional Director, Highways and  
Bridges | North America



**Matthias Yu, P.Eng.**

Highway and Bridges Lead |  
British Columbia



**Derek Zoldy, P.Eng.**

Director, Tunnel Practice &  
Water Business | British Columbia





# Making the complex seem simple

## **Waaban Crossing (formerly Kingston Third Crossing Bridge) | City of Kingston**

Hatch was prime design partner on this project, responsible for overall design project management and detailed design of roadways, drainage, approach spans and other structures, environmental management, traffic analysis, utilities coordination, public consultation support, BIM and CAD management, and document control. The project was delivered using the Integrated Project Delivery (IPD) model. This model is similar to a Design-Build model in many ways - with the key difference being that the City of Kingston, along with the contracted design (Hatch and SYSTRA-IBT) and construction firms (Kiewit), worked as partners within the defined \$180 million target cost budget and all shared the risk and reward to deliver the best possible bridge crossing. This project represented the first use of Integrated Project Delivery for a bridge crossing in North America.



## **Centerm Expansion Project | Vancouver Fraser Port Authority (VFPA)**

Hatch is the prime design consultant of a design-build contractor team on this project. The project comprise of series of on-and off-terminal improvements to Centerm container terminal and port roads in a busy marine environment located near downtown Vancouver on the south shore of Burrard inlet. A key design driver was that the terminal remained in operation throughout the construction, requiring complex staging and sequencing planning, including multi-party stakeholder engagement and coordination, as well as phased deliverables in accordance with the construction schedule. The design also successfully achieved VFPA's goals of Envision Platinum certification and is awaiting LEED Gold for the operations building.



## **Louis-Hippolyte-La Fontaine Tunnel | Ministère des Transports du Québec**

Hatch is the designer of a joint venture on this Design-Build and Finance tunnel rehabilitation project. The team was awarded by the Ministère des Transports du Québec to carry out major structural repairs and drainage system renewal to extend the life of the tunnel by an additional 40 years, as well as to upgrade fire safety to comply with current codes, standards and industry best practices. Hatch's design included detailed studies and preparation of shop drawings for concrete repair of tunnel structures, portals and ventilation shafts, upgrading the drainage system, providing passive protection for 180 minutes against Hydro-Carbon Modified fire curve (HCM180), addressing watertightness issues in the tunnel, replacing ventilation equipment, improving escape routes, refurbishing mechanical, electrical/telecommunications and surveillance systems.





# Hatch's current local projects

- Annacis Water Supply Tunnel  
Metro Vancouver
- Annacis Outfall Wastewater Treatment Plant Tunnel  
Metro Vancouver
- Pattullo Bridge Replacement  
TI Corp.
- Surrey Langley SkyTrain  
TI Corp.
- Centerm Expansion Project / South Shore Access Project  
Vancouver Fraser Port Authority
- Rail Engineering Services Provider  
CN, CP and BCR
- YVR North and South Runway End Safety Area Extension Programs  
Vancouver Airport Authority
- Taylor Bridge Replacement Owner's Engineer  
BC Ministry of Transportation and Infrastructure
- 264<sup>th</sup> Street to Whatcom Road Owner's Engineer  
BC Ministry of Transportation and Infrastructure
- As and When Hydrotechnical Services  
BC Ministry of Transportation and Infrastructure



## Partnering for success

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Scan the QR code to find out more about Hatch!

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