



# Mitacs

Championing  
Global Innovation

*Hello my name is:*

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Mitacs is an independent,  
not-for-profit organization that  
fosters global growth and innovation

**21 years** in operation

**47,000**  
research projects

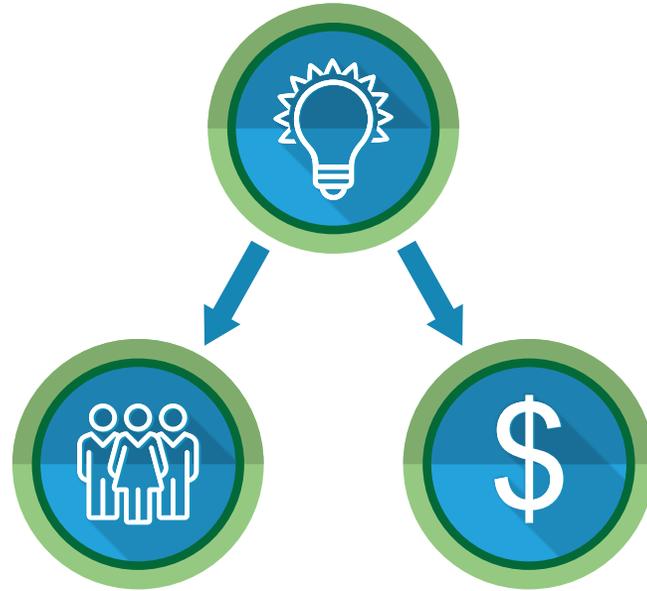
**117**  
post-secondary partners  
in Canada

**6,000+**  
partner organizations

**200+** staff, **30+** offices, **4** regional hubs:  
Vancouver | Toronto | Montréal | Ottawa



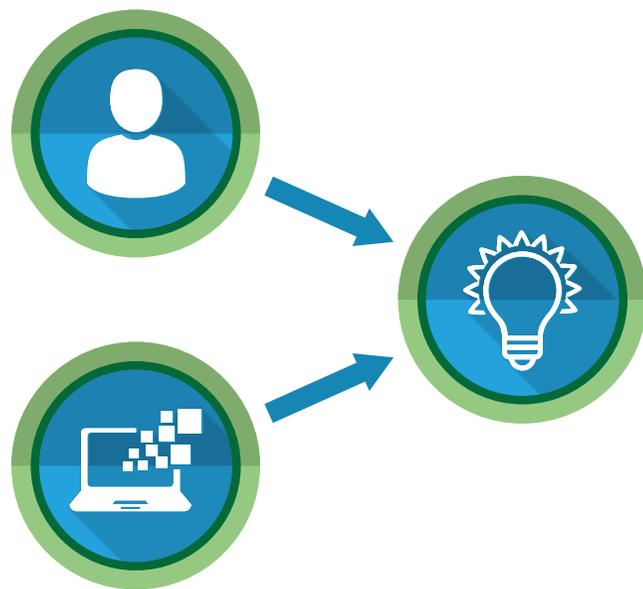
# Why Mitacs



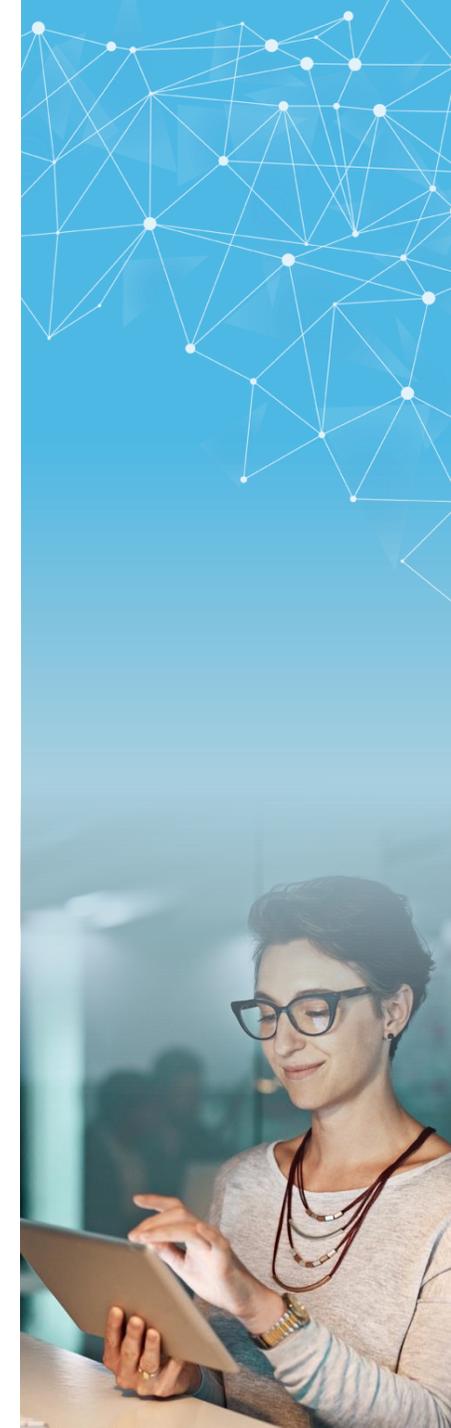
Because **innovation** generates **economic** and **social benefits** for Canada and the world when the right people join forces



## How?



By starting with the needs of the market, and by promoting **human capital** and **collaborative innovation**, Mitacs helps advance Canadian entrepreneurship, **productivity**, and innovation.



# How Mitacs funding works

**Mitacs**

# Mitacs programs

## **Accelerate**

Funding collaborative research projects between industry and academia

## **Elevate**

Funding for accessing postdoc fellow talent plus a training component added

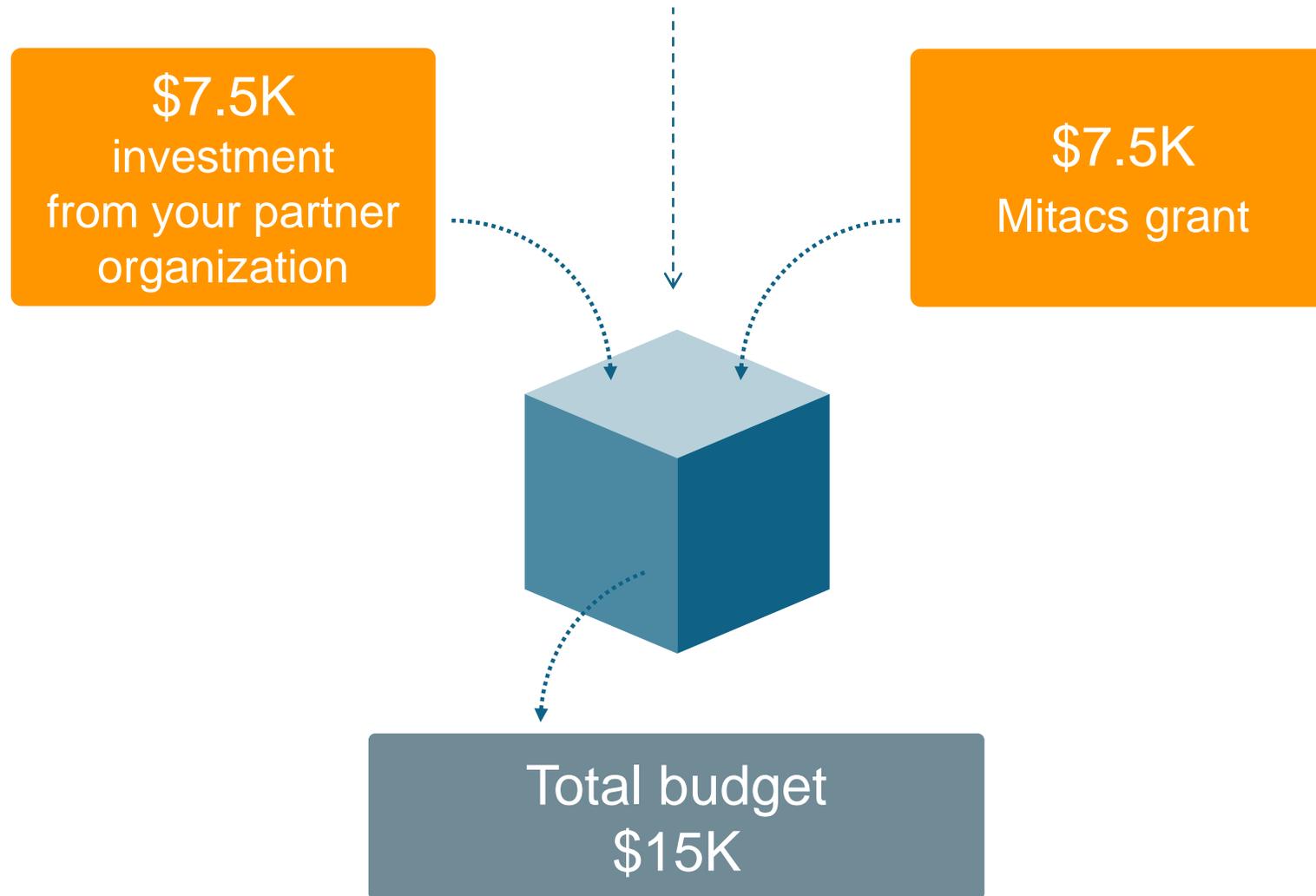
## **Business Strategy Internship**

Funding collaborative innovation projects between industry and academia



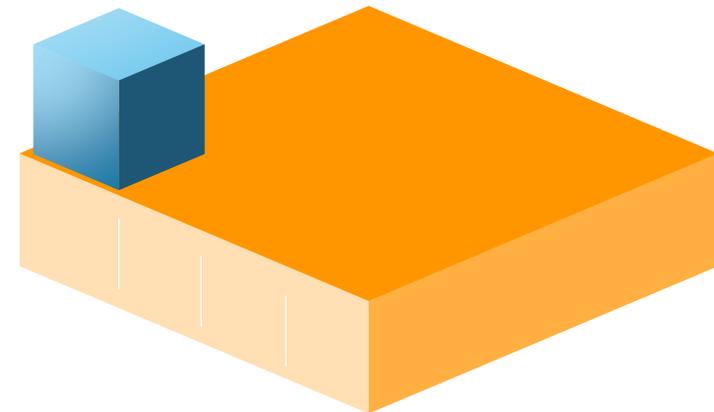
# How?

This represents a module = 4-6 month block



# Mitacs adapts to your pace and needs

- 1 researcher
- 1 professor
- 1 four-month project
- 1 partner company



# Mitacs adapts to your pace and needs

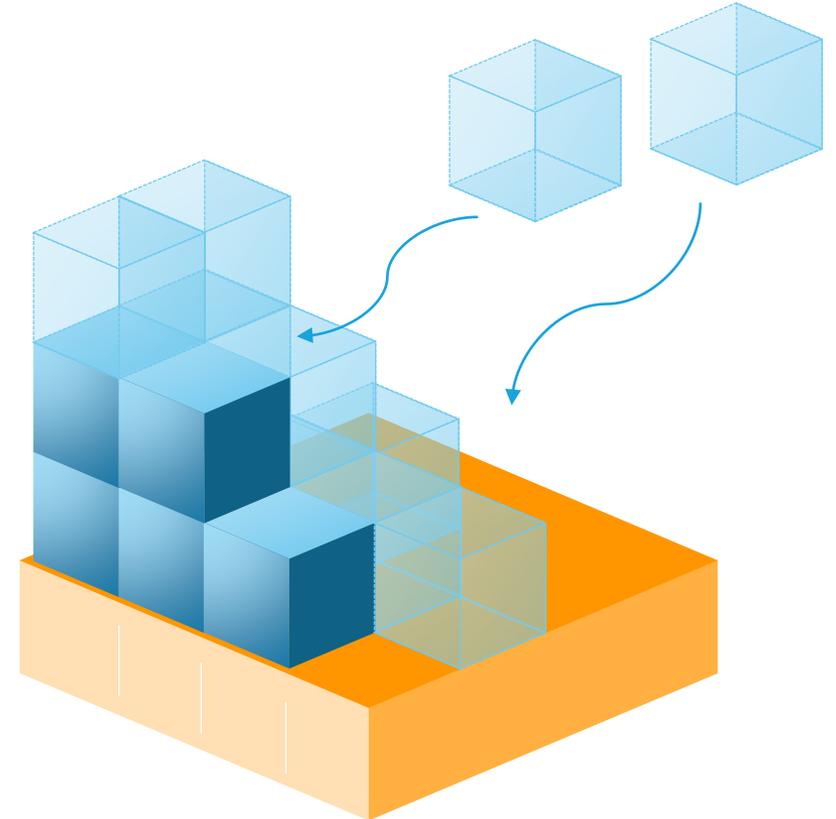
Add as many 4-6 month modules as you need

Multi-month or multi-year modules

Add multiple partner organizations & many researchers

Tackle more complex projects

Achieve long term goals



# Creating a project and talent recruitment plan



# Common Barriers



Need for specialized resources & expertise to work on a broad range of issues



Lack of localized data, analyses, cutting-edge tools, benchmarks, new methodologies



Insufficient budget & time



No clear roadmap...

# You are Mitacs' priority!

The post-secondary institution — not partner — pays the researcher, simplifying paperwork and processes for partners

Researchers can spend up to 75% of their time at the partner organization

IP is negotiated between the partner & the post-secondary institution (with Mitacs support)



New product development



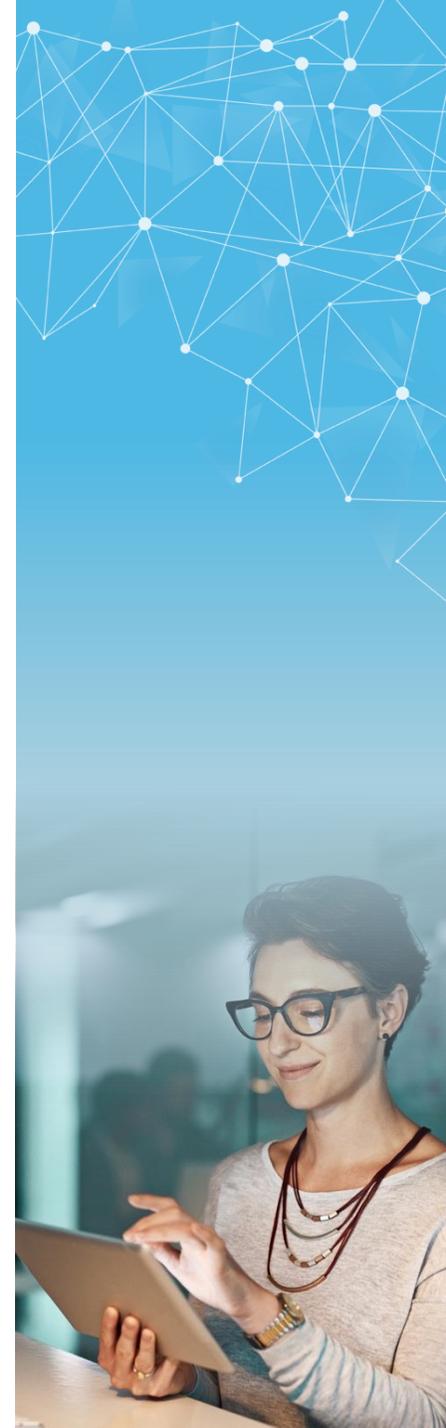
Exploring disruptive technologies



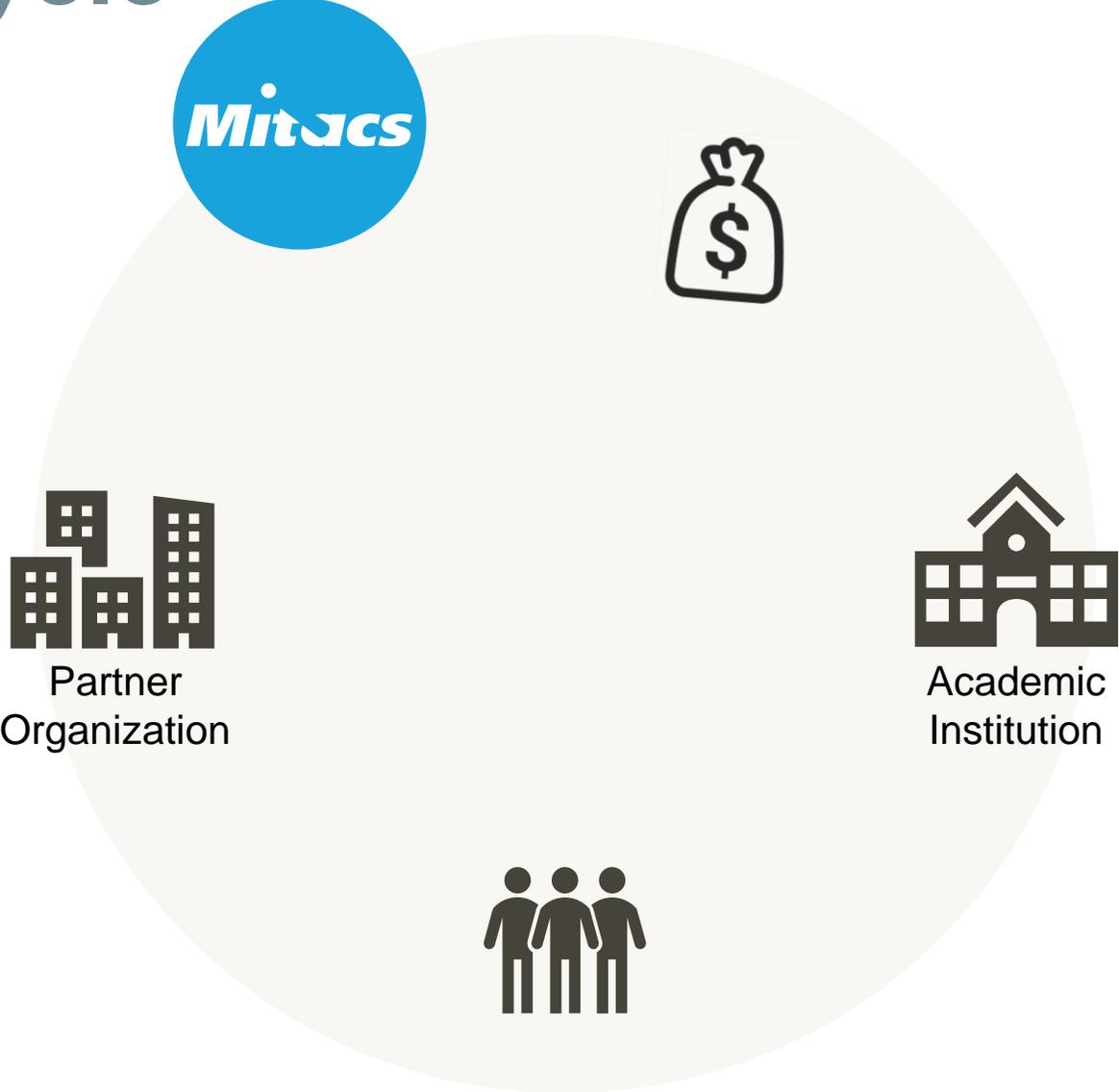
Product and process optimization



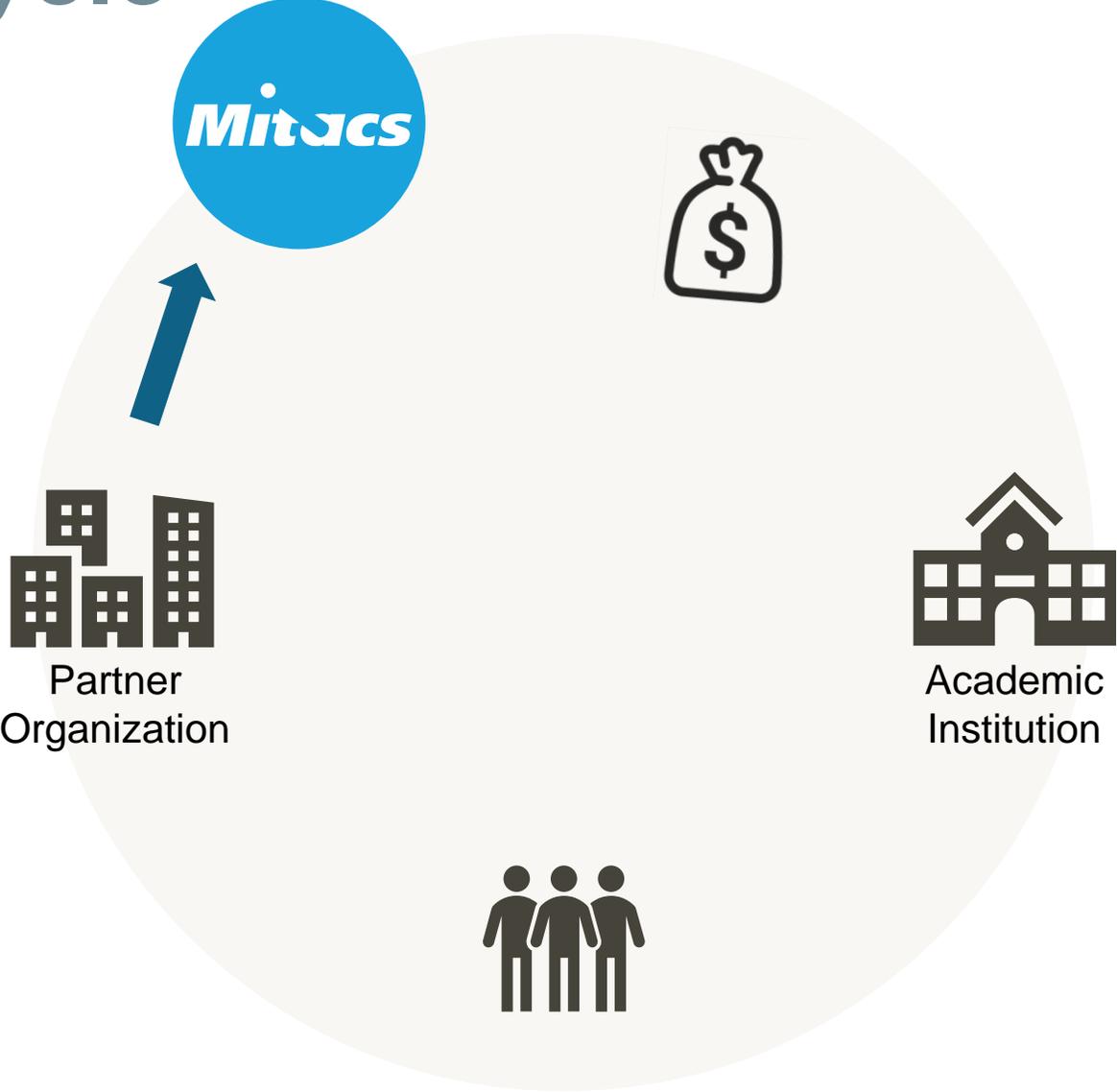
Commercialization



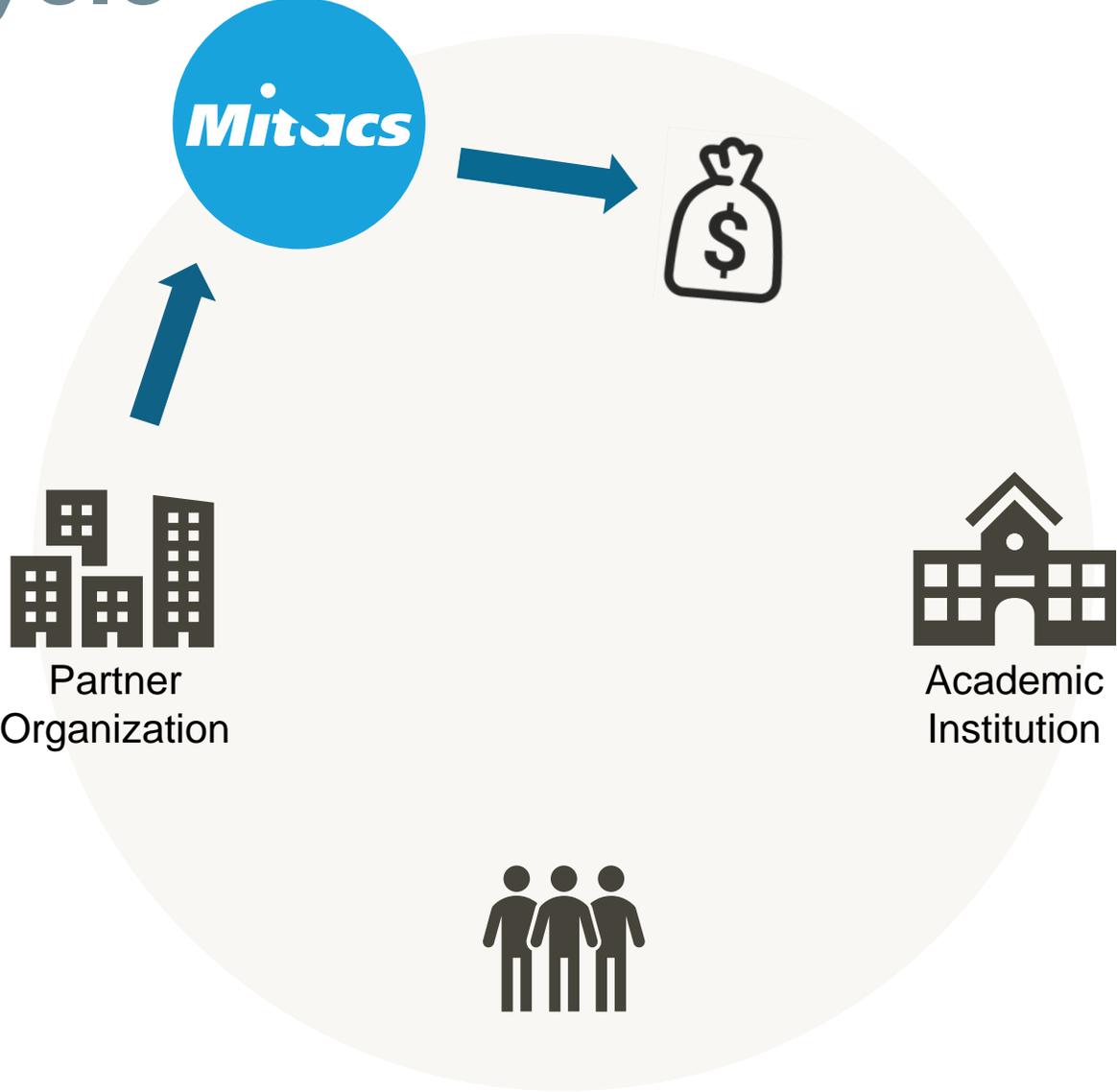
# Funding Cycle



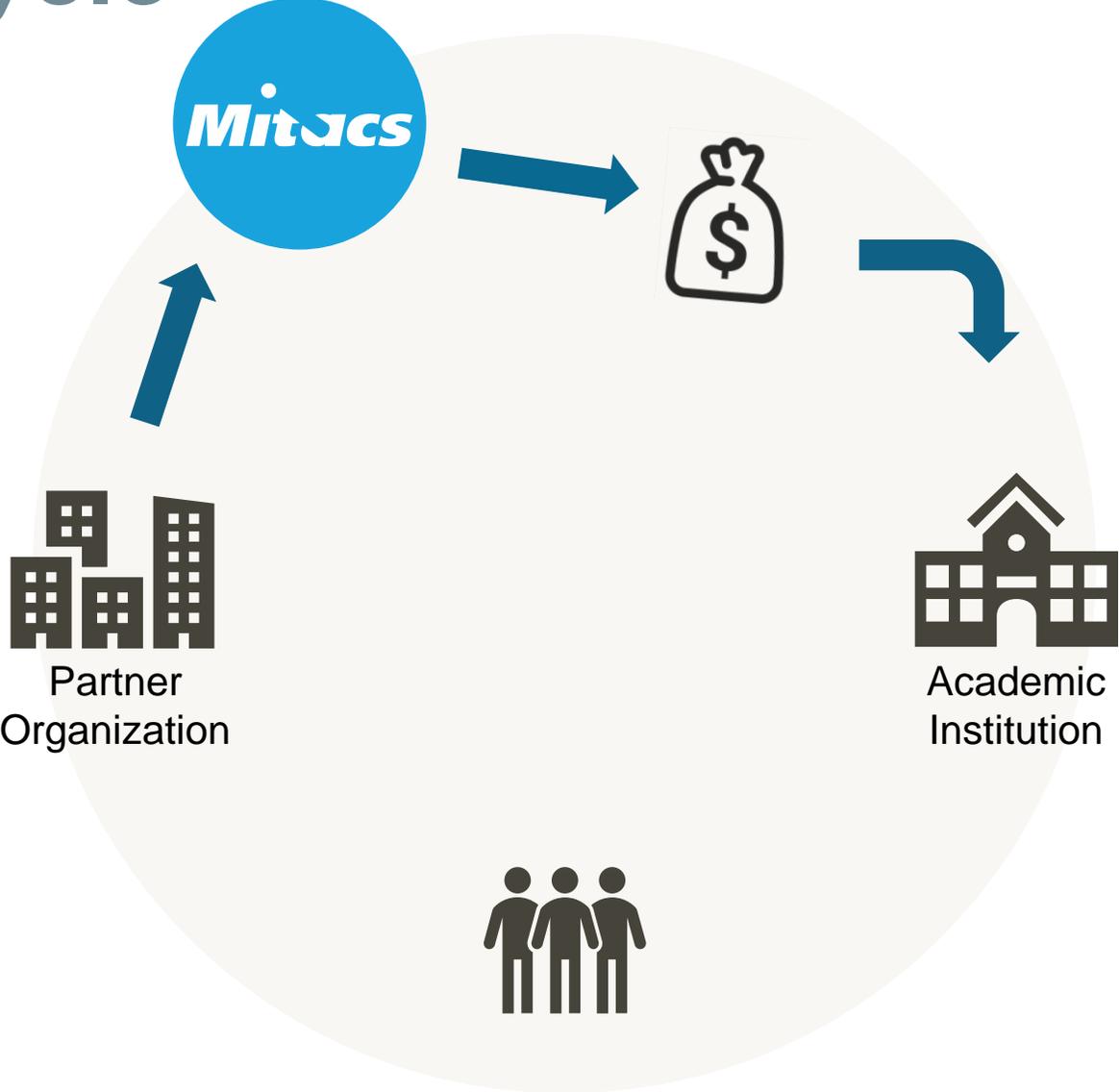
# Funding Cycle



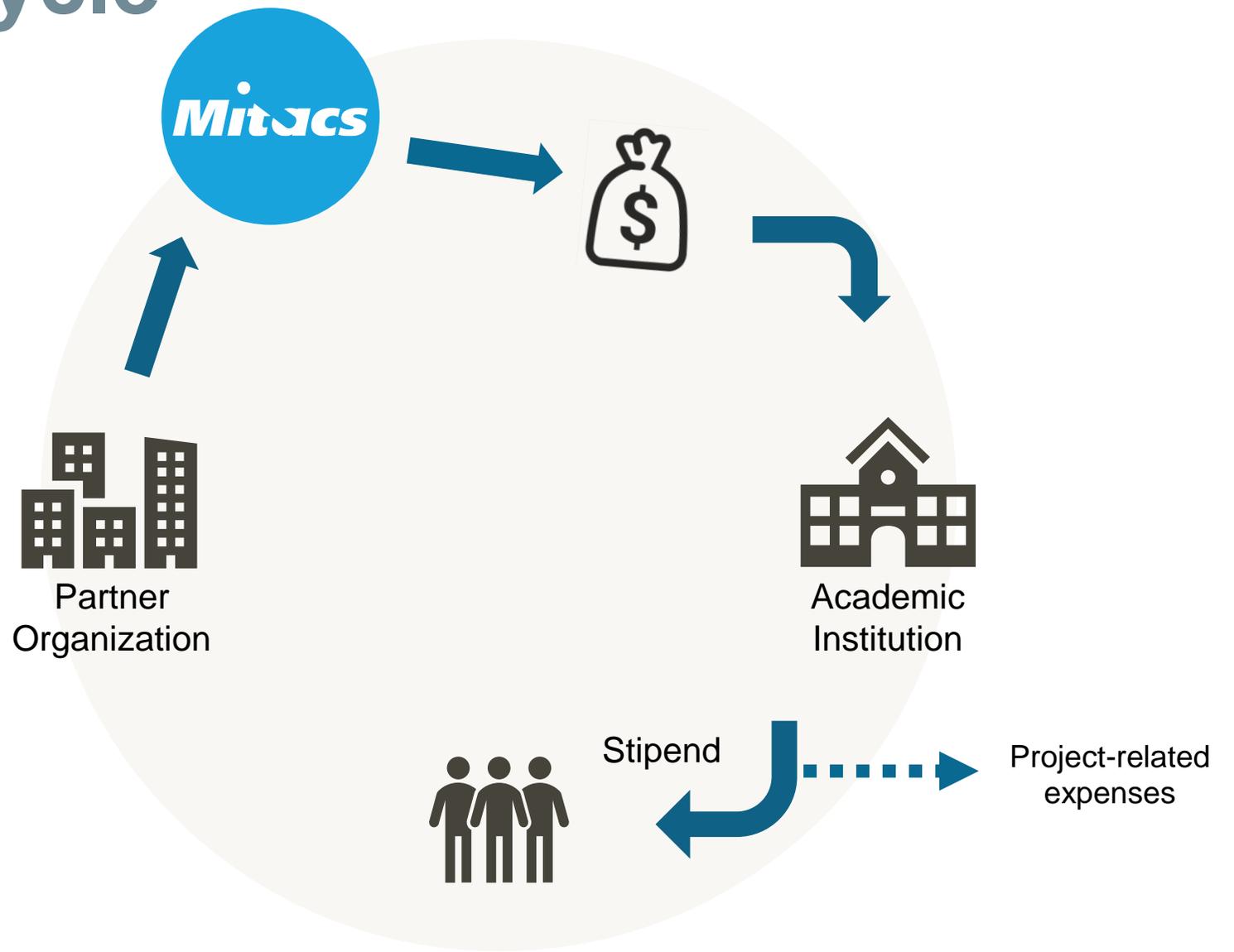
# Funding Cycle



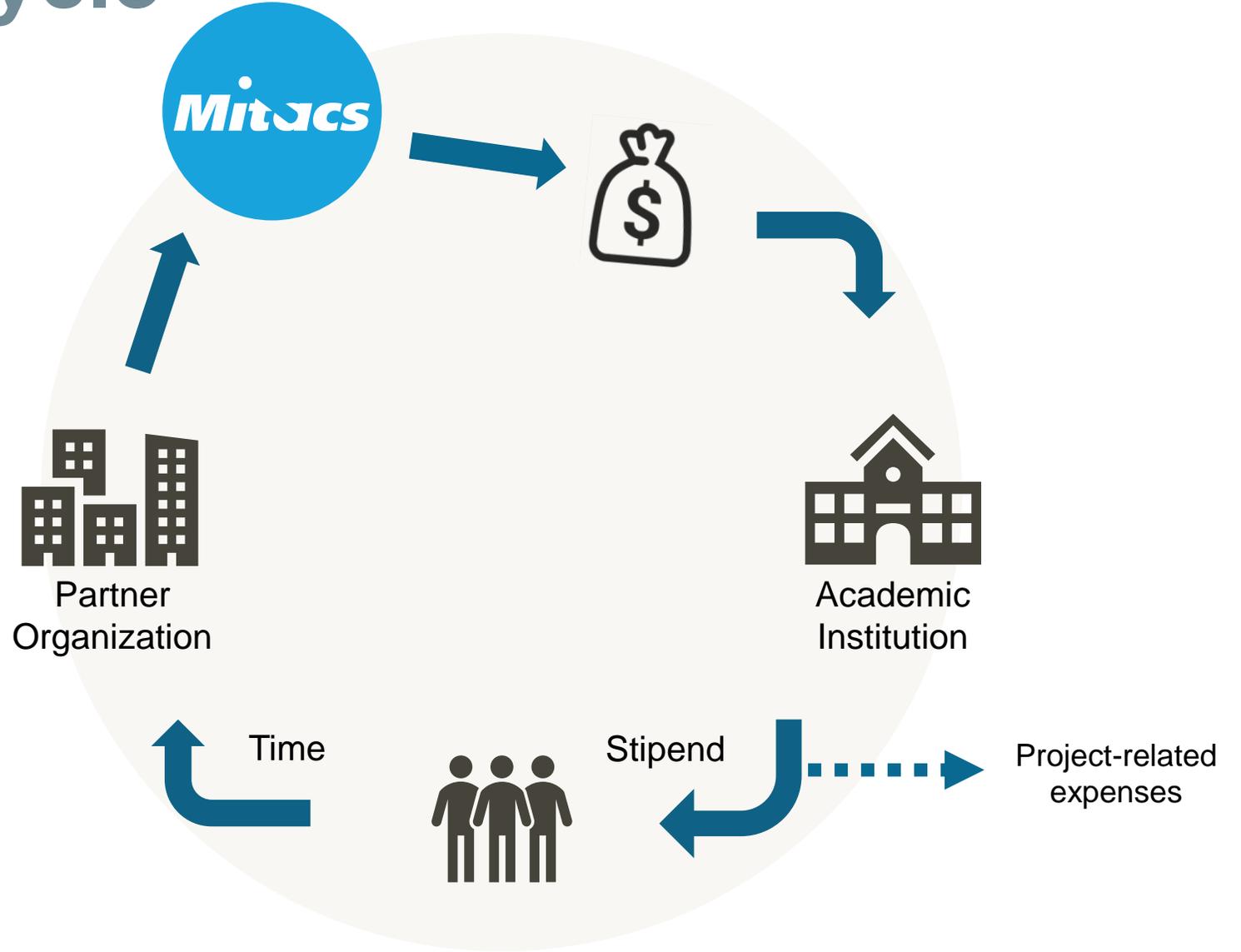
# Funding Cycle



# Funding Cycle



# Funding Cycle



# Eco-Friendly Styrofoam Substitute for Sustainable Food Packaging

## Team

University of Northern British Columbia & Brown Bay Packing

## Challenge

Government ban for single use plastics are expanding in many places, so alternatives for Styrofoam are needed.

## Solution

Develop a biodegradable and made from a renewable resource alternative for Styrofoam for seafood packing.

## Impact

The project will create a eco-friendly solution for Styrofoam and eliminate a large amount of non-biodegradable waste



# Eco-Friendly Styrofoam Substitute for Sustainable Food Packaging



Mitacs helped developing a strategic partnership and providing funding

The project recruited a PostDoc. Top talent is hard to find!



Investment paid off. Technology was developed and were able to secure more funding!



Company came to us with a problem



They used Mitacs again for finding more talent

Project was so successful that it grew into a spinoff!

# Exploring applications of Machine Learning and Quantum Computing in optimization, finance, and the healthcare industry

## Team

1Qbit & researchers from UBC / U of Waterloo / U of Calgary

## Challenge

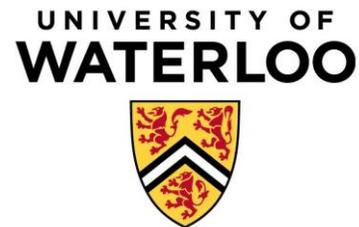
Quantum computing requires a diverse set of expertise to evaluate relevant high-level mathematical calculations and their applied uses in the computing/annealing context.

## Solution

This project focused on research and development of experimental usage of quantum and classical hardware devices for industry use including, healthcare, finance, advanced materials, and optimization

## Impact

By bringing together this group of graduate student interns with a range of academic backgrounds, the company can better tackle the unique challenges in exploring and testing how quantum processing units can be effectively used for Industry

The logo for 1QBit, featuring the number '1' in a blue circle, followed by 'Q' in a blue circle, and 'Bit' in a dark blue sans-serif font.

# Thanks to our funding partners

Canada 



# Thank you for your interest



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