

Building Sustainable Capacity in Canada's North



We are building homes in northern Indigenous communities to create the necessary foundation for long-term sustainable capacity. Our holistic approach involves partnering with the communities and involving the residents in all stages of the design, construction, and maintenance of the homes, in a way that creates both environmental and economic sustainability.



Our 'house in a box' kit uses innovative materials and approaches to ensure the homes are both climate resilient and environmentally sustainable:

- Fire and water resistant structural insulated panels
- Stabilizing foundations that account for melting permafrost
- 100% recyclable and water-resistant wall and ceiling panels that won't mold
- Fire-retardant exterior coating made from sustainable cork
- Prioritizing renewable energy sources

Our Approach

Engaging Youth

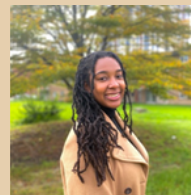
Kuponya Innovations is a student-led initiative based out of Wilfrid Laurier University. We are engaging youth in the communities to share knowledge and co-create plans that combine traditional Indigenous knowledge with innovative technology.

Building Skills

Our approach allows for residents to assemble the homes. With minimal training they can be involved in both the building and maintenance of the homes, creating marketable skills for green jobs.

Supporting Entrepreneurship

We are working with ProsperNWT to support the creation of Indigenous-led businesses around their housing needs.



Jordan Prentice
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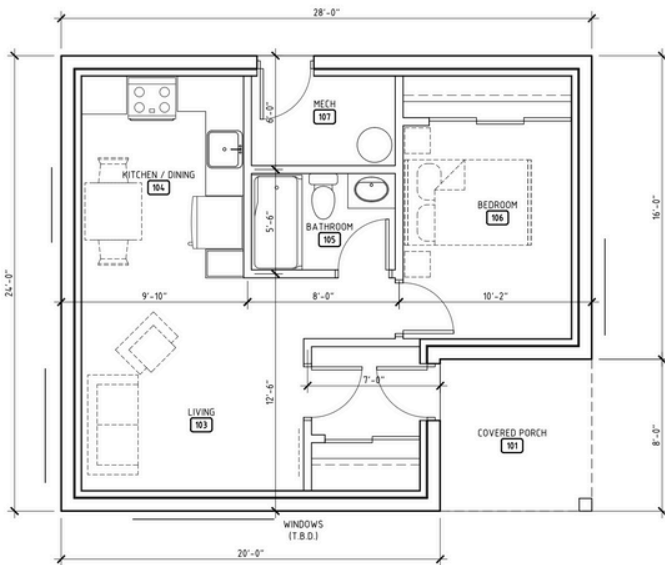


Our Housing Design



Our design considers a number of key criteria with quality and total overall cost of ownership being paramount. We've carefully chosen materials and approaches that consider not only the harsh northern climate and short building season, but also the logistical constraints of building in remote communities. We've focused on ensuring that the homes are not only resilient to climate impacts, but also sustainable to reduce future impacts, as well as maximizing energy efficiency.

We have focused on small one-bedroom homes to fill a gap in the North for people transitioning into a home of their own.



Our one-bedroom base design is 672 sq. ft. It can be expanded to include a second bedroom and/or grouped with other units to create community. Most importantly it can be adjusted to suit the needs of the residents.

Email: info@kuponyainnovations.ca

Get in touch today to discuss layout options

Tiny Homes

- Lower carbon footprint
- Lower total cost of ownership

Built from Structural Insulated Panels

- Minimize on-site construction waste
- Assemble in days vs. months
- Fire and water resistant building envelope
- Fire resistant sustainable cork exterior coating

Quality Interior

- 100% recyclable and 100% water-resistant wall and ceiling panels that install 4x faster
- Partnered with IKEA to create customized interior packages for residents to choose from

Energy Efficiency

- Incorporate Passive House and Net Zero principles to maximize energy efficiency
- Prioritize use of renewable energy sources where possible to reduce reliance on fossil fuels

