

ACADEMIC INSTITUTION Wilfrid Laurier University

PROJECT NAME Kuponya Innovations & Safi

NEED AND AUDIENCE

NEEDS IDENTIFIED

- 81%** of Indigenous land reserves in Canada at risk of flooding
- 3x** risk of forest fires
- 42.7%** households in NWT fail to meet one or more of the national housing standards

Traditional construction creates

- 1/3** of world's waste
- 40%** of world's CO2 emissions

TARGET AUDIENCE

- Indigenous communities in NWT
- Initial pilot in Fort Good Hope






YAMOGA LAND COOPERATION

NEEDS IDENTIFIED

- 71%** of cattle farmers in East Africa have been forced to switch to drought-resistant camels
- 80%** of farmers in East Africa do not pasteurize their milk
- 90%** of camels carry life-threatening diseases that spread through consumption of raw milk ex: **MERS** which is **10X** deadlier than COVID-19 with **5X** the reproduction rate

TARGET AUDIENCE

- Small dairy farmers in developing East African countries
- Scaling to other regions including the Middle East



ACTION TAKEN

WE'RE BUILDING

- tiny homes using structural insulated panels
- built on helical pile foundations
- incorporating Passive House and Net-Zero principles
- and using renewable power sources such as wind and solar.

WE'VE PARTNERED WITH



WE'VE SECURED

\$250K in funding for our pilot home through



WE'VE CREATED

a simple solution to a complex problem

- portable easy-to-use pasteurization device
- that easily attaches to any pot
- with a colour-coded thermometer
- that kills harmful pathogens in milk without compromising taste.

WE'VE PARTNERED WITH



WE'VE SECURED

- \$5k in direct funding
- \$37k in in-kind support including funding for field testing in Rwanda



IMPACT

\$250K funding for pilot home to be built in August


\$8K funding received from Jeanne Sauvé Global Project Accelerator

20+ homes in Fort Good Hope = **\$4M** projected revenue next year

1/4 cost of building typical home in NWT

↓ Waste

- ~60K** plastic bottles upcycled per home
- 8%** CO2 emissions from tiny homes + using renewable energy to reduce reliance on diesel



\$5K in direct funding **\$37K** in-kind support


58% increase in farmer income selling pasteurized milk

\$199,938,828 total projected increase in annual revenue for Rwandan Farmers alone

73 Milk Cooperatives

400K Small scale Farmers (approx.) in Rwanda

475M Potential East Africans protected from milk-borne pathogens



STANDARD METRICS




















(These metrics are related only to the project presented and represent work done since March 1, 2022)

Individuals educated on climate action		Businesses educated on climate action	
Litres of water conserved		Metric tonnes of waste diverted	
GHG emissions diverted		Dollar value of waste diverted in CAD \$	

PROJECT START DATE 2022 & 2021

IS THIS PROJECT WHOLLY-OWNED AND OPERATED BY THE TEAM? Yes

ACADEMIC INSTITUTION	Wilfrid Laurier University	PROJECT NAME	The RJ Project & The Autism Project
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NEED AND AUDIENCE	
<p>NEEDS IDENTIFIED</p> <p>23% of Ontario students report being bullied at school </p> <p>2,124 violent incidents reported in 2022 </p> <p>46,990 students suspended in 2018/19 school year </p> <p>315 students expelled in 2018/19 school year</p> <p>TARGET AUDIENCE School boards across Canada dealing with high levels of violence/bullying and relying on exclusionary discipline. </p>	<p>NEEDS IDENTIFIED</p> <p>ONLY 33% of adults on the spectrum are employed </p> <p>62,310 unemployed adults on the spectrum in Ontario</p> <p>\$14,738 /yr funding from ODSP  </p> <p>= \$5,194 below the poverty line</p> <p>TARGET AUDIENCE Young adults on the spectrum who want but can't find meaningful employment. </p>
ACTION TAKEN	
<p> </p> <p>WE'RE CREATING An interactive ed-tech platform focused on preventing conflict in schools by gamifying the learning of crucial social-emotional skills.</p> <p>WE'VE TAKEN ACTION</p> <ul style="list-style-type: none"> Consulted with experts in special education and game design Worked with teacher education candidates to design age-appropriate scenarios for different grade ranges and student needs Gained commitment (subject to vetting) from WCDSB to use game in all grades 1-3 classes  	<p> </p> <p>WE'RE CREATING A training program to teach coding skills to adults on the autism spectrum with social skill workshops and supports for gaining employment.</p> <p>WE'VE TAKEN ACTION</p> <ul style="list-style-type: none"> Spoken with individuals on the spectrum to gain their input into the design of our program to suit their unique learning styles Reached out to potential partners and employers to build pathways to meaningful employment and appropriate workplace accommodations 
IMPACT	
<p>\$8K funding received from Jeanne Sauvé Global Project Accelerator </p> <p>\$20K annual licensing fee per grade version</p> <p>\$1.44M total addressable market in Ontario</p> <p>\$30M national TAM for all grade ranges</p> <p>666K potential youth impacted </p>	<p>\$3K funding received from RBC Future Launch Project Accelerator </p> <p>ONLY coding-focused program designed for adults on the spectrum in Ontario </p> <p>62,310 potential individuals on the spectrum gaining meaningful employment</p> <p>\$83K average salary for Javascript programmer </p> <p>\$68K potential increase in annual earnings</p>

STANDARD METRICS			
(These metrics are related only to the project presented and represent work done since March 1, 2022)			
Number of businesses started		Number of existing entrepreneurs helped	
Number of people exposed to entrepreneurship		Number of jobs created	

PROJECT START DATE	2022 & 2022	IS THIS PROJECT WHOLLY-OWNED AND OPERATED BY THE TEAM?	Yes
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