

Status: Filled

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### Project Description

Revivify would like to develop and utilize Smart-Bins that will make use of recycled materials.

Technology- Ideally the Smart-Bin would include the following three technology features:

1. It could send out a signal when it is filling to initiate a pickup/emptying.
2. It could measure and record the weight of its contents.
3. It would have a barcode, which upon scanning by the operator, would record the information for the date and location of the emptying, and the weight of contents.

Design- Given the increasing restraints on space, Revivify would like to be able to provide a few different, unique, and attractive bin designs to strata councils to allow them to place a bin wherever they can find the space for it, including but not limited to the building lobby.

Social/Environmental- The Smart-Bin would be designed to be locally sourced and assembled and would be made out of waste material that would otherwise end up in a landfill. The Smart-Bins could be clearly distinguishable from other recycling bins through their unique, contemporary, and smart design. If possible, the main body of the bins will be sourced from local industries and businesses that purchase liquids and discard the containers. In this scenario, the re-manufacturing process will likely include simple processes such as washing, painting, and attaching the sensors, wheels, and lid. Our goal is to create jobs for local hard-to-employ individuals and to have a unique and contemporary sustainably made bin that symbolizes the vision of Revivify. An alternative would be to explore the most sustainable methods of making injection moulded bins.

In either case, given that bins are an important part of its business model, Revivify is hoping to design and execute this program with the goal of eventually replacing all manufactured garbage and recycling bins (from new materials) with socially and environmentally responsible ones.

### ABOUT

Revivify is a Canadian owned and operated startup based out of Vancouver, BC formed to

rise residents. Revivify partners with strata councils, and building management companies to provide a recycling program that allows residents to easily recycle clothing, textiles, and shoes much like bottles, paper, and other recycling materials in their building. The service is designed to reduce the environmental impact and lessen the carbon footprint of the many who get in their cars to find drop off locations and more importantly, keep thousands of pounds of textiles out of landfills every day. A portion of the program proceeds is dedicated to our charitable partners.

High-rise residents have constantly been faced with the challenge of conveniently recycling clothing in their dwelling in an urban setting. Clothing drop off bins are few and far between in dense urban areas, therefore discarding textiles either require the resident to spend time, energy, fuel to search for and find a bin, and usually drive to drop them off or they just end up in the garbage bin. This issue is one of the major contributors to the 30,000 tonnes/year of textiles that end up in the Metro Vancouver landfills