

RecycleSmart Collects \$1.7M Of Grant Funding From SDTC

Funding will be used to develop and commercialize smart container sensor technology that reduces carbon emissions created by inefficient waste and recycling collection systems.

January 15th, 2020-Richmond, British Columbia - RecycleSmart announced today that it has secured a \$1.7M technology commercialization grant from the federally-funded Sustainable Development Technology Canada (SDTC) program. The grant will be invested to develop and commercialize the RecycleSmart system of connected waste and recycling container sensors which optimize the efficiency of collection systems and decrease recycling contamination.

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The RecycleSmart system uses rugged, industrial Internet of Things (IOT) connected sensors to collect data on container fill level, container contents and how quickly containers are filling with material. Data is processed using cloud computing, artificial intelligence and machine learning analytics to create more efficient collection scheduling and identify which recycling containers are contaminated with non-recyclable items.

Waste and recycling collection vehicles typically follow inefficient, static routes to collect containers. Using container fill level data, the RecycleSmart system optimizes collection schedules to only empty containers that are full. Optimized collections lead to less fuel consumption, which ultimately reduces the carbon footprint generated by collection vehicles.

With recent global changes in the recycling market, organizations have been forced to reevaluate the effectiveness of recycling programs. Recycling success now depends on keeping recyclable material clean and free from waste contamination. The RecycleSmart system utilizes rugged camera sensors to detect when incorrect materials are placed in recycling containers and proactively alert users to take corrective action to avoid contaminating recyclables.

Jaclyn McPhadden, Co-Founder and Chief Administrative Officer of RecycleSmart commented, "The support from SDTC is an incredible opportunity to accelerate the growth of RecycleSmart by fueling our sensor technology development program. We are honoured to receive this investment which will increase the rate at which RecycleSmart can move from R&D to commercialization in the next 2 years."



“Canadian cleantech entrepreneurs are tackling problems across Canada and in every sector. I have never been more positive about the future. With SDTC’s support, RecycleSmart is Canada’s largest provider of smart waste diversion - diverting over 80,000 tonnes of recyclable material from landfill per year in Canada, a remarkable feat!” -Leah Lawrence, President and CEO, Sustainable Development Technology Canada

About RecycleSmart

RecycleSmart is Canada’s largest provider of smart waste diversion, organic capture, and recycling management ideas to all of Canada’s shop, eat, sleep, learn, work, and fun places. RecycleSmart develops and deploys advanced cloud-based waste and recycling container sensor systems that reduce emissions, cut operating costs and increase waste diversion at over 5000 sites nationwide. Customers include proud local independents, to Fortune 500 companies.

About Sustainable Development Technology Canada

Sustainable Development Technology Canada (SDTC) is a foundation created by the Government of Canada to advance clean technology innovation in Canada by funding and supporting small and medium-sized enterprises developing and demonstrating clean technology solutions.

Contacts

Follow RecycleSmart on Twitter: [@wastewatchers](https://twitter.com/wastewatchers)

Follow Sustainable Development Technology Canada on Twitter: [@SDTC](https://twitter.com/SDTC)

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