



H & M & HKRITA launch project to treat textile waste in Cambodia

24 October, 2021



The announcement was made by [International Consortium](#) Started by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ Fabric Project), HKRITA, Chip Mong Insee, Dakota Industri-al, H & M Foundation, and VF Corporation, one of the leading apparel and footwear companies. According to a H & M Foundation press release, a

feasibility study for deploying green machines in Cambodia by 2022 is currently underway.

The fashion supply chain extends from textile production to retail channels. However, the most harmful environmental impact occurs during the manufacturing process. This process consumes a lot of resources that use a lot of water and chemicals. In addition, an estimated 10-15% of the total fabric used to produce garments is now waste already at the cutting stage. Today, most of them are eventually landfilled or burned.

The Hong Kong Textile Apparel Institute (HKRITA) and the Swedish H & M Foundation have launched an ambitious project to tackle textile waste in Cambodia. Led by Green Machine, the world's first technology for large-scale recycling of blended textiles, we will contribute to a better future for the people of Cambodia and the planet.

Cyclic practice is key to creating a more sustainable fashion future. Therefore, through the FABRIC project, GIZ has brought together all the major partners along the clothing supply chain to evaluate the industrial scale development of Cambodia's green machines.

Developed by HKRITA with the support of the H & M Foundation, Green Machine is the world's first technology that allows large-scale separation and recycling of polyester and cotton blended fibers without compromising quality. Recycling of a single material has long been possible, but recycling of blends and blending of the world's most common types of textiles, cotton and polyester, has not been possible. GreenMachine has changed the game. This process uses only heat, water, and less than 15% biodegradable chemicals to separate cotton and polyester materials in a closed loop system.

GIZ Fabric supports Cambodia's green machine feasibility study and makes an informed decision that private partners will deploy this state-of-the-art technology to begin recycling waste in Cambodia for the first time by 2022. I will be able to lower it.

"Better waste management has a positive impact on community resources such as water, air quality and land use, which reduces long-term stressors and sources of various types of conflicts. It will also create a new job and a sense of pride." **Marc Beckmann, Project Director of GIZ Fabric**, Said in a statement.

Fiber2Fashion News Desk (GK)