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Thao Lam La · 5 Aug 2022 · 1 min read

# NTU, SG greentech firm to launch \$4.3m textile research center

[Royal Golden Eagle](#) (RGE), a Singapore-based greentech manufacturing firm, has partnered with Nanyang Technological University (NTU) to launch a sustainable textile research center.



Photo credit: wzl / Shutterstock

The center, called RGE-NTU SusTex, aims to bolster innovation in textile recycling and apply research outcomes to solve real-world problems. It will focus on four main areas: sustainable textile recycling, automated textile waste sorting systems, eco-friendly dye removal, and new textile development.

Researchers at the S\$6 million (US\$4.3 million) joint center will study the chemical makeup of various textile materials to develop processes and solutions needed for a [circular textile economy](#).

Established in 1973, RGE is a producer of sustainable natural fibers, edible oils, green packaging, and clean natural gas. The company has total assets of over US\$25 billion and employs 60,000 staff across Asia, Europe, and the Americas.

<https://www.techinasia.com/ntu-partners-rge-launch-43m-sustainable-textile-research-center>

According to estimates, **92 million tons** of textile waste are dumped into the environment each year. Meanwhile, only 12% of the material used for the production of clothes gets recycled. The global textile industry **accounts for 10%** of total carbon emissions, more than international flights and maritime shipping combined.

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