



## AMERICAN-MADE RE-X BEFORE RECYCLING CHALLENGE



This aerial view shows a dump site where secondhand clothes are discarded at Old Fadama in Accra, Ghana

**These waste clothing dumps can be seen from space.**

**Eliminating them provides environmental, societal and financial benefits.**

- Charity shop donations that cannot be re-sold in the US are sent around the world for resale
- Of these around 60% are sold and the remainder end up being burned or dumped, causing vast environmental damage.
- Using AI techniques we plan to pre-identify unsellable items before they are shipped abroad, shred them and turn them into non woven structures for use in thermal and sound insulation, carpet underlayment, disaster relief blankets and geotextiles.