Sustainable clothing and accessories divert plastic from landfills, saves 50 per cent water, 20 per cent energy, and produces 55 per cent fewer carbon emissions, compared to virgin polyester yarn.

The sheer statistics around plastic pollution are staggering. According to National Geographic, the total amount of plastic ever manufactured was done so over roughly the last decade-and-a-half. The global production of plastic has risen from 2.3 million tons in 1950 to 448 million tons in 2015, though worryingly it is projected to double that figure by 2050.

Here in Dubai, an SME that was started a little over a decade ago – DGrade – has established a process to take PET plastic bottles and convert them into yarn that can be used to create high-quality fabrics.

Its Greenspun technology uses a process whereby plastic bottles are washed, shredded, melted into fibre and then spun into its trademarked Greenspun yarn.

DGrade has been providing a sustainable solution for corporate uniforms and branded clothing lines since 2010 by producing bespoke products for clients with its proprietary Greenspun yarn.

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