



## Save the Future

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### From waste to garments - Development of new fabrics made from waste from the textile industry

The master project „From waste to garments” by Büke Cayci-Yavuz was realized in cooperation with the Italian textile company Trafi Creativita' Tessile S.r.l.

Trafi is located in Prato, the most important textile district in Italy. This area is known for its advanced industry, especially because of its low environmental impact.

The company has developed new techniques for the continuous printing and coating of tops and yarns. By creating fashionable fabrics with innovative effects and new kind of textile products, Trafi is also known for its developments in needle-punching technique.

In this project, Cayci-Yavuz used process waste like woolen yarn hanks, as a resource for the development of new fabrics. The upcycling of production rejects is an innovative step towards the reduction of industrial wastes. By using the needle-punch technique, it is possible to create non-woven fabrics for the production of garments. To match with current fashion trends, the new fabrics are combined by the designer with different kind of materials. Several techniques like bonding and stitching help to realize fashionable outfits. The purpose of this project is to provide a higher value and quality by combining unique fabrics.



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