

Spain's Zara & LanzaTech launch collection made of carbon emissions



Pic: Zara/LanzaTech

LanzaTech has announced a collaboration with Inditex that led to the design of a capsule collection for the retail group's largest brand Zara that incorporates fabric made with carbon emissions. LanzaTech has developed a carbon capture technology that converts carbon emissions into ethanol, which can then be used to produce new materials such as polyester.

LanzaTech's biological process captures and converts steel mill emissions that would otherwise be emitted into the atmosphere as carbon dioxide. LanzaTech recycles the emissions into Lanzaol (ethanol) through a fermentation process.

The Lanzaol is then converted into low carbon monoethylene glycol by the company India Glycols Limited which is then converted into low carbon polyester yarn by Far Eastern New Century (FENC). This yarn has been used to make fabric for a Zara capsule collection of party dresses, the two companies said in a joint media release.

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"We are hugely excited about this collaboration with Inditex and Zara which brings fashion made from waste carbon emissions to the market," said Jennifer Holmgren, chief executive officer of LanzaTech.

"LanzaTech has the technology that can help fashion brands and retailers limit their carbon impact," Holmgren said. "By working with Zara, we have found a new pathway to recycle carbon emissions to make fabric."

Link

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