Flamebuster2 Eco Coverall

Circular redesign of a work coverall



hemp fabric for a sustainable and durable coverall



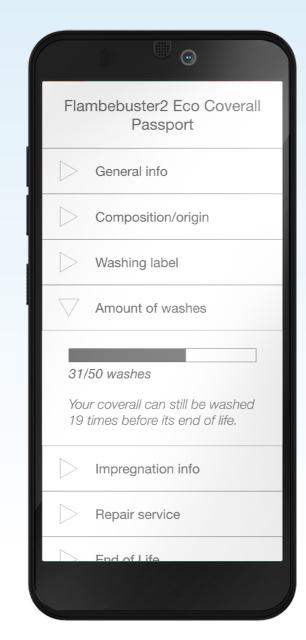
biobased to close the CO₂ cycle of the coverall



of CO₂ is emitted during production

This is the Flamebuster2 Eco Coverall. It is the redesign of an all-round work coverall for the company Trital Safety. The fabric of the Flamebuster2 Eco Coverall is made out of 100% hemp. This hemp fabric is 350 g/m² and has a plain weave, to make sure the coverall is strong and durable. The Flambebuster2 Eco Coverall is dyed eco-friendly, with a natural dye and by using a clean process. This significantly reduces the overall environmental impact of the coverall. The plastic parts of the coverall, zippers and studs, are made out of recycled PET. The patches on the sleeve of the coverall are digitally printed with sustainable ink. This reduces the impact and eliminates the need of producing and sewing on the patches.





In an app all **information** about a specific coverall is tracked and updated. The industrial laundries can update the **washing information** and repairs to the coverall, and Trital can track all this information to know when a new coverall is needed. The user also stays informed about the state of the coverall and gets information about the production and **End-of-Life options** of the coverall. By digitalising all this information, it becomes easier to create a **circular life cycle** for the Flambebuster2 Eco Coverall.

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Circular redesign of a work coverall
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MSc. Integrated Product Design

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