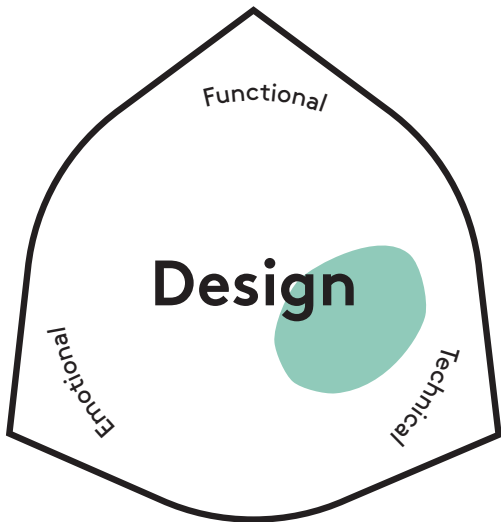


# Up-Cycling



# Up-Cycling

## WHAT?

To inject new and higher value to a used, and possibly discarded, product through design.

## WHY?

Cradle to Cradle considerations to minimise use of resources.

## CHALLENGES

- It can be difficult to ensure clean material fractions.
- Access to and development of up-cycling supportive technology are limited.
- It can be difficult to define what 'higher value' is.

## EXAMPLES

- Patagonia's fleece jumper is made of old plastic bottles (<https://www.patagonia.com/recycled-polyester.html>).
- The company, Econyl collects nylon waste and processes it into new fibers and products.
- In the initiative, Nike Grind old sneaker soles are transformed into turf surface material.
- The material Newspaperwood from Vij5 is made out of old compressed newspapers (<http://vij5.nl>).

## THIS CARD LINKS TO

/ Design for Disassembly / Mono-Material / Re-Use

## FURTHER READING

Cassidy & Han (2013). *Upcycling Fashion for Mass Production*, in: Gardetti & Torres (Eds.). *Sustainability in Fashion and Textiles: Values, Design, Production and Consumption*. Greenleaf Publishing, pp. 148–163  
/ McDonough & Braungart (2013). *The Upcycle: Beyond Sustainability—Designing for Abundance*, North Point Press.