

Durability & Reliability

01

Design durable, robust products with strong components and connections while simplifying the overall structure



AirEyeWear



What

AirEyeWear features a flexible frame to prevent breakage from accidental impacts.

Why

It exemplifies durability by addressing common eyewear failure points like drops and pressure.

How

The flexible frame absorbs shocks, extending product lifespan and reducing replacements.

Image source: AirEyeWear

01

Adaptability

02

Extend product lifecycle by designing modular, configurable products that adapt to users' evolving needs over time.



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Stokke Sleepi care



What

Stokke Sleepi Care is a modular product that transforms into different furniture pieces.

Why

Its reconfigurable design extends usability, adapting to a person's growth and needs.

How

It functions as a changing table, desk, and storage unit, maximizing long-term use.

Image source: Stokke-Sleepi care

02

Upgrade

03

Extend product lifecycle by enabling functional and aesthetic upgrades through modular, user-friendly hardware and software updates.



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Google Project ARA



What

Project ARA is a modular smartphone concept with replaceable and upgradeable components.

Why

It aims to extend device lifespan by allowing upgrades without replacing the whole phone.

How

Swappable modules like battery, screen, and camera enables customization and easy repairs.

Image source: Google

03

Maintenance

04

Ensuring functionality, preventing failures, and minimizing unplanned downtime through proactive maintenance.



La Sportiva



What

La Sportiva's Resole Platform Technology allows easy resoling of mountain boots.

Why

It extends product lifespan by replacing worn-out soles instead of entire boots.

How

Partner providers offer quick sole replacements, maintaining performance and reducing waste.

Image source: La Sportiva

04

Refurbish and Remanufacture 05

Extend or renew a product's lifecycle by refurbishing it to a like-new or fully functional condition.



Electrolux



What

Electrolux's refurbishment program restores and upgrades used products for customers.

Why

It extends product life, reduces waste, and enhances performance through component renewal.

How

Products are disassembled, analyzed, refurbished, upgraded, and returned to customers.

Image source: Electrolux

05

Reuse

06

To design a product that after its initial use cycle can be reused by different users to accomplish the same function.



RePack



What

RePack provides reusable and returnable packaging for online retailers and customers.

Why

It reduces packaging waste by enabling multiple uses before recycling.

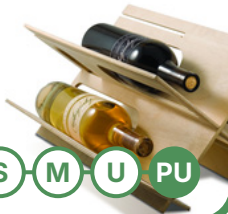
How

Customers return packaging via letterboxes, allowing up to 20 reuse cycles before recycling.

Repurpose

07

To design a product that after its initial use cycle can be (partly or fully) reused, by the same or a new user, to accomplish a different function.



Tresdon Wine



What

Tresdon Wine's wooden packaging transforms into a reusable wine rack.

Why

It extends material lifespan, reducing waste by encouraging secondary use beyond packaging.

How

Durable wood and adaptable design allow easy repurposing, minimizing environmental impact.

Image source: Tresdon Wine

07

Minimize Material Content

08

Reducing the total amount of material used in a product without compromising its function.



IKEA

Air series



What

IKEA Air series is an inflatable sofa using significantly less material than traditional sofas.

Why

It reduces resource consumption, lowering environmental impact through material efficiency.

How

Air-filled PE cells replace bulky materials, cutting usage by 85% while maintaining function.

Image source: IKEA

08

Use Renewable ⁹⁹ Materials

Choosing materials that can regenerate naturally within a short timeframe.



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Connor Bicycles



What

Connor Wood Bicycles use sustainably sourced ash and walnut wood for bike frames.

Why

Wood is a renewable resource, reducing reliance on metal and lowering environmental impact.

How

Reinforced with Kevlar and aluminum, the frame ensures durability while using natural materials.

Image source: Connor

09

Use Renewable **10** Energy Sources

Designing products that operate using clean, renewable energy.



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Husqvarna Solar mower



What

A solar-powered smart mower operates autonomously with low energy consumption.

Why

It reduces reliance on fossil fuels, decreasing emissions and environmental impact.

How

Solar panels provide continuous power, enabling efficient, emission-free lawn maintenance.

Image source: Husqvarna

10

Timeless Aesthetic Appeal

11

Use timeless, simple, and functional design to keep products attractive and extend their lifecycle without becoming obsolete.



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Frolic Studio Speaker 4#



What

A speaker with timeless shapes, ceramic body, and a brass top for lasting beauty.

Why

Classic design and high-quality materials ensure long-term aesthetic appeal and user appreciation.

How

Ceramic offers durability, while brass develops a patina, enhancing character over time.

Image source: Frolic Studio

Emotional Durability

12

Design products that foster lasting emotional connections, encourage personalization, and emphasize uniqueness over standardization.



Freitag Bag



What

Users customize bags by selecting specific tarpaulin sections, making each bag unique.

Why

Personalization strengthens emotional attachment, encouraging longer product use and reducing waste.

How

Unique designs create personal meaning, fostering a lasting connection and extended lifespan.

Image source: Freitag