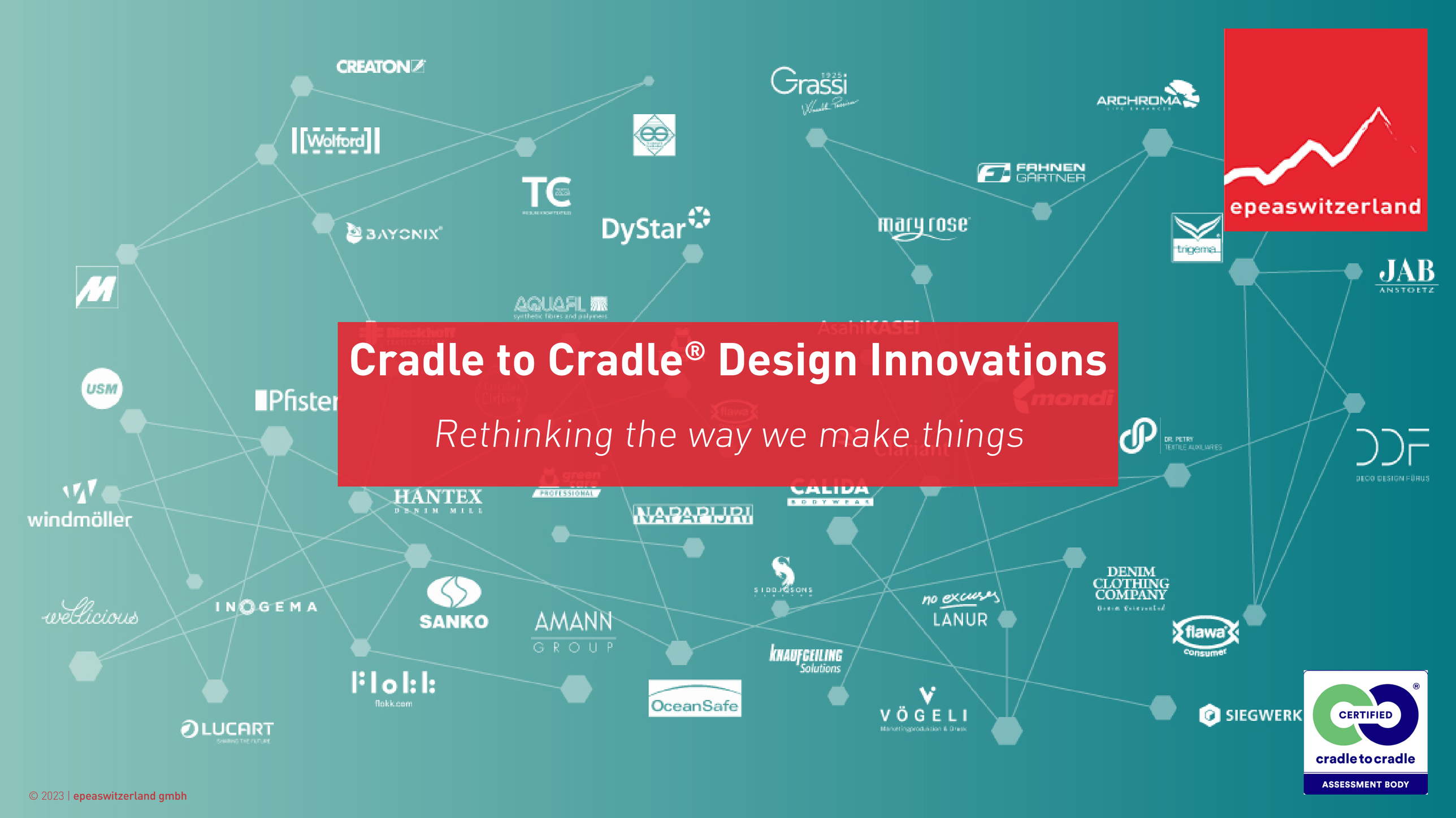

Cradle to Cradle® Design Innovations

Rethinking the way we make things

CERTIFIED cradle to cradle ASSESSMENT BODY

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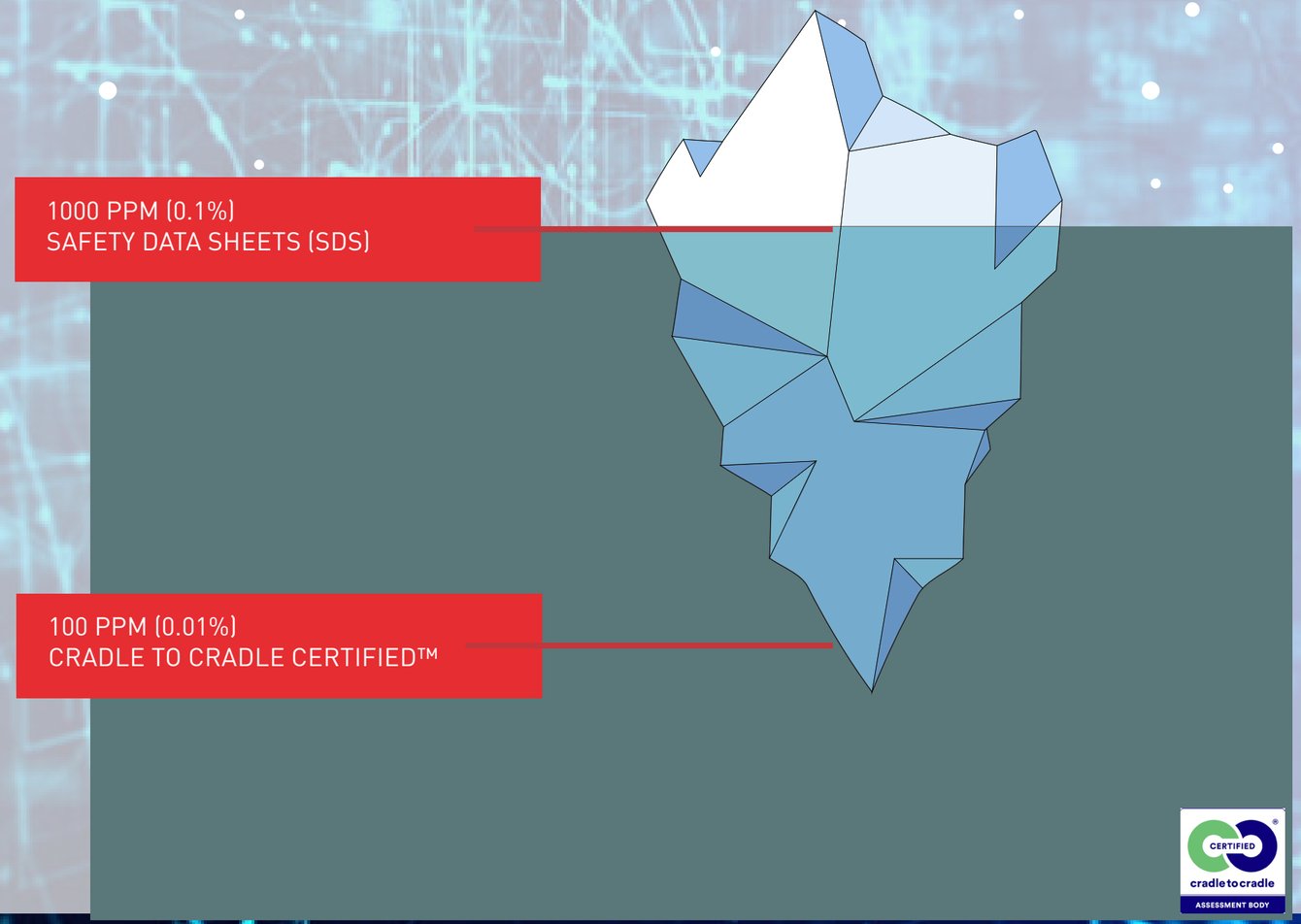
Roles of epeaswitzerland

Knowledge Trustee

→ **Transparent Supply Chain**
- Transparent Network
- Transparent Products

Innovation Trustee

Accredited Certification Assessment Body



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Roles of epeaswitzerland

Knowledge Trustee

→ **Material Health Assessment**

- Based on Science
- Goal – Best quality of raw materials, chemicals & ingredients

Innovation Trustee

Accredited Certification Assessment Body

ABC-X Categorisation

Category	Description
A	The material is ideal from a Cradle to Cradle perspective for the product in question.
B	The material supports largely Cradle to Cradle objectives for the product.
C	Moderately problematic properties of the material in terms of quality from a Cradle to Cradle perspective are traced back to the ingredient. The material is still acceptable for use.
X	Highly problematic properties of the material in terms of quality from a Cradle to Cradle perspective are traced back to the ingredient. The optimization of the product requires phasing out this ingredient or material.
GREY	This material cannot be fully assessed due to either lack of complete ingredient formulation, or lack of toxological information for one or more ingredients.
Banned	BANNED FOR USE IN CERTIFIED PRODUCTS This material contains one or more substances from the Banned list and cannot be used in a certified product.

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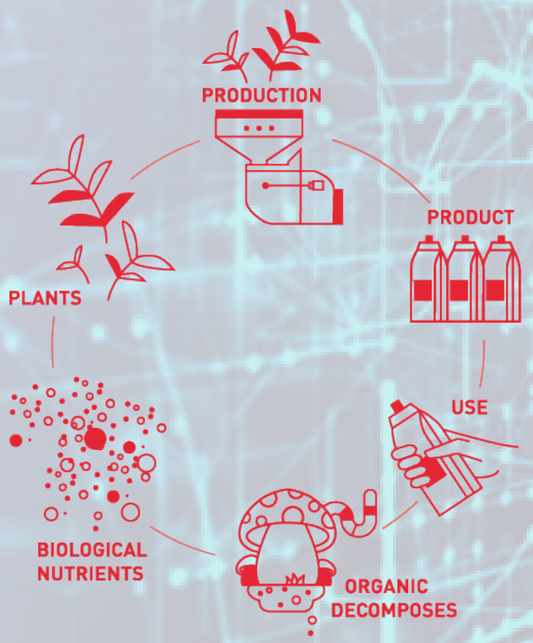
Roles of epeaswitzerland

Knowledge Trustee

→ **Creating Circular Networks**
- Closing the Loop
- Reintegration in Industry

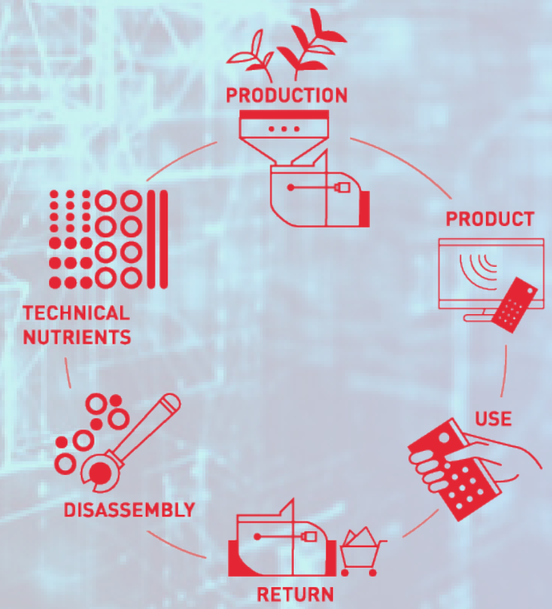
→ **3rd Party Assessment Audit**
- Supply Chain Verification
- Energy, Water, Social
- Circularity
- Materials, Chemicals, Colors

Innovation Trustee



Consumer Goods in
BIOLOGICAL SYSTEMS

Accredited Certification Assessment Body



Service Products in
TECHNICAL SYSTEMS

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Roles of epeaswitzerland

Knowledge Trustee

Innovation Trustee

Accredited Certification Assessment Body

www.c2ccertified.org

→ C2C Certified Material Health Certificate™

→ Cradle to Cradle Certified®

materials are safe for humans and the environment

enabling a circular economy through regenerative products and process design

protecting clean air, promoting renewable energy, and reducing harmful emissions

respecting human rights and contributing to a fair and equitable society

safeguarding clean water and healthy soils

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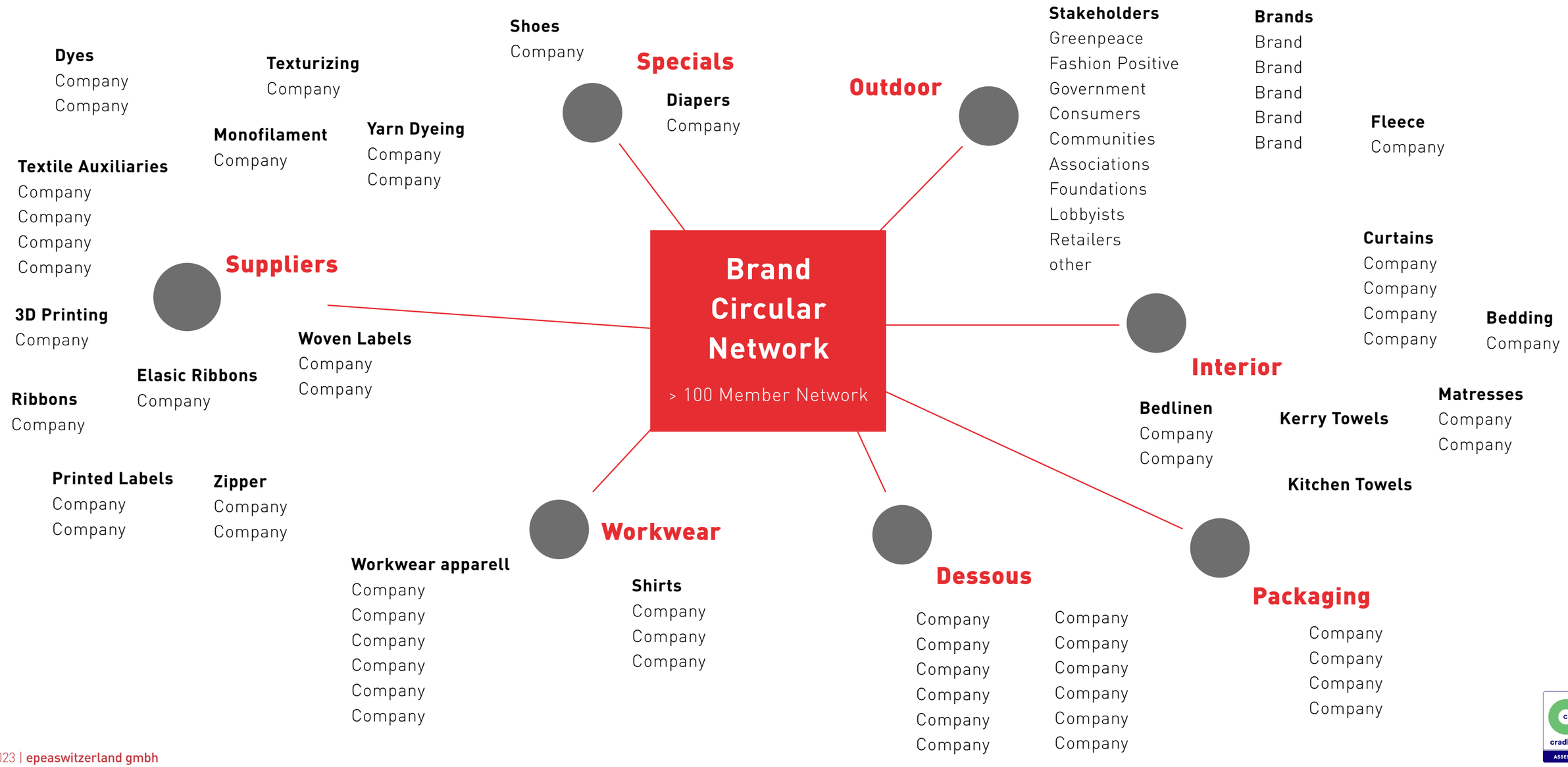
Network Management Supply Chain – Brand – Circular Networks



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Network Management Supply Chain – Brand – Circular Networks

1

NAPAPIJRI

Visit Website

2

Certify Circular Series Hero Product

Achieve the C2C Certified®
Certification on Infinity jacket

Build a transparent supply chain from certified product

- Build on the C2C Certified® Certification
- Brainstorm all needed components to freely expand the infinity family
- Bring the supply chain together to collaborate
- Develop innovations in c2c mindset
- Achieve the C2C Certified® Certification on Polyamide6 with integrated supply chain

Cradle to Cradle Certification

Future Proofing Certification

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Network Management Supply Chain – Brand – Circular Networks

NAPAPIJRI

Visit Website

Collaborated with a global network of 47 suppliers from Tier 4 to Tier 1 to ensure product materials were optimized for C2C Certified®

TIER 4
Molding, Materials, Chemicals, Dyes, Recycling, Take Back

TIER 3
Fabrics, Yarn, Dyeing, Finishing, Plastic Molding

TIER 2
Fabrics, Trims

TIER 1
Apparel Manufacturing

=

CERTIFIED cradle to cradle GOLD

All products coming from same supply chain are certified.

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Network Of Trust

Reference Modell Cradle to Cradle

Supply Chain Domino Knowledge Transformation™

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Supply Chain Domino Knowledge Transformation™

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Supply Chain Domino Knowledge Transformation™

Supply Chain Domino Knowledge Transformation™
- Tier 1, Tier 2, Tier 3, Tier 4 Suppliers
- 02 restricted substances list
- 04 BOM (Bill of Materials) > 100 ppm
- Scientific Material Health Assessment ABC-X
- Phase Out, Optimization
- Implementation in Production
- Verification for Cradle to Cradle Certified®

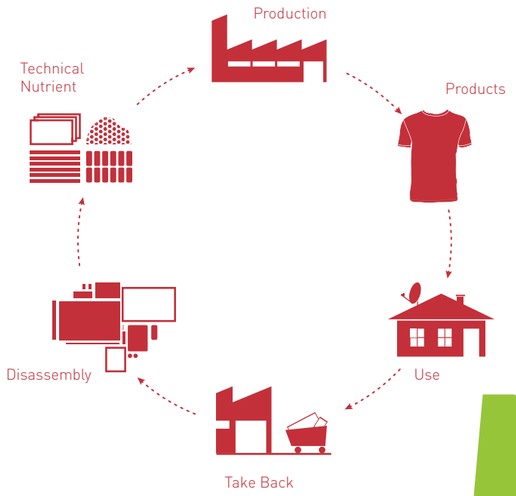
TRANSPARENT SUPPLY CHAIN

CLOSING THE LOOP

- Design for Disassembly
- Modifications of Materials for Reintegration into the Supply Chain or other Industries
- Integrate Business Model into Supply Chain
- Integrate Materials into Supply Chain

TAKE BACK CONCEPT

- Implementation Take Back Concept
- Logistics - Collecting Systems
- Integrate Business Model



PRODUCTION

- Audit / Site Visit (last Manufacturing Stage)
- 02 restricted substances list
- 04 BOM (Bill of Materials) > 100 ppm
- Verification for Cradle to Cradle Certified®
- Scientific Material Health Assessment ABC-X
- Phase Out, Optimization
- Verification for Cradle to Cradle Certified®

PRODUCT

- Defining Purpose of Product
- Determing the Metabolism: biological or technical
- Definition Areas of Innovation (chances/risks)
- Development of Product Criterias & Product Purposes
- Reference Model Cradle to Cradle™
- Design for Disassembly
- Positive List of Materials Implementation
- Product Design Implementation
- Closing the Loop Scenario Strategy (Circularity)

MARKETING / BUSINESS MODELLS

- Cradle to Cradle Certified® Certification (Yes/No)
- Business Model for a Circular Economy
- Consumer Behaviour towards Circularity
- Marketing Focus
- Financial Investments
- After Sales Services

CONSUMER USE PHASE

- Consumer Communication
- Consumer Behaviour
- Give it Back after Use
- Consumer Incentives

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Contact Link: **www.c2ccertified.org**

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The C2CPII accredited epeaswitzerland gmbh as general assessment body.

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