

Cradle to Cradle® Design Innovations

Rethinking the way we make things



The 3 Cradle to Cradle® Principles



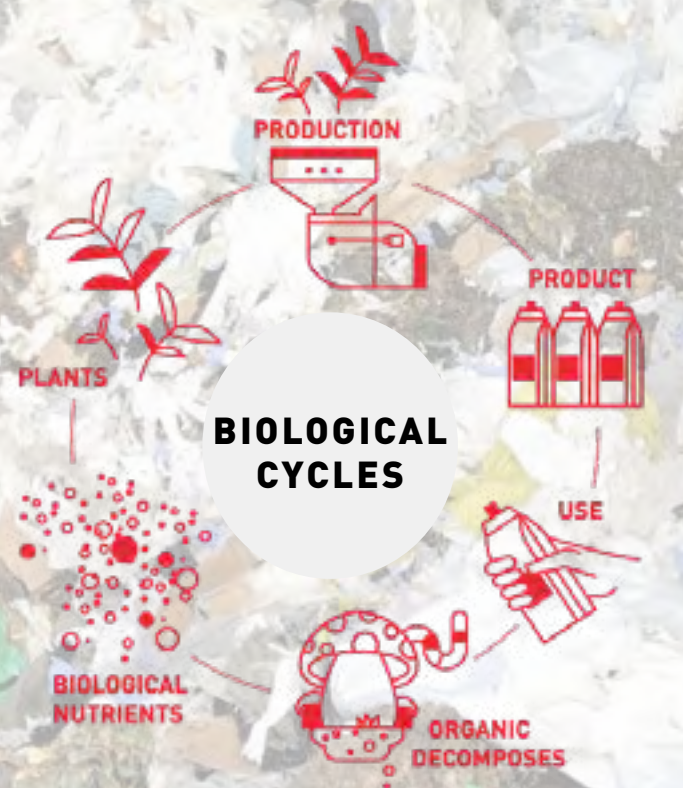
Cycle

WASTE=FOOD

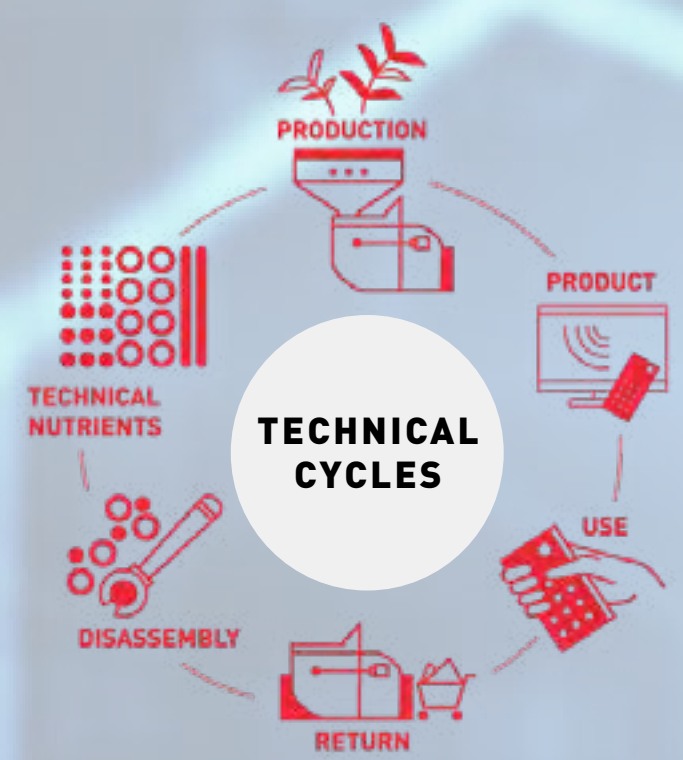
Energy

USE OF RENEWABLE RESOURCES

Diversity



**CYCLE:
WASTE = FOOD**



The 3 Cradle to Cradle® Principles



Cycle

WASTE=FOOD

Energy

USE OF RENEWABLE RESOURCES

Diversity

ENERGY: USE OF RENEWABLE RESOURCES

Hydropower

Bio
Energy

Geothermal
Energy

Wind
Energy

Solar
Energy



The 3 Cradle to Cradle® Principles



Cycle

WASTE=FOOD

Energy

USE OF RENEWABLE RESOURCES

Diversity

DIVERSITY



epeawitzerland

Politics takes Action



European Commission

ec.europa.eu/commission/presscorner/detail/en/ip_22_1145 Aktualisieren

An official website of the European Union How do you know?



English EN

 Search

Home > Press corner > Corporate sustainability due diligence

Available languages: English

Press release | 23 February 2022 | Brussels

Just and sustainable economy: Commission lays down rules for companies to respect human rights and environment in global value chains

A Network of Trust™



Roles of epeaswitzerland

Knowledge Trustee

→ Transparent Supply Chain

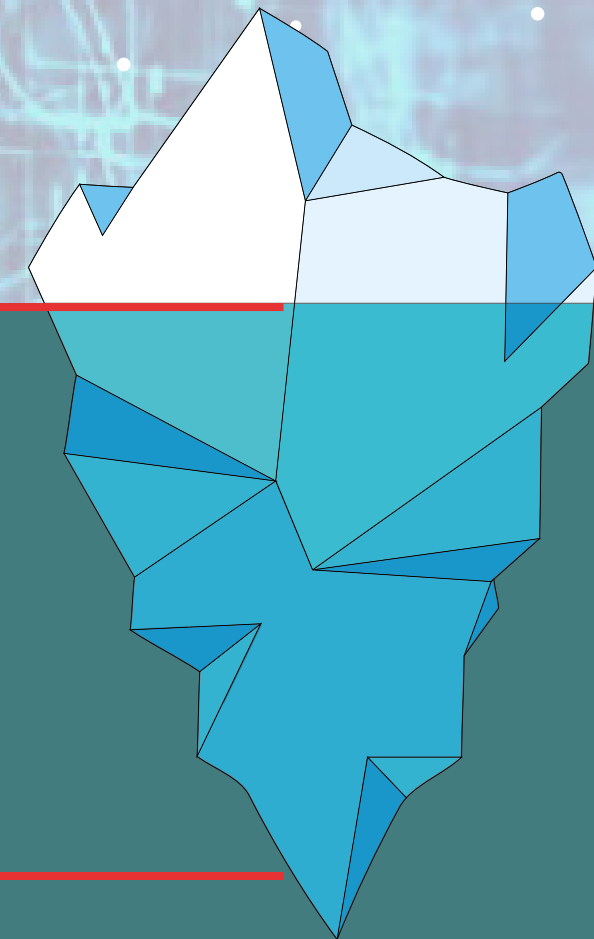
- Transparent Network
- Transparent Products

Innovation Trustee

Accredited Certification Assessment Body

1000 PPM (0.1%)
SAFETY DATA SHEETS (SDS)

100 PPM (0.01%)
CRADLE TO CRADLE CERTIFIED™



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 toxicological 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.

Roles of epeaswitzerland

Knowledge Trustee

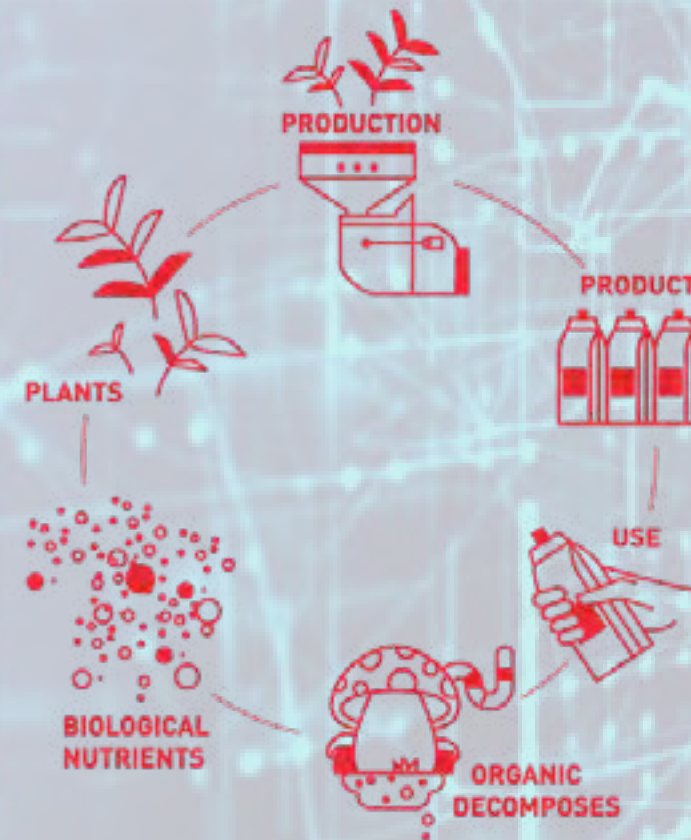
→ Creating Circular Networks

- Closing the Loop
- Reintegration in Industry

→ 3rd Party Assessment Audit

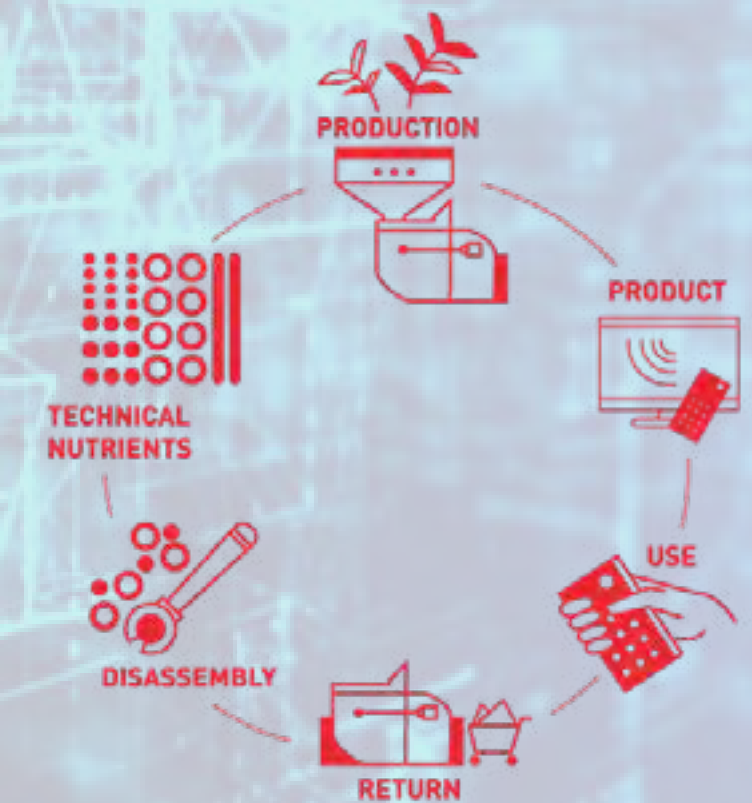
- Supply Chain Verification
- Energy, Water, Social
- Circularity
- Materials, Chemicals, Colors

Innovation Trustee



Consumer Goods in **BIOLOGICAL SYSTEMS**

Accredited Certification Assessment Body



Service Products in **TECHNICAL SYSTEMS**



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

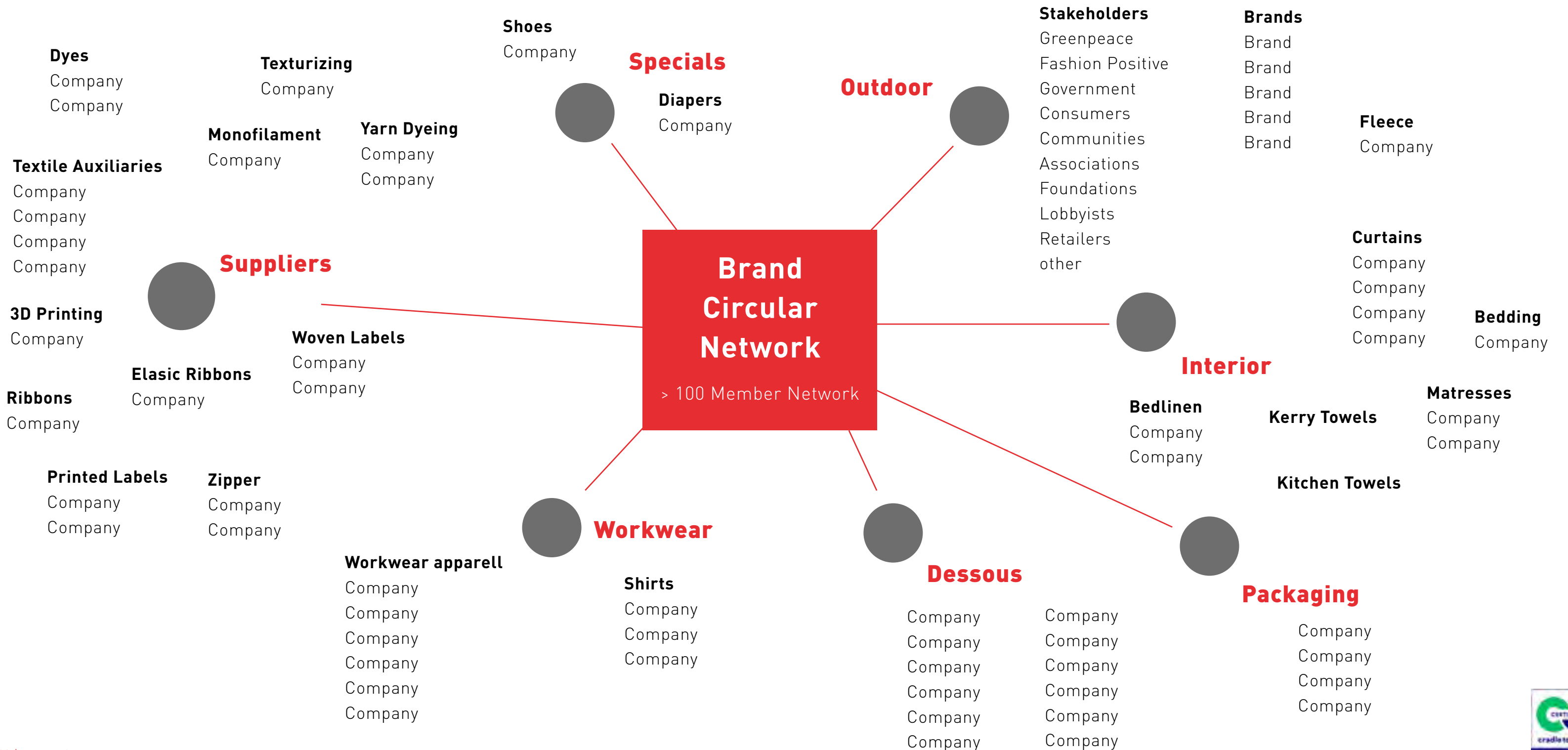


safeguarding clean water and healthy soils





Network Management Supply Chain – Brand – Circular Networks



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



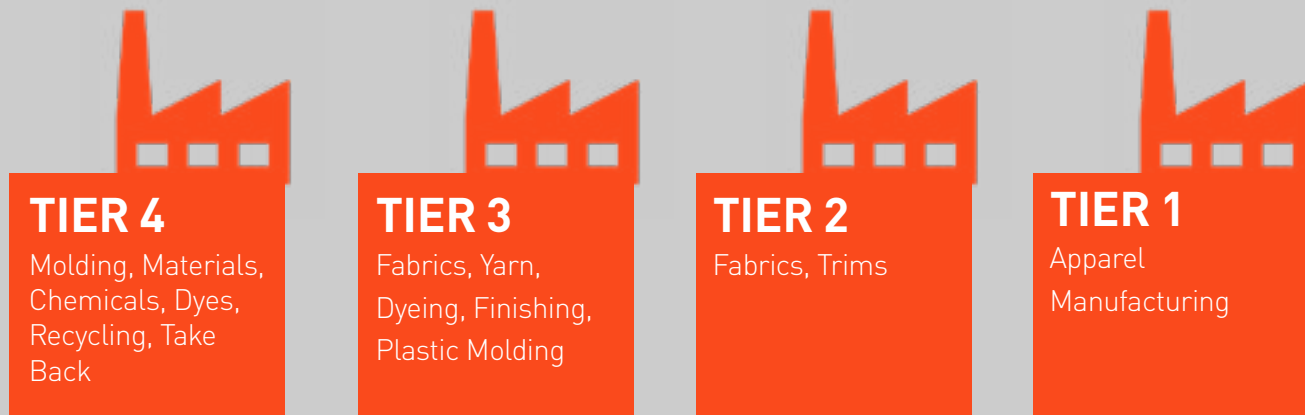
Future Proofing
Certification

Network Management Supply Chain – Brand – Circular Networks



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®



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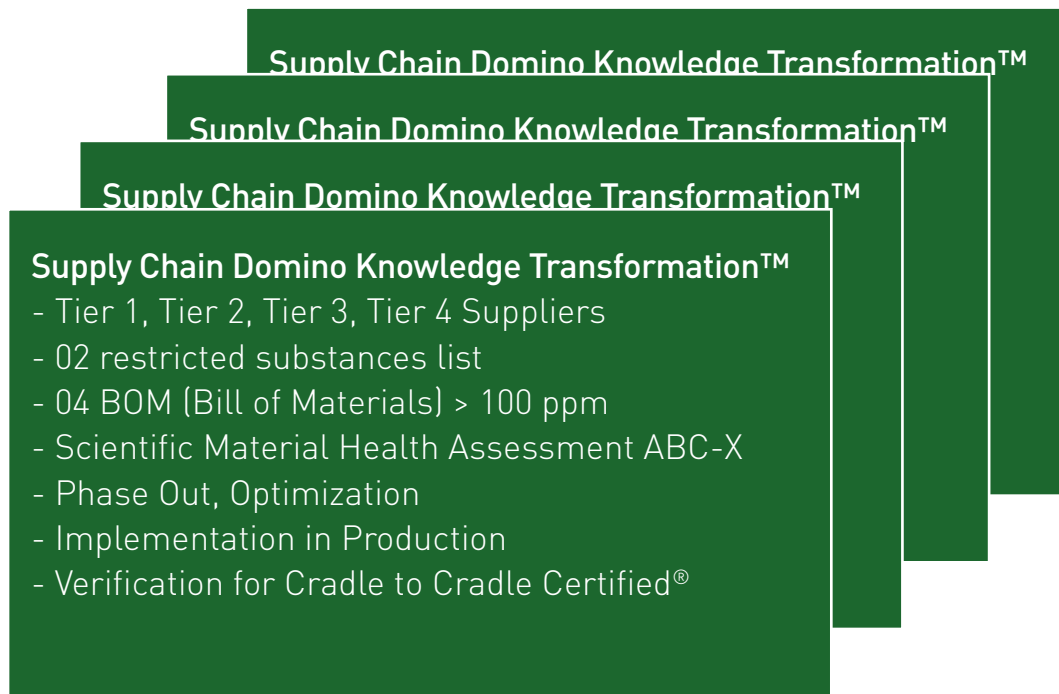
All products coming from same supply chain are certified.



Reference Modell Cradle to Cradle

Supply Chain Domino Knowledge Transformation™

a trademark of epeaswitzerland gmbh



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

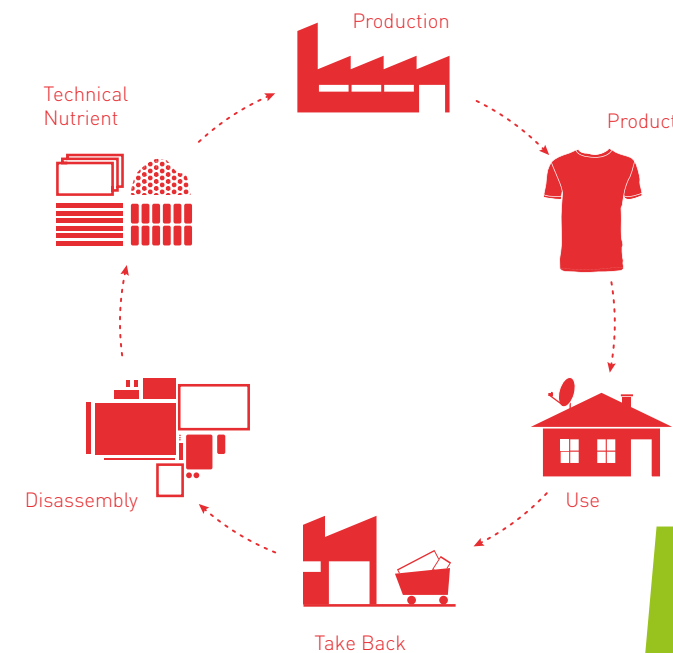
TRANSPARENT SUPPLY CHAIN

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



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



cradle to cradle
products
innovation
institute

THE STANDARD

→ Certified Products
→ Resources

GET CERTIFIED

OUR COMMUNITY

THE INSTITUTE

Topics & Sectors ▾ Menu ☰

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Work Wear, Apparel made from vinatur® Textiles

KARL DIECKHOFF GMBH & CO KG

CERTIFIED
cradle to cradle
SILVER

Silver Version 3.1

Certification Number: 4953

Valid until: 24 Jun, 2023





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Green Care Professional Cleaning & Care

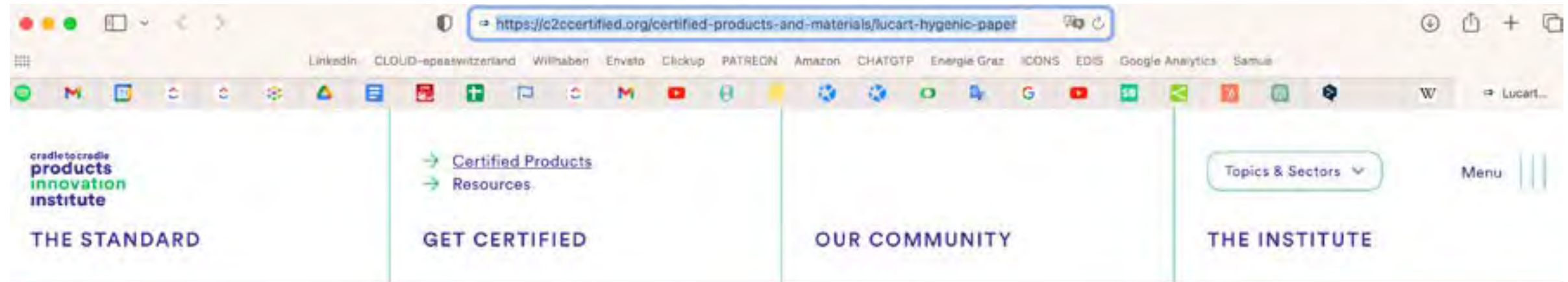
TANA-CHEMIE GMBH AND WERNER & MERTZ GROUP

CERTIFIED
cradle to cradle
GOLD

Gold Version 3.1

Certification Number: 5753
Valid until: 30 Jun, 2024





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Lucart Hygienic Paper

LUCART SAS



Bronze Version 3.1

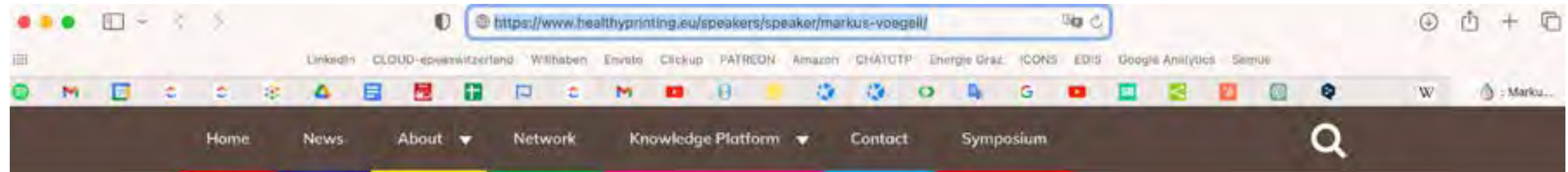
Certification Number

4791

Valid until:

06 Jul, 2023





Home > Markus Vögeli



Vögeli AG
Markus Vögeli
CEO



English

The family-run SME Vögeli AG offers since its founding environmentally friendly print and marketing products. In 2016, we decided to go one step further. For more than 2 years now, we have been the first printing company in Switzerland to offer Cradle to Cradle certified print products.

Deutsch

Das familiengeleitete KMU Vögeli AG bietet seit jeher umweltschonend produzierte Druck- und Marketingzeugnisse an. 2016 entschieden wir uns, noch einen Schritt weiterzugehen. Seit nun mehr als 2 Jahren bieten wir als erstes Druckunternehmen der Schweiz Cradle-to-Cradle-zertifizierte Druckprodukte an.

Website: www.voegeli.ch





The screenshot shows a web browser window with the URL <https://c2ccertified.org/certified-products-and-materials/circular-stand-up-pouch>. The browser's address bar and tabs are visible at the top. The website header includes the Cradle to Cradle logo and navigation links: 'THE STANDARD', 'GET CERTIFIED' (with sub-links for 'Certified Products' and 'Resources'), 'OUR COMMUNITY', and 'THE INSTITUTE'. A 'Topics & Sectors' dropdown menu and a 'Menu' icon are also present.

Circular Stand-up Pouch

WERNER & MERTZ GMBH / WERNER & MERTZ GROUP

CERTIFIED
cradle to cradle
GOLD

Gold Version 3.1

Certification Number: 4960
Valid until: 19 Jul, 2023



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CH-8806 Bäch / SZ
www.epeaswitzerland.com

Contact Link: www.epeaswitzerland.com

Contact Link: www.c2ccertified.org

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The C2CPII accredited epeaswitzerland gmbh as general assessment body.

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