



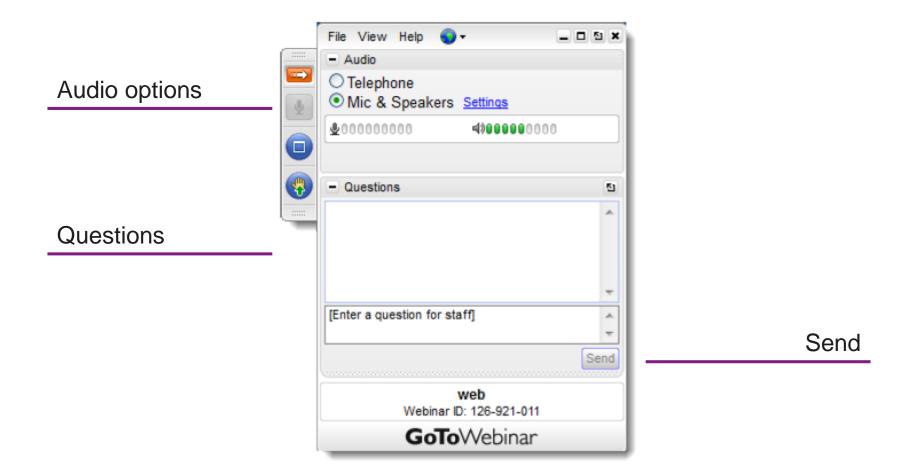


We will start in 2 minutes!

Welcome to a joint webinar of EPEA GmbH and thinkstep AG

Intro to GoTo Webinar













Founder & CEO EPEA GmbH



Carsten Haeling

Senior C2C consultant EPEA GmbH



Dr. Martijn Gipmans

Team Lead Chemicals thinkstep AG





WHAT IS CRADLE TO CRADLE?

Mindset



Cradle to Cradle® Paradigm – 3 Principles







Nutrients are nutrients







Use of renewable energy







Celebrating diversity

Developing beneficial elements



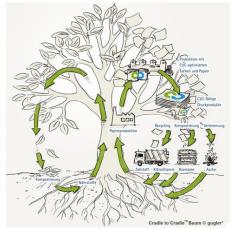
Biological & Technical Nutrients



Product examples

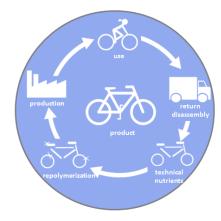


















daas baksteen

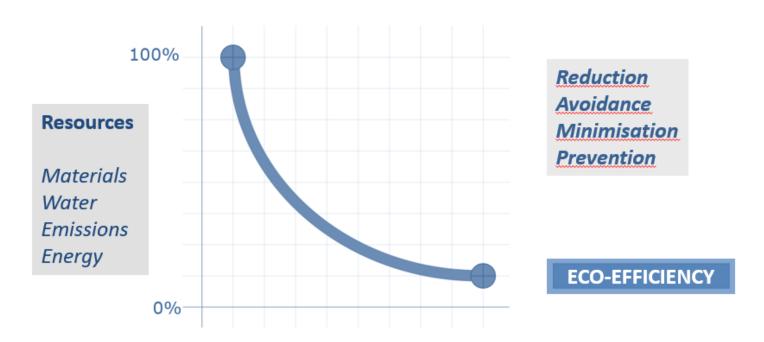


DIFFERENCE BETWEEN CRADLE TO CRADLE AND CRADLE TO GRAVE APPROACH

12

CRADLE TO GRAVE

TARGET IS ZERO HARMFULNESS



Efficiency Thinking



Efficiency Thinking

CO₂ NEUTRAL?

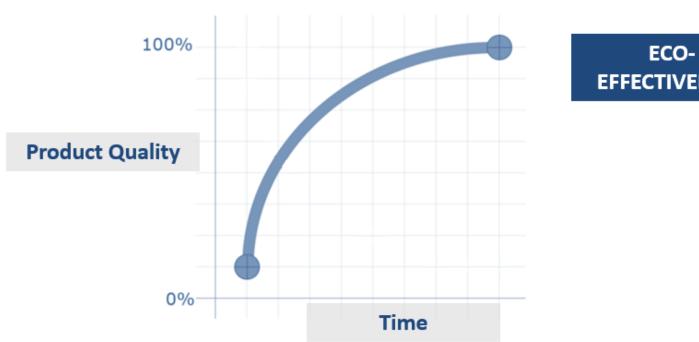






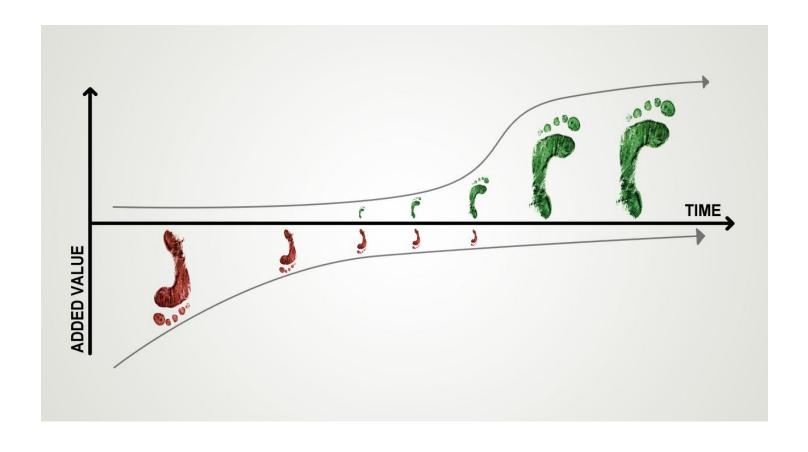
CRADLE TO CRADLE®

ALL-ENCOMPASSING QUALITY AND USEFULNESS



EFFECTIVENESS

Eco-effectiveness & Eco-efficiency



EPEA - The Cradle of Cradle to Cradle



Founded 1987 by Professor Dr. Michael Braungart

International consulting- and research institute

Head office Hamburg

About 22 officies and representatives on four continents

interdisciplinary and international team of scientists and engineers

EPEA Worldwide



EPEA Brazil



EPEA Netherlands



EPEA France



EPEA Switzerland



EPEA Taiwan



EPEA Turkey



Representatives

http://epea.com/en/epea-international-offices/representatives

EPEA Offerings



COMMUNICATION

- Cradlebility™ Report
- · Quality Statement



ANALYSIS

- · C2C* Ouickscan
- · C2C* Material Assessment
- · Feasibility Study



- · Strategy Development
- Roadmaps





OPTIMIZATION

- · C2C^e Consulting
- · System and Product Innovation
- · Workshops & Trainings

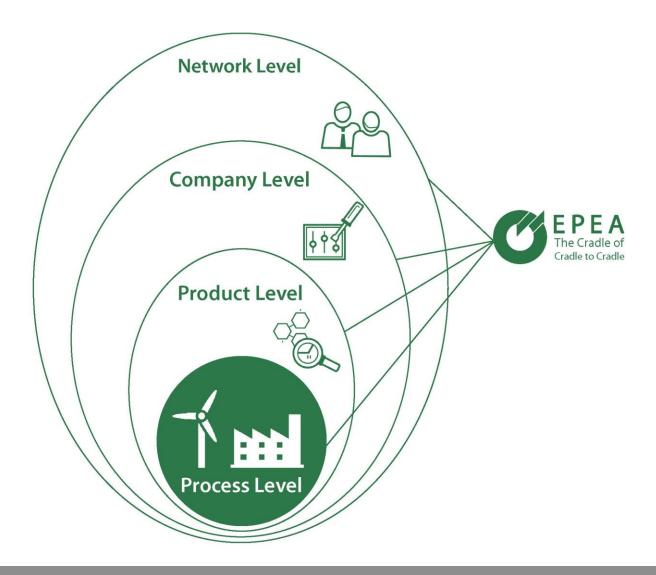


ACCREDITATION

- C2C Certified™
- Material Passports

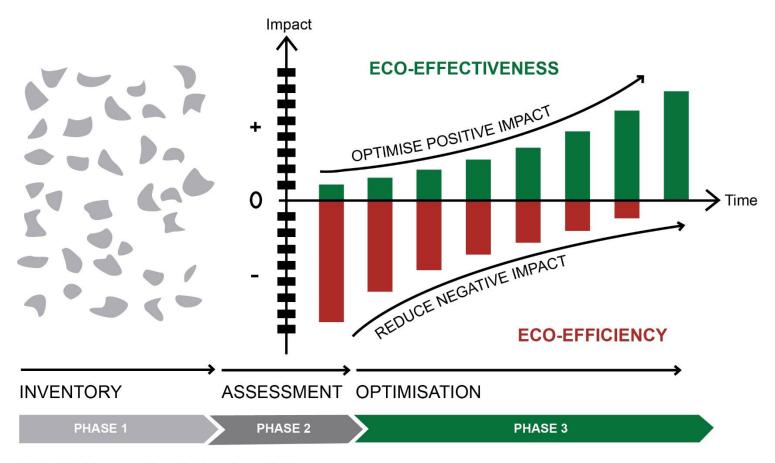
Towards a business transformation

The implementation of Cradle to Cradle needs to take place on several levels



Cradle to Cradle® Design process

Cradle to Cradle® DESIGN PROCESS

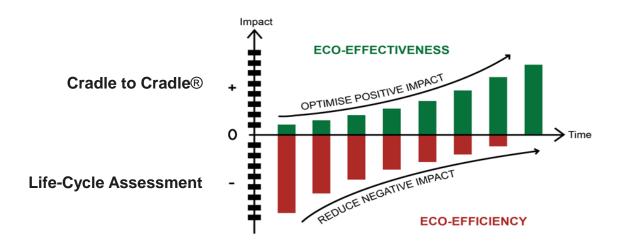


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Combining LCA and C2C







- Apply a product innovation concept that incorporates true design for circularity.
- Avoid shifting of burdens between and across life-cycle or within supply chain.
- Take a stronger precautionary approach to material and substance compliance – design for future-proof compliance.
- Take energy, water and carbon footprint of product alternatives into account.

Combined offerings





Although our cooperation just started, we already have some valuable combined offerings that enable you to kick-start Cradle to Cradle® product innovation:

Joint Cradle to Cradle® & LCA strategy workshop

Cradle to Cradle® Banned List Screener

Cradle to Cradle® QuickScan

Combined EPD and C2C quality/material health statement

Cradle to Cradle Certified™ certification

Joint strategy workshops





Goals:

- familiarize with both C2C and LCA
- identify and describe opportunities and synergies for integrating Cradle to Cradle and LCA approaches at company and/or product level.
- identify new roads for product innovation

Dates: Correction: June 19!

- Berlin, June 20
- Copenhagen, June 27

Details:

- 1 EPEA & 1 thinkstep consultant
- € 750,- / participant

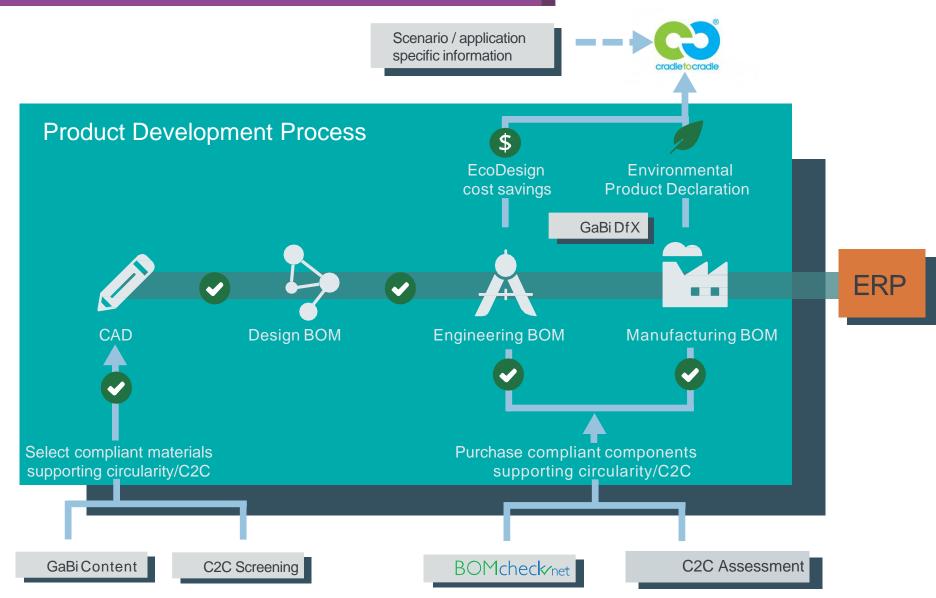




Design 4 Compliance & Circularity



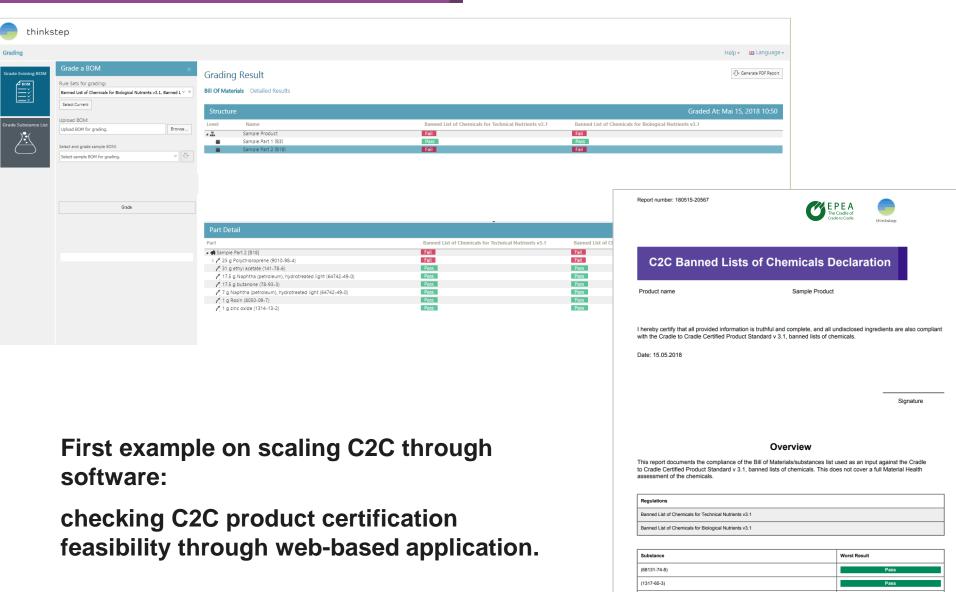




C2C Banned List Screener







Combined EPD & C2C quality statement





Work jointly with the two market-leaders: EPEA - the cradle of Cradle to Cradle and thinkstep – the no. 1 market leader in EPD solutions worldwide.

EPD

declare the product life cycle's environmental profile in a standardized format (ISO 14025)

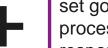
provide quantitative information on relevant environmental impacts (e.g. raw material, energy use and efficiency, emissions, waste generation)

used as a data source in full building Life Cycle Assessment studies

asked for by green building certification bodies

Cradle to Cradle

design products to the principles of an ideal circular economy



set goals for renewable energy, clean process water and improved social responsibility

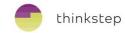
assess Material Health and Material Reutilization potential of a product

increasingly used as requirement for buildings and building materials

Compile your EPD and Cradle to Cradle® quality statement in one project!

Combined EPD & C2C quality statement





- Have one point of contact for both objectives
- Joint data collection save time and assure consistency
- Benefit from automation-focused software solutions – let us discuss your needs
- Be prepared for green building projects
- Learn from both perspectives and step into product optimization with us









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