Closing The Loop

Roy Vercoulen

Vice President
Head of European Operations

October 2nd, 2013

Imagine a World ...



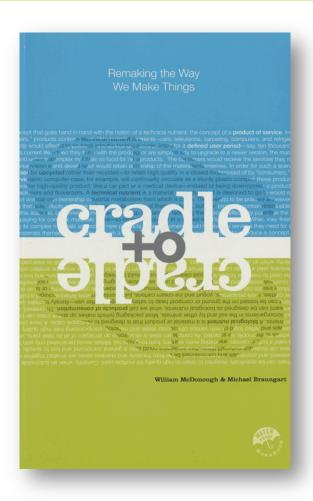
... Where consumption is a good thing

Shift The Mindset To Positive

Designing for Positive Impacts

Origins of Cradle to Cradle





Design For Eco-Effectiveness

- Deal directly with the issue of maintaining resource quality and productivity trough many cycles of use, rather than seeking to to eliminate waste
- Transform products and material flows, so they form a supportive relationship with ecological systems and future economic growth
- Enable materials to maintain their status as resources and accumulate intelligence over time

Modeled After Nature

Eco-Efficient

- Minimize toxic chemical use
- Aim for zero waste
- Shrink carbon footprint
- Reduce water use and emissions
- Avoid human rights violations

Eco-Effective

- Healthy for people and planet
- All 'waste' is nutrient for industry or nature
- Sequesters carbon and cleans air
- Filters and replenishes water systems
- Flourishing communities

Cradle to Cradle® Principles

Waste equals food Everything is a nutrient for something else

Use current solar income

Use only renewable energy sources

Celebrate diversity

Biodiversity

Cultural diversity

Conceptual diversity

Vision to Reality

- The Cradle to Cradle Certified^{CM} Products Program
- 15 years
 private
 development with
 many of the
 world's top brands



Vision to Reality

CRADLE TO CRADLE PRODUCTS INNOVATION INSTITUTE

- Private recognition system becomes independent, public, third-party certification system
- "Transferred into the public domain to become a public good so there can be lots of people who do what we do."

William McDonough



About the Institute



About the Institute



Funding

Bridge funding is provided by foundations and individuals. Self-sustaining revenues will result from training programs and certification (€ 2.000, - / € 500, -) and licensing fees.

Organization

The Institute is governed by an independent board of directors and is headquartered in San Francisco, California, with field-offices in Venlo and Amsterdam.

Initial Support

Initial support has been provided by the Dutch National Postcode Lottery and the Schmidt Family Foundation, established by Wendy and Eric Schmidt.





Company Quotes

We know this works. Our earnings have gone up nine-fold between 2007 and 2010. | DESSO

Although it takes intellectual capital to go figure out the chemistry about the different materials we use, by the time we get done with the process, it is less expensive for us to produce and develop a Cradle to Cradle Certified product than (it is) what we did historically. | HERMAN MILLER

The certification is the highly valued crown on our work that helps us distinguish our value proposition in the marketplace. | VAN HOUTUM

Cradle to Cradle Certified Program provides a critical platform for transparency around the material health of our products. | MICRO-PAK

Project-Goal

The Institute is researching the impacts of the certification program to better understand and showcase the benefits of pursuing Cradle to Cradle product certification. The key research question is "What are the actual and quantifiable impacts of pursuing Cradle to Cradle product certification on business, society, and the environment?" The research will identify and measure actual impacts and actual added value for business, nature, and society.

Impact Study













Steering Committee

Scientific review

Stakeholder Review

Assess and value product level environmental impacts based on Trucost EKPIs and incorporating Cradle to **Cradle Certified products program**

Assess quality product & process based on C2C criteria

Social evaluation based on Social Hotspot Database

Business evaluation based upon conventional economics indicators (KPI's) and company interviews

Company level analysis

Evaluation of C2C brand benefit

Participating Companies

Company	Product	Comment/status
AGC Glass Europe	Planibel blue float glass	Data provided, analysis underway
Aveda	Invati shampoo	Data provided, Analysis underway
Construction Specialties	Acrovyn 4000 profile	Data provided, Analysis underway
Desso	Ecobase Airmaster	Data provided for product, site and company pre and post optimisation. Analysis underway
Ecover	Multi Daily	Data provided, Analysis underway. Limited social and financial data due to recent launch.
Mosa	Global wall tile	Data provided for product. Analysis underway.
Puma	Incycle mens basket footwear	Data provided, analysis underway. Limited social and financial data due to recent launch.
Shaw	EcoWorx tile	Data provided , Analysis underway
Steelcase	Node chair	Data provided , Analysis underway
Van Houtum	Satino black paper towel	Data provided , analysis underway

Children's Products Contain Harmful Chemicals Associated with Cancer, Hormone Disruption



SundayReview | The Opinion Pages

WORLD U.S. N.Y. / REGION BUSINESS TECHNOLOGY SCIENCE HEALTH SPORTS OPINION ARTS STYLE TRAVEL JOBS REALESTATE AUTOS

Where Do Old Cellphones Go to Die?



Jane Hahn/European Pressphoto Agency

Computer parts line the ground at a dump site in Agbogbloshie, a suburb of Accra, Ghana.

By LEYLA ACAROGLU Published: May 4, 2013



its population. Jordan not only has one of the lowest levels of water available per capita in the world and it has already been forced to tap into its "non-renewable water resources from fossilized deep-water aquifers," according to the World Health Organization (WHO).

Pope condemns 'slave labor' conditions in collapsed Bangladesh factory



Gabriel Bouys / AFP - Getty Images

Pope Francis looks on after his weekly general audience in St Peter's Square at the Vatican on May 1, 2013. Pope Francis urged political leaders to make every effort to create jobs and said unemployment was caused by economic

The Certified Product Standard



Categories based on Cradle to Cradle principles

A combination of product metrics and company metrics

Certifying both intent and achievement

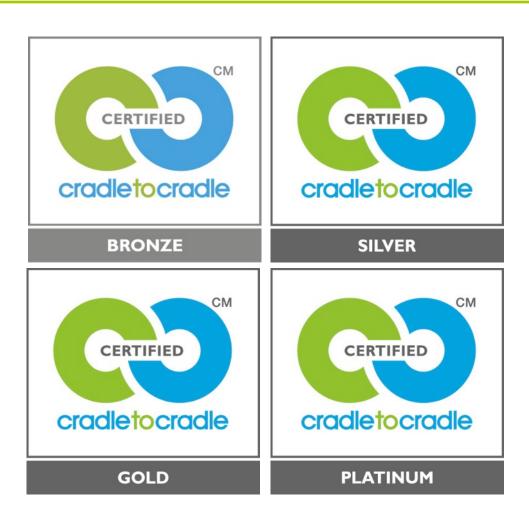
Categories Based on Principles

Select safe and healthy materials Health Eliminate the concept of waste Material Reutilization Power with abundant clean energy Renewable Energy Protect water as a precious resource Water Stewardship Respect human and natural systems Social Fairness

Continuous Improvement

Provisional





Note: Cradle to Cradle Certified[™] is a certification mark exclusively licensed to C2CPII

The product certification process

Visit c2ccertified.ora to review the certification program overview and choose an accredited assessor who will review your product's preliminary information and respond with a comprehensive certification plan: timeline, estimated cost, trademark licensing considerations, and clearly assigned responsibilities for all aspects of data collection and assessment.

ANALYZE Work with your assessor to establish what is in your product, how it is made, and what happens to it at the end of use. You will complete the product's Bill of Materials, optimization plans, and other documentation - usually with non-disclosure agreements in places between the assessor, your company, and your suppliers.

ASSESS follows the guidelines in the product standard to evaluate in detail the composition of product ingredients and manufacturing processes. This includes a site visit to the final manufacturing/ assembling facilities and the completion of an Assessment Summary Report to be submitted to the Cradle to Cradle Products Innovation Institute for review.

Products that meet the criteria receive the Cradle to Cradle Certified hallmark at a specified level of achievement. You will be asked to sign the Institute's Trademark License Agreement to guide your use of the mark on the product and marketing materials. Your product will be added to the online product registry and circulated to the Institute's network of like-minded product listings. The Institute team is on hand to support your marketing efforts.

RENEW
Companies must
maintain the certification
by updating product
and process data, as
well as showing good
faith efforts to make
continuous improvement
in all criteria categories.

A Platinum Product

- All chemicals assessed, no "x"
- Product materials actively returned to industry or nature
- 100% of purchased electricity and direct on-site emissions are renewably sourced or offset
- All water leaving manufacturing facility meets drinking water quality standards
- The company actively conducts innovative social projects that positively impacts employee's lives, the local community, global community, social aspects of the product's supply chain



Certifications to Date

515 certifications issued Total

180 companies

32 new certifications In 2013 : 17 new companies



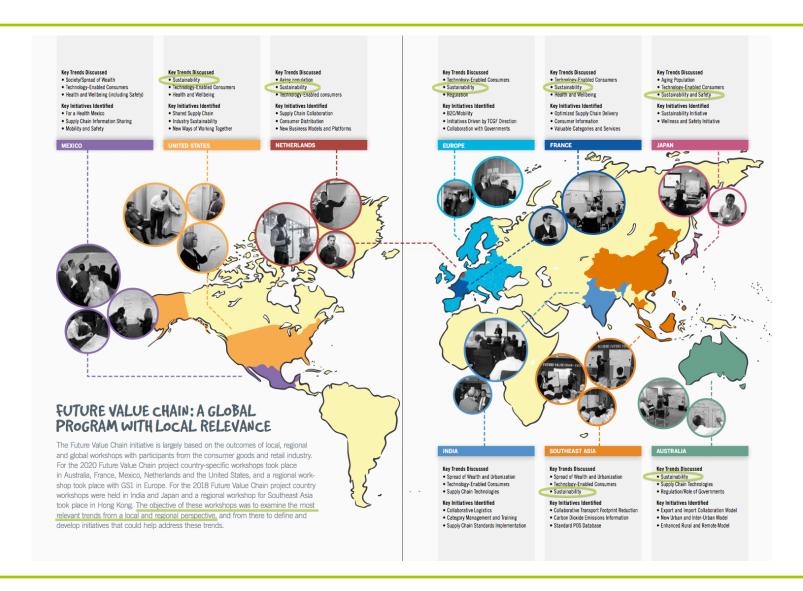






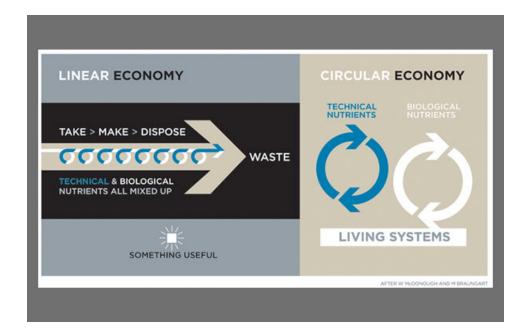
Gold

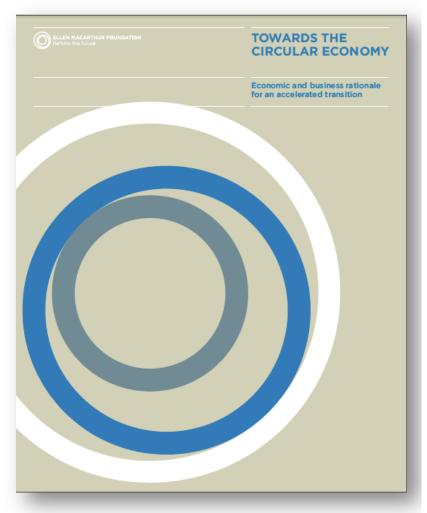
Relevant trends in different markets



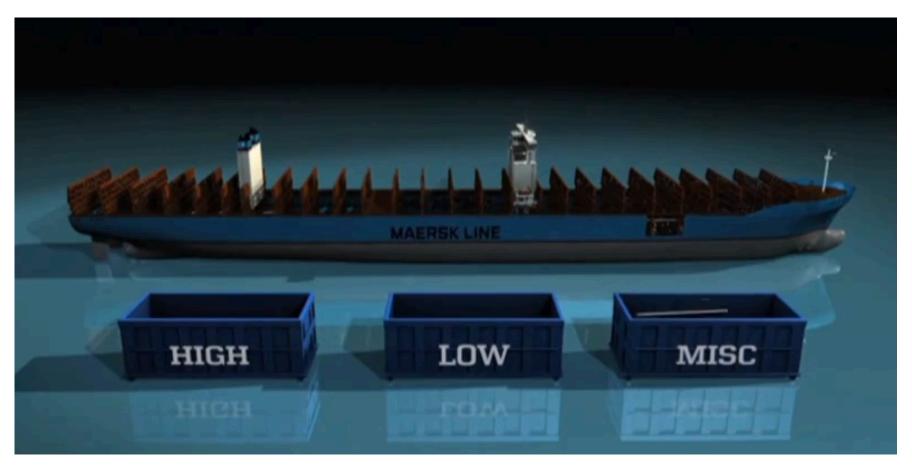
The Circular Economy

Consumer Goods Sector... "\$700 billion in potential savings"



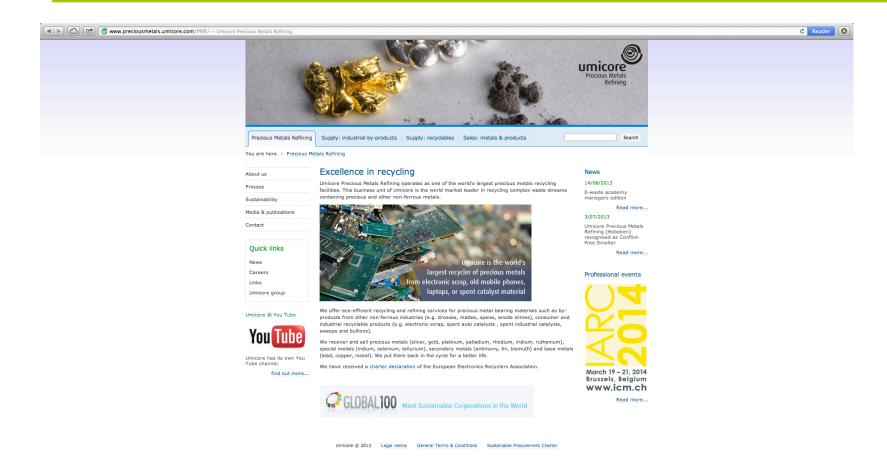


Design for Disassembly / Materials banking



Maersk Cradle to Cradle Passport - Total Vessel Recycling

Urban Mining

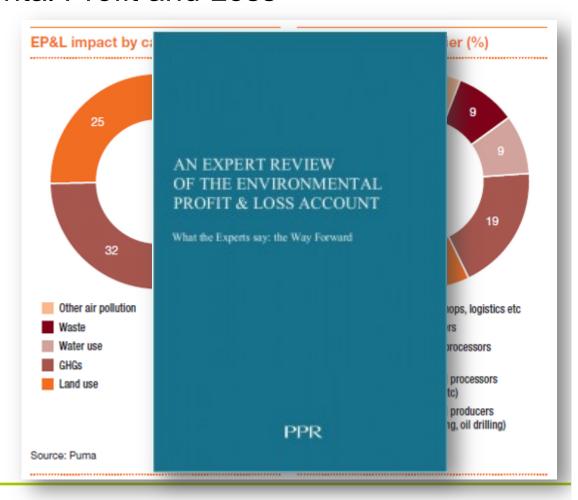


1.000 kilograms of mobile phones contain more gold than 1.000 kilograms of gold-ore!

Environmental Accounting

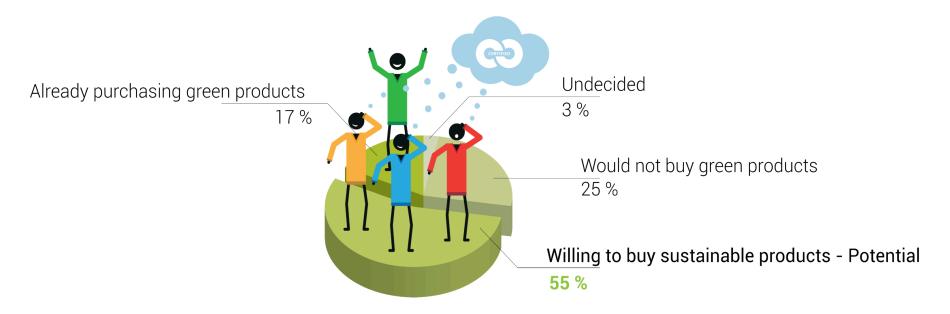
PUMA's Environmental Profit and Loss

"Expert Review"
May 2, 2013:
The Way Forward
"an excellent first
step' toward
promoting the
sustainable use of
natural capital"



Consumer Attitudes in EU & BRIC

Consumer attitudes towards Sustainable Products in Europe



Regeneration Consumer Study 28-11-2012:

"Consumers in Brazil, India, and China more inclined towards sustainable consumption; more likely to influence peers to buy from companies that are Socially and environmentally responsible."

Questions



European Agenda

