

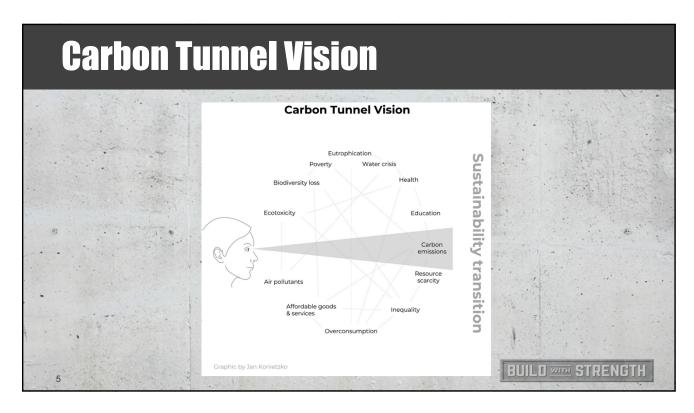
What is responsible sourcing?

"Also referred to as supply chain responsibility, responsible sourcing is a voluntary commitment by companies to take into account social and environmental considerations when managing their relationships with suppliers."

Source: International Chamber of Commerce

BUILD with STRENGTH





Demand for Responsible Sourcing

- Green Public Procurement Initiatives
 - More common in Europe and other parts of the world, but will likely become more prevalent in US
- AEC and Developer Community demonstrating increased demand for responsible sourced materials
 - Introduction of responsible sourcing specification language
- 3rd Party Green Rating Systems
 - LEED Responsible Sourcing and Social Equity in the Supply Chain Pilot Credit

BUILD WITH STRENGTH



Responsible Sourcing - CSC-Certification for Concrete and its Supply Chain

Concrete Sustainability Council



A Global Responsible Sourcing Certification System for Concrete and its supply chain

Committed to responsibly sourced concrete









- Founded in November 2016
- The first and only certification system for concrete established worldwide

Why CSC?



- CSC enables the concrete industry and its main suppliers i.e. cement and aggregate industry – to communicate and demonstrate the responsible sourcing credentials of its products
- Responsible sourcing is an issue in procurement, and increasingly in construction material procurement
- Undergoing CSC certification provides concrete producers with the opportunity to gain an in-depth understanding of their sustainability performance, incl. the supply chain





Prerequisites



- P1 Ethical & Legal Compliance
 - Does your company ensure legal compliance with local legislation?
- P2 Human Rights
 - Does your company ensure compliance with human rights?
- P5 Traced Materials
 - Are the materials used in the concrete traceable?

Example: Environmental Credits



E1 Life Cycle Impact

 Does your company provide transparency on material sourcing by using Environmental Product Declarations (EPDs)?

E2 Land Use

– Does your company protect the land from pollution and does it provide an end of use planning?

E3 Energy & Climate

– What does the company do to minimize the use of energy and maximize the use of renewable energy?

Example: Environmental Credits



E1 Life Cycle Impact

Does your company provide transparency on material sourcing by using Environmental Product Declarations (EPDs)?

- ☐ The company joins efforts in the region to develop sectoral (industry-wide) EPDs for their products.
- ☐ The company performs Life Cycle Analyses (LCAs).
- ☐ The company has released at least one EPD

Credits in the CSC system



Category	Points Available	% of Concrete Sub-score	% of Overall Score
Management	33	18.4%	11.1%
Environmental	73	40.8%	24.5%
Social	48	26.8%	16.1%
Economic	25	14.0%	8.4%
TOTAL	179	100%	60%

For dedicated certification levels











35%

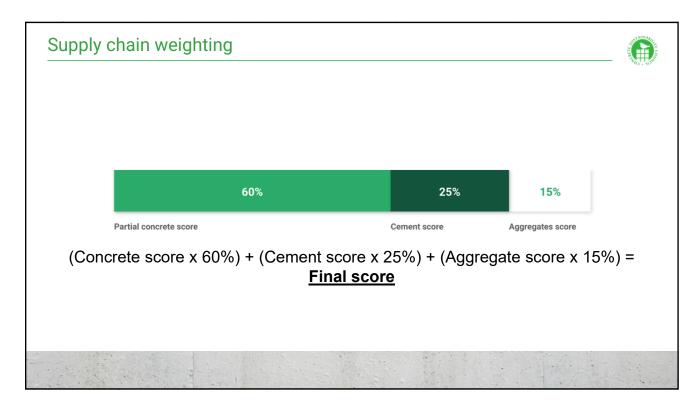
50%

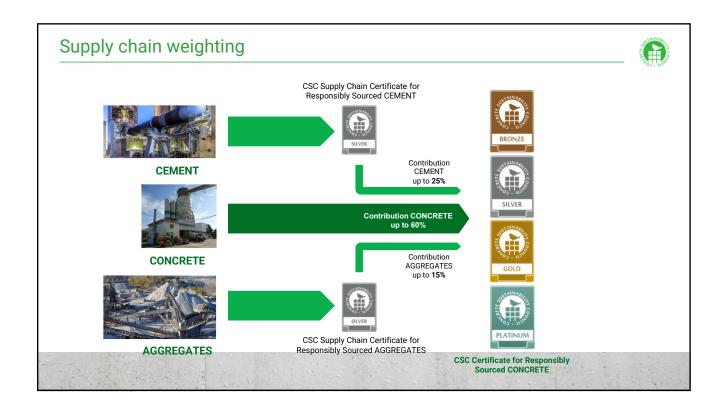
65% 80%

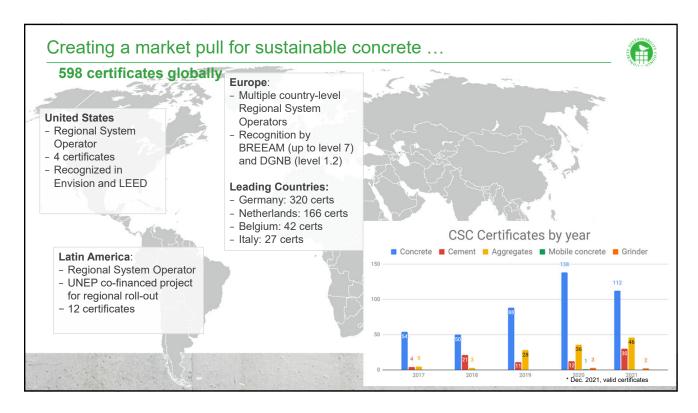
Minimum Score

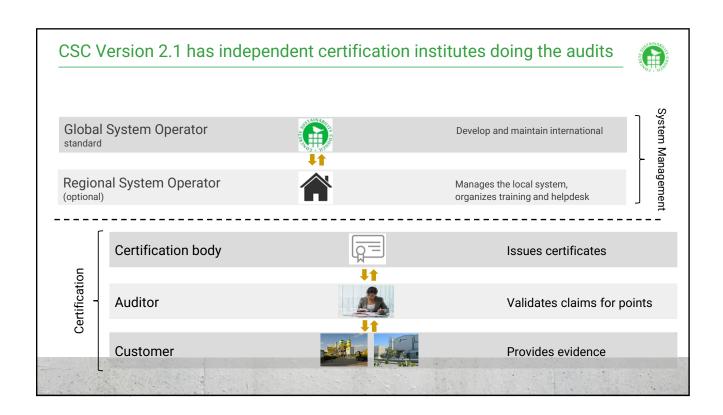
Certification level is determined by

- Overall fulfillment rate (= score)
- · Compliance with additional mandatory criteria for higher certification levels
- · Certified plants must fulfil all prerequisites









Benefits of the CSC Certification





- Opportunity to differentiate
 - For certifying companies CSC certification provides image / tangible benefits, e.g.
 - Enter into a **credible in-depth dialogue on sustainability** with customers and a broad range of other stakeholders
- Public Procurement:
 - CSC certification is increasingly gaining recognition in Green Building Labels
 - Green Buildings' market has higher growth rate than market average







Cadman Achieves CSC Certification of Two Concrete Plants



Our timeline ~3-4 months

Dec 2020 <u>US</u>GBC approves Pilot Credit including CSC Cert.

Feb 2021 – Training for our RMC leaders

March – Cadman chose 2 plants to pursue

April – HC ESG Training on the CSC tool Kit and plants begin gathering evidence for the 25 items in 5 categories

May – NRMCA became program operator

---now doing training and promotion

June – Auditor SGC (Chicago ofc.) inspects 2 plants

July - Silver level certification was achieved: Seattle and Bellevue, WA



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Develop the Project Team with the Knowledge and Resources

Management – for policies and procurement info
Environmental – commitments, reporting, practices (our team leader)
Quality Control – quality control plan, materials optimization, EPD
Maintenance – photos, tracking/reporting and site practices
Human Resources – human rights, ethics, training manuals, hiring

Heath and Safety – safety records and training Communications/Marketing – proof of innovative products and promotion

Legal – policies, anti-trust training, etc.



Final result: 52.34 %

Subscore per category

Category 0 10 20 30 40 50 60 70 80 90 100

Prerequisites 100.00 %

Management 72.73 %

Environmental 90.41 %

Social 100.00 %

Economics 72.00 %

C1. Cement 0.00 %

C2. Aggregates 0.00 %

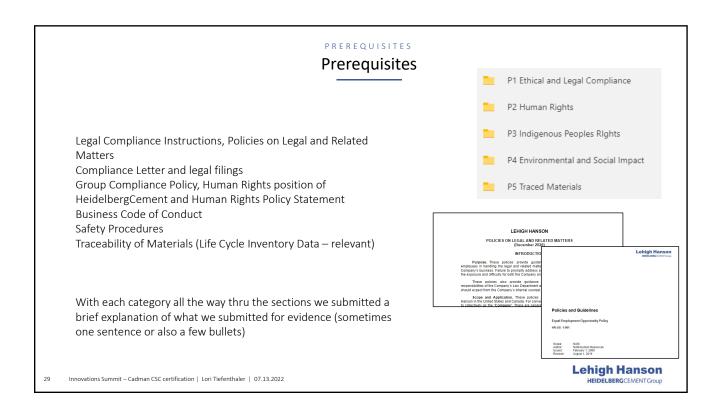
Through exemplary performance additionally earned points (already included in category scores above)

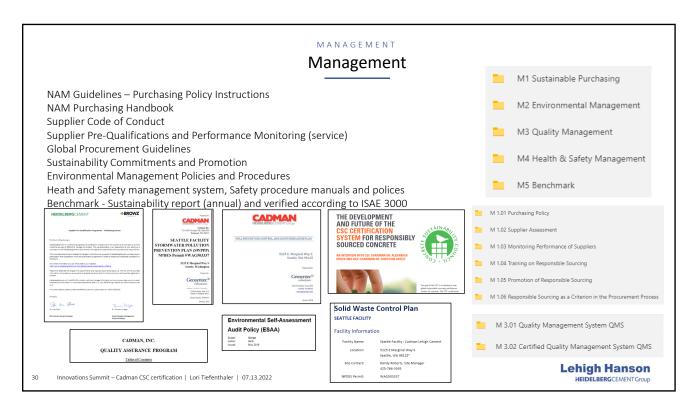
No exemplary performance points earned.

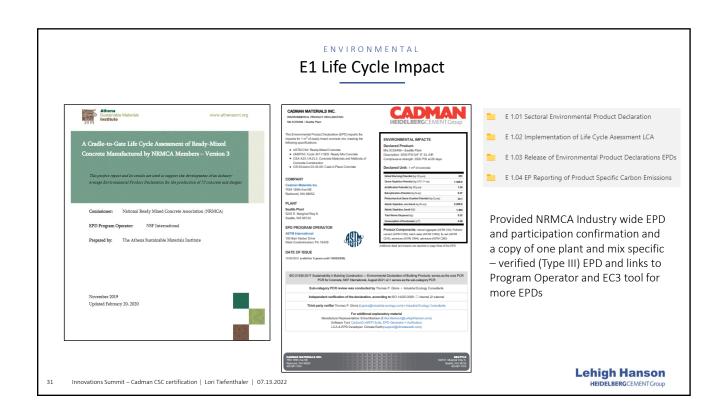
Final result: 52.34 %

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ENVIRONMENTAL

E2 - Land Use: photos and regulations

Policy to avoid globally or nationally important sites included Federal and State Regulations and Link to Seattle.gov Environmentally Critical Areas

Responsible Land Use - Site Map

Protection from Pollution - Secondary Containment





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ENVIRONMENTAL E3 Energy & Climate

Policies, reports - audits, measures

Potential energy savings, best practices and planning (e.g. lighting Halogen to LED, timers, reduce idle time posters, 1 to 3 phase motors and shut offs (e.g. belts)

Communications – commitments, targets, memos, press, etc.

Renewable Electrical Energy – submitted amount in % and a policy



Sustainability Commitments 2030 **Fast Track Targets**

WBCSD CSI 2018 Audit Company Report for Heidelberg Cement Limited

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CO, & other emissions

E 3.01 Climate Policy

E 3.02 Monitoring GHG Emissions

E 3.03 Public Reporting of Monitoring Results

E 3.04 Externally Verified Reporting of GHG Emissions

E 3.05 Reporting to GNR Database

E 3.06 CO2 Emission Reduction Target

E 3.07 Science based CO2 Emission Reduction Target

E 3.08 Energy Reduction Potentials

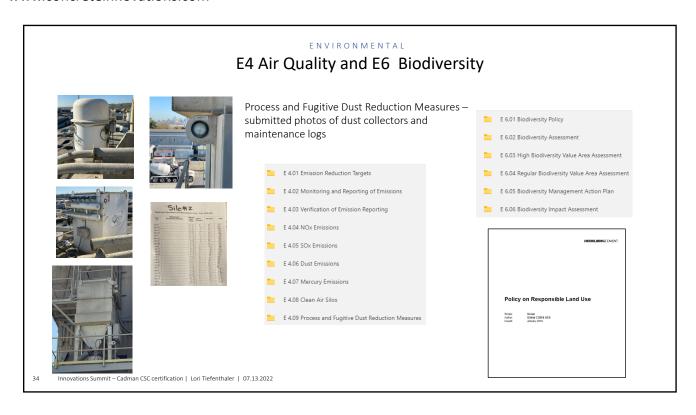
E 3.09 Achievement of CO2 Emission Reduction Target

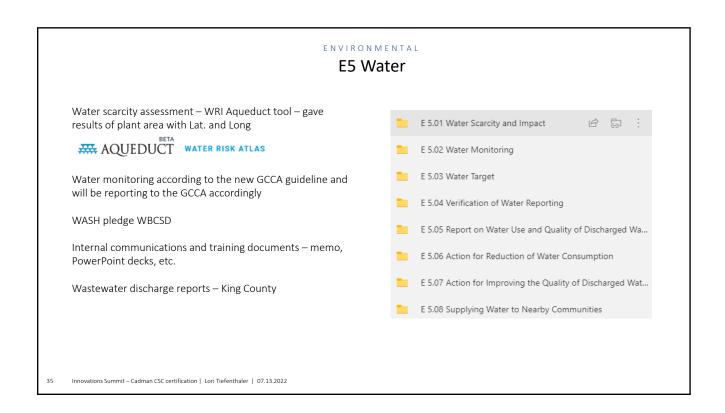
E 3.10 Implementation of Energy Reduction Potentials

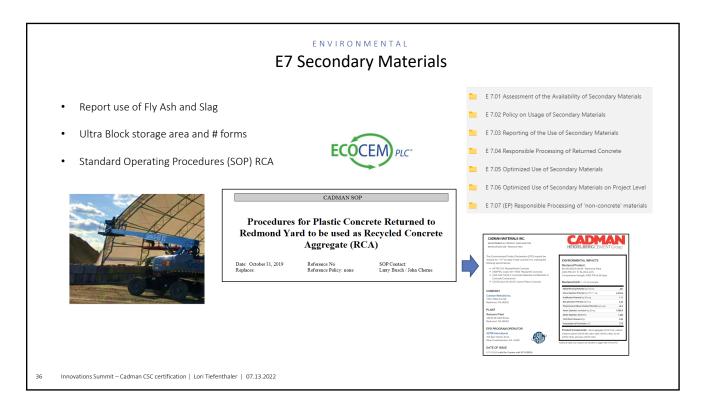
E 3.11 Energy Saving Awareness Creation

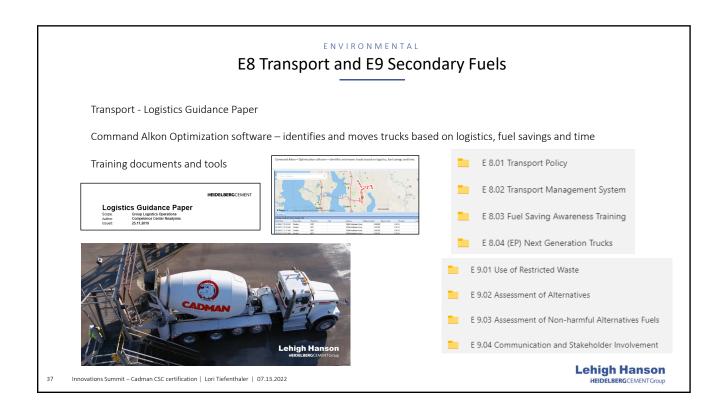
E 3.12 CO2 Emissions

E 3.13 Use of Renewable Electrical Energy

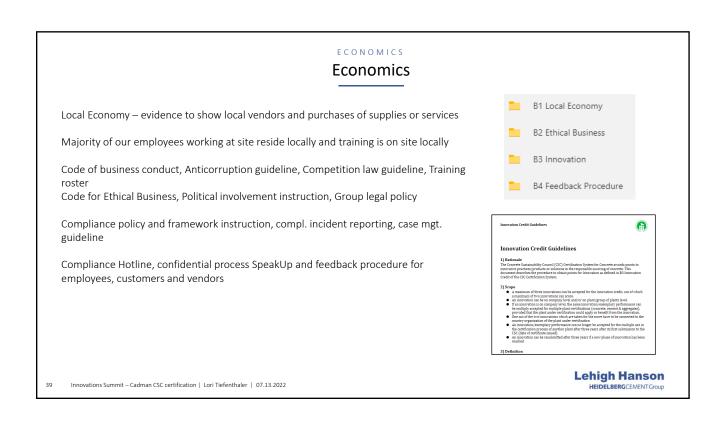












CONCRETE SUSTAINABILITY COUNCIL (CSC)

Call To Action







Help exercise the Pilot Credit

Recognize concrete as a Responsibly Sourced Local Material

Consider gaining a CSC certification and help promote this rigorous program

Prepare – with responsible sourcing gaining momentum, concrete can be on top!

Thank you

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HEIDELBERGCEMENTGroup

