Resource Efficiency and Decoupling
A business perspective

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LafargeHolcim at a glance

- **80 COUNTRIES**
- **90,000 EMPLOYEES**
- **CHF 26.9 BILLION IN NET SALES**
- **IN TOP 3 POSITION IN 80% OF OUR MARKETS**

**OUR PRODUCTS, SOLUTIONS AND SERVICES**
Cement, concrete, aggregates and asphalt for the following businesses:

- **BUILDING**
- **INFRASTRUCTURE**
- **DISTRIBUTION & RETAIL**
- **OIL & GAS**
- **AFFORDABLE HOUSING**

**Founded in 2015** following the merger of Lafarge and Holcim

**353.3 MT INSTALLED CAPACITY WORLDWIDE**

**Over 2,300 Plants**
Including over 1,400 in ready mix concrete, over 600 in aggregates, over 200 in cement and grinding plants.
Our environmental impacts

We extract natural resources
584 Mt p.a. – equivalent to one 55t truck every 2 seconds

We emit CO₂
164 Mt p.a. - equivalent to half of France yearly emissions

We use energy
720 Mn GJ p.a. - equivalent to the needs of Morocco, or 14 million households in Europe

We withdraw freshwater
109 mn m³ p.a. - the annual requirement for 6 million people in China
2 key global environmental challenges for our activities

**CLIMATE AND CONSTRUCTION**
How to achieve a drastic reduction of greenhouse gases emissions over the life-cycle of buildings and infrastructure?

- Mitigation of own emissions
- Alternative energy sources
- Innovation: low carbon solutions
- Carbon Capture and Storage or Use

**CIRCULAR ECONOMY**
How to minimise the use of natural resources over the life-cycle of buildings and infrastructure?

- “Eco-design” of buildings and infrastructure
- Alternative materials
- Alternative fuels
- Recycling of construction & demolition waste
Our vision

The construction sector of tomorrow will be innovative, climate-neutral and circular in its use of resources.

It will be respectful of water and nature.

It will be inclusive - enhancing quality of life for all.
40% reduction target in net CO₂ emissions per ton of cement

We will use 80 million tons of waste-derived resources per year

We will multiply by 4 the volumes of recycled aggregates from C&D Waste

LafargeHolcim sees the required transformation as a source of competitive advantage
Our waste treatment business

Over 60 countries on all continents

Over 180 co-processing facilities

Over 85 pre-treatment facilities

10,000 customers worldwide

14 million tons of waste treated by Geocycle worldwide every year

8 million tons of CO₂ prevented every year
Life-cycle thinking

Thinner concrete structures

Reducing embodied CO₂ in the final building / structure

50 Green Building Centers in India

Enhancing quality of buildings, lengthening life span
3 Billion Tons of C&DW generated globally every year.

>40 Billion Tons of aggregates consumed every year

C&DW often disposed of OR used in low value applications

Appropriate waste regulations are required

Proximity to urban markets
Urgent need to speed up!