



BUILDING FOR
*net
Zero*
PEOPLE & PLANET

Reinventing Construction for a Net Zero Future

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Did you know?

By 2050 population is expected
to grow **22%** to 9.7 billion.
2.5 billion in cities

New York City
built every month

1.6 billion people
Lack adequate housing

Mega Trends Shaping our Industry



Sustainable construction



Urbanization



Population growth



Living standards



Digitalization

The future isn't written, it is built.

We're building it net zero



Providing essential shelter



Connecting Communities & Society



Architectural Landmarks



Almost 50% of resources extracted from Earth every year go to housing and infrastructure

Housing & infrastructure

40+ billion tonnes

Largest resource footprint. It also generates large part of the waste from long-term stock (e.g. demolition waste)

Nutrition

20+ billion tonnes

Mobility

12 billion tonnes

Consumables

9+ billion tonnes

Services

4+ billion tonnes

Healthcare

2+ billion tonnes

Communication

1+ billion tonnes



1 Geocycle

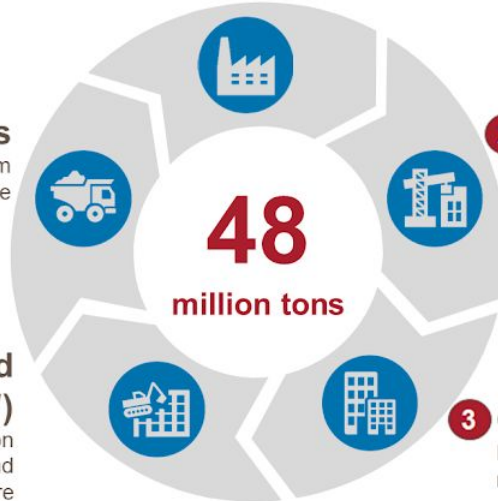
Usage of waste as Alternative Fuels & Raw materials in cement production process

5 Recycled Aggregates

High quality aggregates processed from recycled concrete

4 Construction and Demolition Waste (CDW)

Reusing of Mixed material from Construction demolition and deconstruction of building and infrastructure



2 Mineral Components

Mineral Components like Slag & Fly Ash as substitutes for Clinker in Cement and Ready Mix

3 Green Products

Products with low CO2 and increased recycled content

In 2019 we:

Used 620 million tons of raw materials

Recovered 48 million tons of waste

All figures represent FY 2019





Greener: low-carbon and circular solutions

1. Leading Green Building Solutions like:

ECO Pact

**Green Concrete for:
30-100% less CO₂**



2. Driving Circular Construction for a Zero Waste Future:

1. Reuse

Minerals & Waste as
Fuel & Raw
materials

2. Reduce

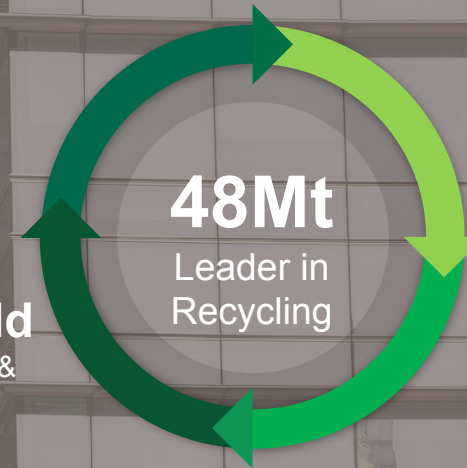
Operational Efficiency
Technologies to do more with
less (3D Printing, Oris)

4. Re-Build

Green Products &
Solutions

3. Recycle

Construction &
Demolition Waste (CDW)
Aggregates from
recycled concrete

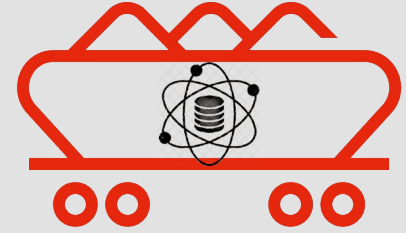
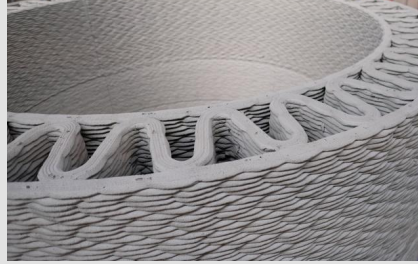




**Smarter:
innovation-driven & digital**

Innovating to build
more with less

Digitalization for more
Impact



3D Printing
Accelerating Transition to
Renewable Economy

Transport Analytics Center
AI & Datafication for Logistics
& CO2 Efficiency



Policies for resource efficient construction



Material neutrality

Lifecycle performance

Demand-pull measures



LafargeHolcim

Reinventing How the World Builds