Building Local Sustainable
Low-Carbon Materials Industries

25 February 2021
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LafargeHolcim
We are a global leader in sustainable and innovative building materials and solutions, active in four segments:

Cement  Aggregates  Ready-mix Concrete  Solutions & Products

70,000+ people work for the company, in around 75 countries that are balanced between developing and mature markets.
Concrete is the 2nd most used material in the world after water.

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

Did you know?
Sustainability is at the core of our company strategy, closely linked to our new company purpose - greener, smarter, for all!

Four strategic sustainability pillars:

- Climate and energy
- Circular economy
- Environment
- Community
LafargeHolcim CO2 footprint

SCOPE 1
- Raw materials decarbonation
- Cement production

50%

SCOPE 2
- Energy generation
- Aggregates and RMX operations

26%

SCOPE 3
- All indirect emissions
- Purchased electricity

13%

Fuels combustion
- Cement production
5%

50%
Our pathway to net zero

LafargeHolcim will reduce scope 1 CO2 emissions to a target consistent with a net-zero pathway endorsed by SBTi.
Our building blocks to net zero

- Getting ready to scale up CCUS technologies
- Accelerating green solutions
- Expanding wind turbines and solar panel farms
- Driving efficiency from automation to AI
- Maximizing traditional levers

Clinker factor and alternative fuels

Renewable energy

Plants of tomorrow

Green products

Carbon capture

1990 2000 2010 2020 2030 2040 2050 and beyond
Leading the way in green construction

**ECO Pact**

*The Green Concrete*

Enabling carbon-neutral construction

3D printing building more with less

**SUSTENO**

Leading circular cement with ~20% recycled material inside

A global leader in waste solutions
Today, less than 10% of the African population can afford the cheapest newly house built by the formal sector. A lot of solutions to build more affordable housing exist, but they remain in the labs of large companies and start ups.

Our mission is to take construction innovations from labs to the field, test them, optimize them, implement them on the ground, and take them to scale.

So that more African families can live in a decent and affordable house.
2016: we opened our first Durabric plant in Malawi producing sustainable bricks 24/7

2018: we launched Durabric Homes, our turnkey solution

We deliver this one bedroom home in 12 weeks for less than 20,000 USD with a negotiated credit offer and in partnership with local contractors
In February 2021 we received the accreditation to issue our Durabric carbon credits.

For every 120 bricks we sell, 1 ton of CO2 is saved (compared to the use of burnt bricks), this is certified by Gold Standard. We are now selling our carbon credits, allowing the company to expand further in Malawi.
We are making a major positive impact on the environment
Example with our bricks Durabric

3,000,000 bricks sold since our start

= 25,000 tons CO2 saved

would compensate 12,500 return flights
Zurich – New York
in eco class
In November 2020, we pioneered in introducing construction 3D printing in Sub Saharan Africa.

Our 3D printed houses are now part of our offer to NGOs and the low middle income class in Malawi.

We printed a 36m² house in less than 12 hours.
Starting price is at 9,500 USD.
A 3D printed house emits 70% less CO2 than a conventional, burnt brick house in Malawi.
We also printed a school to address the Malawian school backlog of over 40,000 classrooms.

Addressing Malawi’s 70-year schools backlog within just 10 years.

We printed a 56m² classroom in less than 18 hours.
Starting price is at 25,000 USD.
Opening of the school is scheduled March 2021.