

Acting on Climate

#LHLowCarbonTransition

Morocco: Using Wind Energy to Power our Cement Activities

What is the challenge?

Part of LafargeHolcim's carbon emissions comes from the energy and fuels needed during the cement manufacturing process.

LafargeHolcim has been investing for many years to replace fossil fuels by alternatives such as waste or renewable energy.

How can renewable energy contribute to reduce our carbon footprint?

Key figures

- Windmill capacity in Tétouan cement plant of 32 MW, saving annually 90,00 tons of CO₂
- In Morocco, 84% substitution rate of fossil fuels in September 2019. Ambition to reach 90% by 2020.

Our solution

In Morocco, in its Tetouan plant, LafargeHolcim was a pioneer in 2005 by installing the first ever windmills in a cement plant. The wind park has since been extended in 2008 and it's total capacity has reached 32 megawatts. The windmills save annually 90,000 tons of CO₂.

Over the past few years, wind power has replaced an increasing share of the fossil fuel-based energy at all nine plants in Morocco. In September 2019, the substitution rate reached 84 percent (9 percent of which was provided by Tetouan's wind farm), saving 334,000 tons of CO₂. LafargeHolcim Morocco plans to increase this rate to 90 percent by 2020.



LafargeHolcim