

CIMPOR TO REDUCE CO₂ EMISSIONS BY 37% UNTIL 2030

TOWARDS A NEUTRAL CARBON
ECONOMY BY 2050



CIMPOR

A NEW, LOW-CARBON ECONOMY HAS BECOME ESSENTIAL

The agreements and plans being developed to strengthen the response to the threat of climate change, will provide the direction for encouraging CO₂ mitigation, energy efficiency, and renewables introduction, through a carbon price that will be adopted to value assets in a new way.



THE PARIS AGREEMENT ON A GLOBAL LEVEL



THE EU GREEN DEAL AND THE EU 2030 CLIMATE TARGET PLAN ON A EUROPEAN LEVEL



THE RNC2050, PNEC2030 AND EN-H2 ON A NATIONAL LEVEL

Our long-term strategy, more than ever, incorporates carbon footprint mitigation and defines our ambition and commitment towards a carbon neutral society by 2050, with an intermediate and more manageable goal in 2030 along **four strategic areas**.

1. PROCESS CONTROL & RESOURCES EFFICIENCY (-17% CO₂)

The cement sector plays an important role in circular economy, when it transforms waste, an environmental liability, into alternative fuels and alternative raw materials. Co-processing is, therefore, an important pillar in CIMPOR's CO₂ emission reduction strategy. **Our commitment is to:**

MODERNIZE

our kilns to improve even further their energy efficiency according to BAT.

MODERNIZE

the substitution of fossil fuels for alternative energy sources, **from 30% today to 70%** to avoid landfilling and conventional fossil fuels use.

REPLACE

natural raw materials for alternative ones by circa 3% until 2030, e.g., C&DW, iron ore.

NOTE: C&DW Construction & Demolishing Waste

2. ADDITIONS TO CEMENT (-12% CO₂)

Until 2030, CIMPOR intends to decrease clinker incorporation in cement from 78% to 62.5%, underpinned by expected hard-won achievements that will both substitute the consumption of natural resources and reduce CO₂ emissions.

Limestone activated clay cements are part of next set of products that CIMPOR is already developing and will be presenting in the near future as a commercial offer to reduce the carbon footprint of its cement portfolio.



CEMENT IS MADE OUT OF CLINKER AND OTHER ADDITIVES, BEING CLINKER THE CO₂ EMITTING COMPONENT.

AT CIMPOR, WE HAVE INCORPORATED CLIMATE CHANGE INTO OUR STRATEGY FOR MORE THAN 20 YEARS.

3. RENEWABLES

CIMPOR will invest in renewables and equipments to recover process waste heat forelectric power self-generation, which will allow producing 30% of our electric needs.

4. INVESTMENTS AND R&D

An investment of over €100 million in industrial assets modernization and R&D projects will be made until 2030, in order to achieve a low-carbon portfolio of products with the potential to reduce our carbon emissions by up to 37%, when compared to 1990.

We see a strong role for partnerships in the search for transformational, industry-led solutions. We will also pursue our collaboration with universities, state laboratories and government. The recently created collaborative laboratory, c5Lab, in which we are strongly committed, will be an import pillar of this forward thinking endeavor.

CIMPOR will also pay attention to the role of downstream products, such as low-carbon concrete, in reducing CO₂ emissions, increasing energy efficiency.

We hope the private sector unlock scalable solutions that will enable creating industrial synergies between sectors, share the responsibility in a balanced way and address climate major challenges straightforwardly.

CIMPOR IS DEVELOPING WITH INSTITUTO SUPERIOR TÉCNICO (IST) A LOW CARBON CLINKER (X-CLINKER), AFTER A COLLABORATION WITH MIT.



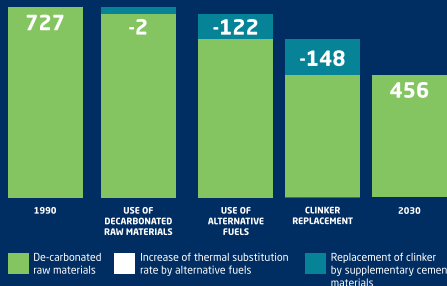
CO₂ EMISSION PER TONNES OF CEMENT PORTUGAL



kg CO₂/t CEMENT

kg CO₂/t CEMENT

MAIN LEVERS FOR CO₂ EMISSIONS REDUCTION PER UNIT OF PRODUCT



■ De-carbonated raw materials ■ Increase of thermal substitution rate by alternative fuels ■ Replacement of clinker by supplementary cementitious materials



We have already come a long way, but we can, and we must, do even more. We are firmly convinced our end product, concrete, contributes to sustainable solutions for tomorrow's housing, schools, hospitals, roads and other infrastructures thanks to its main technical features.

Elements such as durability, resilience, energy-efficiency, thermal mass characteristics and low carbon footprint, position our products as a strategic solution in the adaptation to climate change while potentially supporting the strategies of other sectors, namely, construction, energy and transports.



CIMPOR

CIMPOR.COM