













AN OVERVIEW OF THE CATALAN INDUSTRY

The dimensions, volume, capacities, socio-economic influence, and investments for the protection of natural spaces within the sector that produces the most sustainable construction material: cement.

	Active Companies →	4 companies
	Production Facilities →	5 operational factories
	Direct and indirect employment →	918 workers
	Permanent Contracts →	92% of the contracts
	Clinker production →	3.4 millions tons
	External market →	€1.71 millions tons of clinker and cement exported
	Environmental Investments →	€239 millions euros since 1990
	Estimated Annual Revenue →	€206 millions
	Fiscal Contribution (year 2022) →	€2,600,000 per factory
	Energy consumption (year 2023) →	11.8 millions gigajoules
	Energy recovery →	48% of total consumption
	CO ₂ emissions avoided by recovery →	364,194 tons

ABOUT US

Ciment Català is the organization that brings together all the companies with fully integrated cement production plants in Catalonia.

OBJECTIVES

- Social Responsibility and Sustainability.
- Quality and proper use of the product.
- Dissemination of technical knowledge.

ACTIVITIES

- Representation before Public Administration.
- Preparation of studies and reports.
- Promotion of Sustainability.

CEMENT

Due to its properties and applications, cement is the product that contributes the most to the development and habitability of the planet. Cement is synonymous with progress.

+ Info
versió en català:



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versión en español:



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english version:



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ACTIVITY REPORT 2024



The decrease in consumption and exports makes it essential to promote projects that reactivate the economy and ensure a better quality of life for citizens. At the same time, com-

panies have multiplied their investments to face the energy transition, key to achieving climate neutrality, through the implementation of new technologies and cleaner processes.

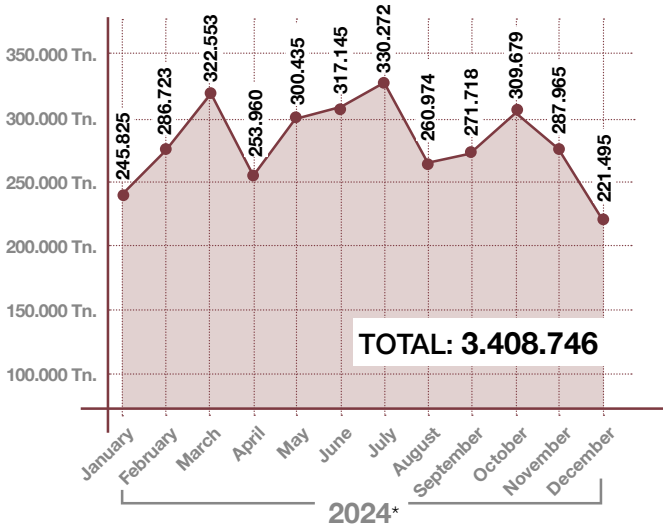


SECTOR BALANCE



Cement production

Grey cement production reached 3.4 million tons. The sector accumulates 13 consecutive years with production below 4 million tons.

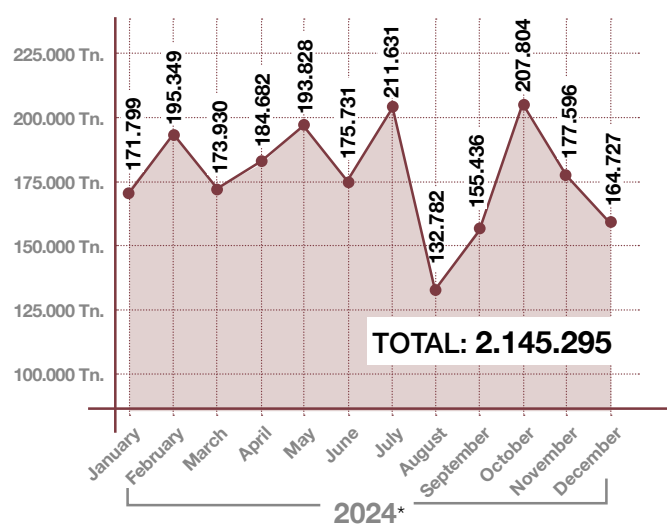


Note: Figures in tonnes. *Provisional data
Source: Oficemen



Cement consumption

2024 closed with a negligible increase of 0.9% compared to 2023. A paradoxical situation, since the Catalan GDP grew by 3.6%, more than anywhere else in Europe.



Note: Figures in tonnes. *Provisional data
Source: Oficemen



External markets

The 1.71 million tons of cement and clinker exported represent a 4% decrease compared to 2023, which already recorded a similar decline relative to 2022.



Note: Figures in tonnes *Provisional data
Source: Oficemen



Employment and induced economic activity

Employment in the sector is characterized by job stability, job quality, staff experience, and the progressive incorporation of women, a clear example of gender integration.

Evolution of the number of employees		
Year	2023*	Change
Direct employment	481	-10%
Indirect employment	437	-29%
Total employment	918	-20%

Source: Oficemen * Latest available data

SUSTAINABILITY REPORT

Energy Recovery

Highlights the growth (74%) in the use of vegetal biomass as a substitute for fossil fuels (mainly petroleum coke). However, SRF-MSW are the main material used: practically 65% of the 305 thousand tons of waste recovered are of this type.

TYPE OF WASTE	2023	Variation 2022
Vegetable Biomass	23.145	74%
RDF-MSW	195.202	11%
Animal flours	32.240	0%
Urban sewage treatment plant sludge	3.727	22%
Wood	34.888	-13%
TDF	16.023	2%
Total	305.275	9%
% of energy substitution	48%	1%
t of fossil CO ₂ avoided	346.194	7%

Note: Data in tonnes / Source: Government of Catalonia

Material Recovery

Almost half a million tons of waste recovered has allowed reaching a substitution rate above 10% for the first time in history. The growth of this good practice has been geometric in the last five years, multiplying by 4 the volume of reused by-products.

TYPE OF WASTE/PRODUCT	2023	Variation 2022
Dehydrated sludge for raw material	477	-44%
Sludge with carbonate	2.044	56%
Recycled reducing agent	1.146	100%
Concrete waste	33.392	-5%
Other alternative raw materials	113.558	39%
Iron shavings	25.641	-5%
Cement grinding slag	1.366	703%
Granulated slags	190.916	57%
White slags from steel industry	30.404	329%
Construction and demolition waste	84.071	100%
Total	483.013	34%
% of raw material valorized	10%	46%
t f natural resource exploitation avoided	481.956	34%

Note: Data in tonnes / Source: Government of Catalonia

Environmental Investments

2024 has become the year with the highest investment allocated to environmental purposes since 2008. The 14.9 million euros disbursed also place it as the third year with the highest expenditure of the entire 21st century, that is, the third with the highest investment in history.

INVESTMENT DESTINATION	AMOUNT
Reduction of particulate emissions into the atmosphere from localized sources (chimney emissions)	279.081
Prevention and reduction of particle emissions into the atmosphere from material handling	293.828
Reduction of noise emissions	43.000
CO ₂ savings through recycling and valorization of waste in cement manufacturing by using alternative raw materials	1.937.773
CO ₂ savings through valorization of waste in cement manufacturing by using alternative fuels	9.239.291
Visual impact	349.145
Control of environmental effects	2.298.108
Energy efficiency	418.653
Biodiversity	37.695
Total	14.896.405

Note: figures in €

THE HIGHLIGHTS OF 2024



MEETING WITH COUNSELOR CAPELLA ON DECARBONIZATION

The working session focused on the implementation of measures to achieve **climate neutrality** in the sector.



THE GENERALITAT RATIFIES THE GOOD ENVIRONMENTAL PERFORMANCE OF THE FACTORIES

100% compliance has been achieved with all emission limit values for each emission source into the atmosphere.



ADVANCES IN THE DECARBONIZATION OF CEMENT AND CONCRETE

The president of **Ciment Català** highlights the reduction of the carbon footprint and calls for greater institutional support.



ANALYSIS OF THE MARKET SITUATION WITH THE CONTRACTORS' CHAMBER

The lack of execution of public works is a problem that worsens the chronic infrastructure deficit in the country.



CONTRIBUTION TO THE ANNUAL REPORT ON INDUSTRY IN CATALONIA

The cost of purchasing CO₂ emission rights for manufacturing limits the export capacity of the cement sector.



CONSENSUS WITH THE GENERALITAT OF CATALONIA FOR THE IV VOLUNTARY AGREEMENT

Working session to set objectives with the Directorate General of Climate Change and Environmental Quality of the Catalan government.



PARTICIPATION IN THE TARRAGONA DECARBONIZATION CONFERENCE

Successful cases in circularity and sustainability projects were presented, such as waste recovery.



THE CEMENT SECTOR AVOIDS THE ANNUAL EMISSION OF 339 THOUSAND TONNES OF CO₂

Energy recovery accounts for 47% of the total thermal energy consumed in Catalan cement kilns.