

EN

Every day counts.

Our choices for the future of the planet

◆ CÆSAR ◆
C E R A M I C H E

Let's build our tomorrow

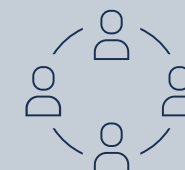
Our every day's choices are determining. They define who we are and what our commitment to well-being and environmental protection is. Choosing a Caesar product is good for you, for the community and for nature. It is the choice to build a better world together.



Earth
ENVIRONMENT



People
SAFETY & HEALTH



Community
SOCIAL RESPONSIBILITY

◆ **CÆSAR** ◆
C E R A M I C H E

everydaycounts.caesar.it





Earth
ENVIRONMENT

Every choice counts

Every choice counts when it comes to the environment. That is why we produce ceramics of excellence with industrial and management processes that are geared towards maximum sustainability, and why we make constant investments to reduce consumption, waste and emissions. Our target is to make a product integrated in a circular economy system, able to reconcile human wellbeing and environmental impact.



Planning a brighter future

In the near future, we will take new steps in the direction of fully sustainable business management, investing in infrastructures for energy self-generation. We plan to build a large photovoltaic plant, which will significantly contribute to our energy requirements.



Clean energy from the sun

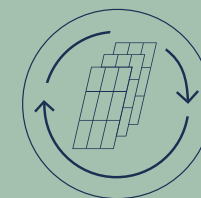
100% renewable solar energy

On the roofs of four of our warehouses, a photovoltaic field of about 7.000 sqm will be built. The plant will have a peak power of 1 MW, covering the entire power needs of Caesar's Logistics, Sales and Marketing Offices with 100% renewable energy, for an yearly estimated saving of 500 tonnes of CO₂. The installation will take place over the course of 2023 through two stages, reaching completion by the end of the year.

This plant is the first step in a larger, multi-year plan that will further expand photovoltaic energy production.



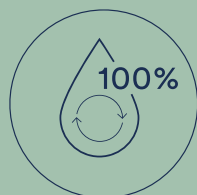
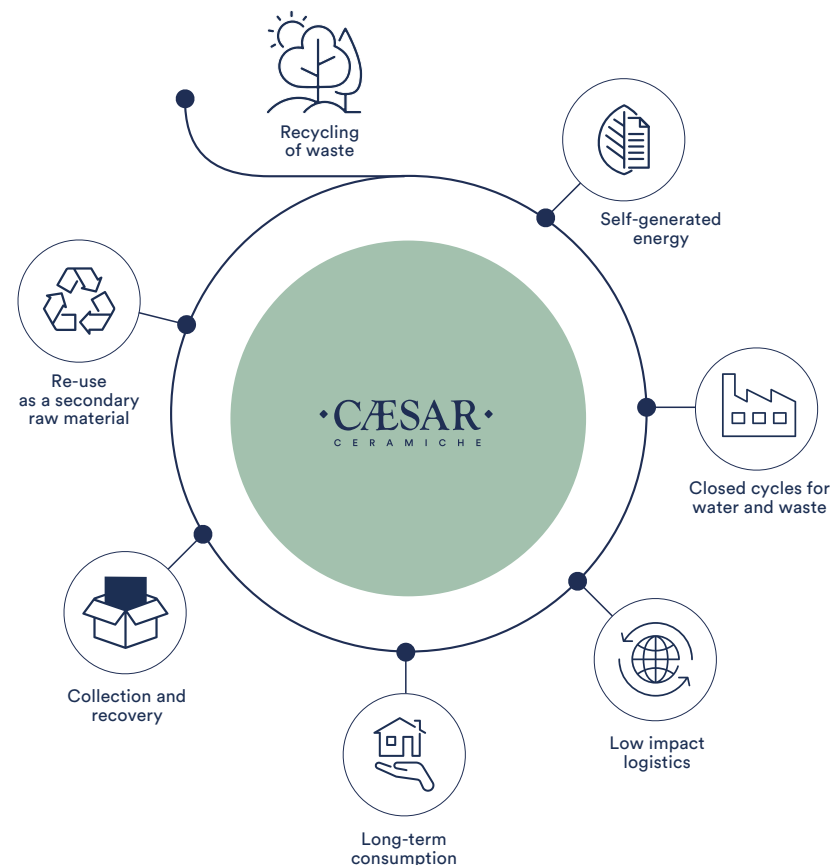
CO₂
saved



7.000 sqm

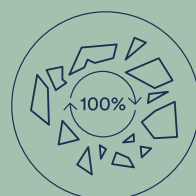
The recycling attitude

The circular economy model is not just a choice, but a daily duty. Through a sustainable industrial process we protect the environment by minimising the consumption of raw materials and natural resources. In this way we create a product that is environmentally friendly, recyclable and safe.



All scrap is reused

We recycle 100% of our waste



Every drop counts



At Caesar we recycle all kinds of ceramic waste.

Unfired and fired semi-finished products that are scrapped because they do not meet quality standards, including residual sludge and powders, are returned to the production process. This allows a clear reduction in the environmental impact in terms of raw materials extracted, transported and processed.

Thanks to our closed-loop purification system, **the water we use in the industrial process is 100% reused.** The average daily quantity of purified water is about 500 sqm.

At Caesar **we differentiate the collection of waste from all areas of the company. Iron, wood, plastic, paper, cardboard:** every waste produced by the industrial process and by the offices is classified with a numerical code according to the prescriptions of the European Waste Code CER, then sent to the correct recycling and reuse procedure.

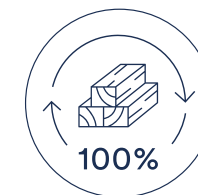
Porcelain stoneware is an inert material, produced from clays, feldspars and quartzes of natural origin subjected to mechanical and thermal treatments. It contains no plastic or harmful substances and can be recycled at the end of its long life cycle.



Plastic



Paper



Wood

We cogenerate energy every day

At our Fiorano Modenese plant, an innovative high-efficiency cogeneration system contributes to overall energy savings, producing both electricity and heat.

The cogenerator supplies about 70% of the daily needs of the entire production process.



Self-generation of energy



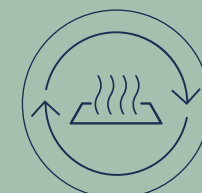
Energy for 70% of requirements



Recovery of daily heat

The heat produced by the **cogeneration** and firing ovens is fed back into the production cycle to power the drying and spray-drying process, further reducing the plant's energy requirements.

This heat is also used to power **heating systems**, reducing methane consumption.



Heat recovery



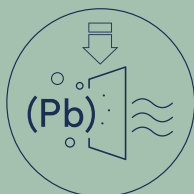
Less waste, less consumption

Respect for the environment is reflected in all stages of industrial production. Energy-efficient processes have enabled us to reduce processing waste, while continuous investment has improved procedures to reduce harmful emissions from the systems.

Where it is not technically possible to reduce emissions, they are purified in order to minimise their release into the atmosphere and the workplace, with a result that far exceeds the strictest requirements of Italian law.

We have an efficient filtering system for lead, fluorine, dust and fumes.

Our checks in this respect are continuous and rigorous and the results confirm this. Reducing waste and emissions is a cornerstone of Caesar Ceramiche's production process.



Lead and fluorine emissions reduced by sewer treatment plants



Dust and fumes filtering

The numbers speak for themselves

In just 7 years, from 2013 to 2020, our environmental impact has decreased considerably and will decrease even more in the near future thanks to the commitments that the company has planned in this direction.

Reduction in fossil fuel use and CO₂ emissions per 1 t of material produced.

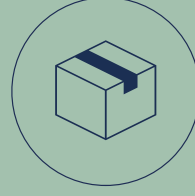
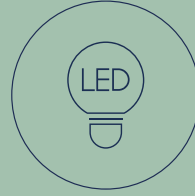
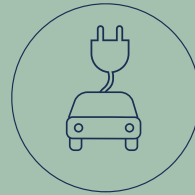
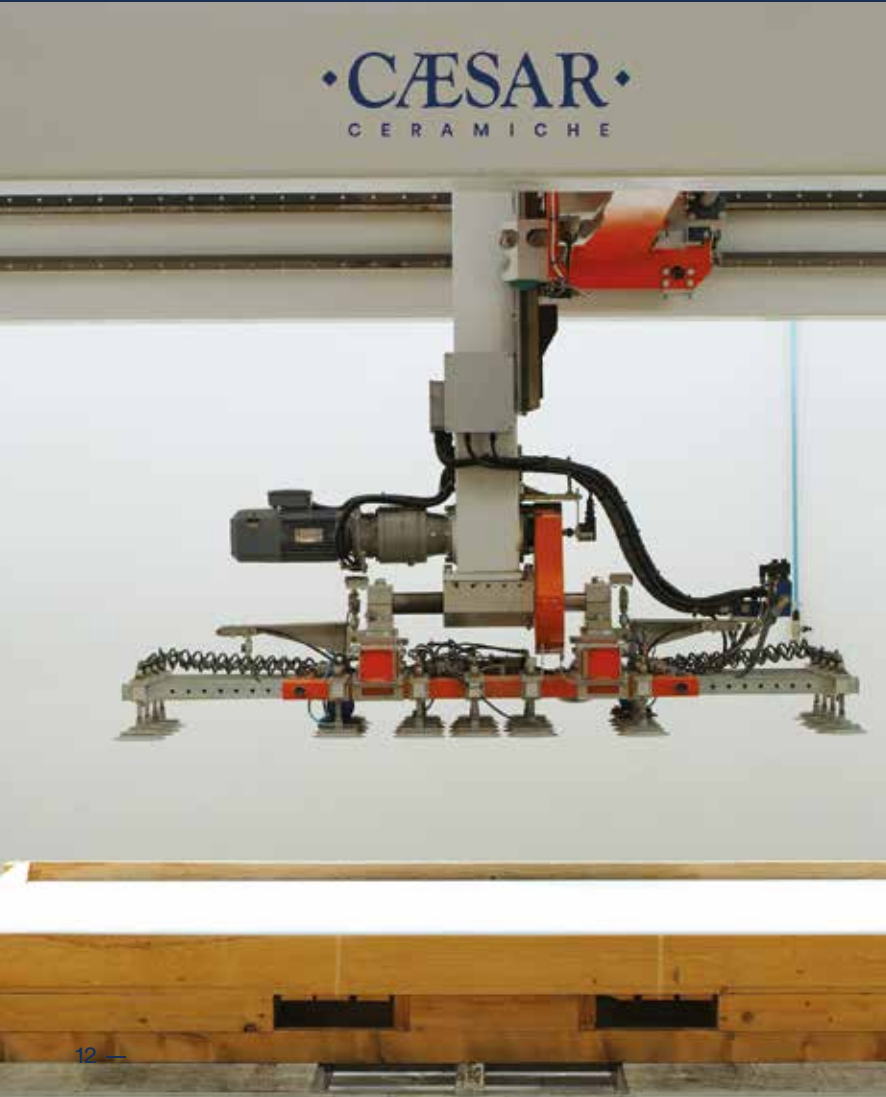


Equal to the amount absorbed by 450.000 trees*

* Using the CO₂ absorption of a medium-sized tree in a temperate climate and in the same time frame as reference

Logistical efficiency

The logistical efficiency carried out over the years has helped reduce the environmental impact and improve worker safety.



Goods to Man System

The order-picking system is inspired by the Goods to Man concept: goods move towards the operators. A sophisticated Warehouse Management System (WMS) software optimises processes, reduces vehicle movements and the resulting CO₂ emissions. This warehouse organisation has enabled us to “save” 7973 km in the first 9 months of 2021, which is roughly the distance between Fiorano Modenese and Nashville (US-TN).

Vehicle electrification

Caesar has been planning for some years now to gradually replace heat-engine vehicles with electrically-powered ones in order to gradually reduce the consumption of fossil fuels. The order-picking shuttles are already electrically powered and soon the forklifts and vehicles will be too.

Book & Go

Caesar was one of the first ceramic factories to have an online platform for load booking. This allows the order to be prepared before the truck arrives. In this way, Book&Go increases efficiency, ensuring better load management and helping to improve vehicle flows within the ceramic district.

LED lighting

All old-generation lighting has been replaced with new LED lighting, which is not only more efficient but also saves a lot of electricity.

Sustainable and reusable packaging

Most of the packaging is made of recyclable materials. Within the company, waste reduction practices are applied even to seemingly minor activities, such as replacing disposable plastic tape with reusable straps. In addition, the adoption of a new packaging system with stretch film saves plastic.

Caesar sustainability certifications

Our products comply with the safety and environmental regulations of the main independent, internationally recognised certification bodies. When you buy Caesar floor and wall tiles, you can be sure that you will be able to design sustainable and healthy environments, thanks to a comprehensive certification system that attests to their excellence.

Product certifications

	<p>ISO 17889-1 - The first standard for sustainable ceramic surfaces This is the most advanced and up-to-date standard for defining environmental, economic and social sustainability parameters for ceramic surfaces. Caesar, together with the other Concorde Group companies, was the first to obtain this certification.</p>
	<p>EPD - Environmental Product Declaration This certification offers a guarantee of the low environmental impact of our ceramic surfaces, referring to the analysis of the entire life cycle of the product, from the extraction of raw materials, to shipping, to the subsequent use of the tiles, to their disposal.</p>
	<p>PEF - Product Environmental Footprint We have a PEF made according to the European recommendations 2013/179/EU, which calculates the impact of a product on the environment during all stages of its life cycle, from extraction of raw materials to its disposal. Caesar and the other Concorde Group companies were the first to obtain the PEF certification.</p>
	<p>FDES - Fiche de Déclaration Environnementale et Sanitaire We have made the environmental and health declaration specifically for the French market, which transparently communicates the environmental impact of products throughout their life cycle.</p>
CAM	<p>CAM - Minimum Environmental Criteria We comply with the technical requirements and quality levels with reduced environmental impact, as set out in the ISO 14021 standard and defined by the Italian Ministry of the Environment, which are essential for the assignment of design services and works aimed at the construction, renovation and maintenance of Italian public buildings.</p>
Declare.	<p>DECLARE - The transparency label for building materials This is a self-declaration in accordance with the ILFI (International Living Future Institute), certifying the transparency of the origin, composition of the product and how it is treated and recycled.</p>
MSDS	<p>MSDS - Material Safety Data Sheet REACH Document listing all hazards to human health/safety and the environment of a product. In particular, the MSDS certifies that Caesar does not use any substances on the REACH list.</p>

Process Certifications

	<p>ISO 14001 - Environmental Management System Certification We were the first ceramic company in the world - back in 1998 - to obtain ISO 14001 certification, thanks to a daily commitment to pursue industrial processes with minimal environmental impact.</p>
	<p>ISO 9001 - Certified Quality Management System The ISO 9001 certification, obtained as early as 1997, attests to our ongoing commitment to global quality, from receipt of raw materials through to dispatch of the finished product and after-sales service.</p>
	<p>ISO 45001 - Implementation of an Occupational Health and Safety Management System A primary objective is to achieve an increasingly safe and comfortable working environment, because human and professional values are central for us at Caesar.</p>
GPP	<p>GPP - Good phytosanitary practices We are listed in a register of companies qualified to ship ceramic tiles to the United States. This daily practice is also consolidated for the preparation of orders to other parts of the world.</p>

Building rating

WELL	<p>WELL (VERSION 2.0) - Building Standard Issued by the WELL Building Institute, this regulation certifies buildings in terms of occupant health and well-being. It is applicable at every stage of building project development, both new designs and renovations. This certification, which we hold jointly with other Concorde Group companies, demonstrates how Caesar products contribute to a higher rating.</p>
LEED	<p>LEED (VERSION 4.1) - Leadership in Energy and Environmental Design The LEED rating system covers the building as a whole, assessing the parameters that contribute to the realisation of healthy, energy-efficient, low environmental impact and aesthetically refined buildings. Caesar's LEED certification attests to the quality of the supply chain - ensuring sustainable land management -, lists all products with recycled material and contributes to the building's rating in terms of indoor environmental quality.</p>

Other national and international certifications

Over the years, we have achieved other important international certifications that give us access to major world markets, including: **UPEC for France and C.C.C. for China.**

Find our more:

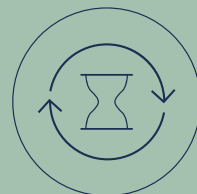


Porcelain tiles: long-life and always beautiful

The outstanding technical properties of Caesar porcelain stoneware make it an environmentally friendly material in its own right and suitable for the concept of a circular economy.



Expected
life cycle



Durable
and recyclable

Porcelain stoneware is the perfect synthesis of aesthetics and performance

It is an extremely durable material: compared to alternative products of natural or artificial origin, it has a **very long expected life cycle of about 50 years**. It resists scratches, wear, abrasion and high loads, while retaining its aesthetic qualities even under the direct influence of weather agents and sunlight.

At the end of its life cycle, Caesar stoneware can be disposed of as inert material.





People
SAFETY & HEALTH

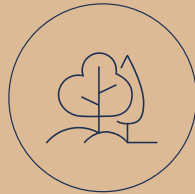
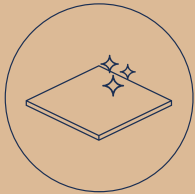
A daily commitment

Caesar is committed every day to the safety and well-being of people, both internally, for its employees and collaborators, and externally, for the many customers all over the world who choose our porcelain tile surfaces for their daily lives.



Natural well-being

Choosing a sustainable and durable material for floor and wall coverings in buildings means creating healthy and safe environments and investing responsibly in the future.



High standards of hygiene

Thanks to its compact surface, porcelain stoneware does not retain dirt, thus combating the spread of germs, mould and bacteria. Water and neutral detergents are sufficient for daily cleaning.



Respect nature

Porcelain stoneware is a completely natural material. It does not contain elements that are harmful to health and does not release organic substances such as volatile organic compounds (VOC) or formaldehyde into the environment.



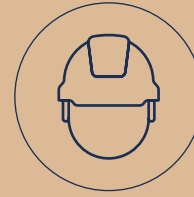
Safe and plastic-free

The safety of our surfaces is very high. As an inert material free of plastics and other chemicals, such as waterproofing agents, paints and resins, porcelain stoneware does not burn and does not produce toxic gases or fumes in the event of fire.



A safe workplace

The safety and well-being of workers is the basis of our social responsibility policy. Caesar has safe working environments, thanks to the adoption of all necessary procedures to reduce risks and safeguard health, as well as to improve comfort in production, commercial and representative environments. This commitment is demonstrated by obtaining ISO 45001 certification.



Focus on workers

Employee motivation

Our company policy focuses on professional and motivational growth. All our employees benefit from continuous technical development and training courses in all departments of the company: for instance, in the two-year period 2020-2021 **courses were provided for a total of more than 1750 hours**, involving **more than 300 people**.

Evolving business models

We have introduced prescriptive measures to reduce risks, alleviate discomfort and ensure safety in the workplace, while maintaining our production efficiency. New business organisation models such as working from home have become an integral part of the way we operate.



Community
SOCIAL RESPONSIBILITY

Everyone counts

Since its foundation, Caesar's governance has been geared towards virtuous inclusion in the local community, which it supports with social and cultural initiatives aimed at fostering its growth and development.



Together every day

We at Caesar are an integral part of the territory. We demonstrate this by supporting local realities, initiatives and activities because we want to pay special attention to the well-being of people inside and outside the company.



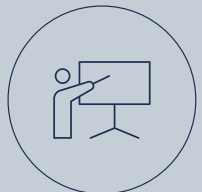
Welfare initiatives

We offer our workers specific welfare projects. These include the **Company Kindergarten**, an educational facility open to the children of all employees and to the local area. It welcomes children from 1 to 5 years old and offers a growth path based on the Montessori method and direct parental involvement.



Supporting the present and the future

We look at people with trust and hope. Through the Concorde Group, we have financed scholarships for the world of education: every year from 2009, 3 to 5 **scholarships** are awarded to university students for thesis projects. Furthermore, **we have supported NGOs** in favour of the most fragile sections of the population, in agreement with local administrations, and sponsored sports clubs in amateur tournaments and **national sports championships**.

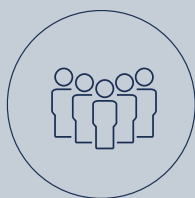




Material 4 Arts

Throughout our history we have supported various initiatives related to the art world. An example of this is the **Caesar Design Film Award**, a competition for short films dedicated to design, which is held on our territory. We also promoted projects and **contests in photography, visual arts and architecture**. All these activities are now collected on the Material 4 Arts website.

Discover our commitment to art at:
<https://www.caesar.it/en/material-4-arts/>



◆ CÆSAR ◆
C E R A M I C H E

everydaycounts.caesar.it

The Every Day Counts project has zero impact on the environment: the carbon dioxide used to produce merchandising and installations is entirely offset.





◆ CÆSAR ◆
C E R A M I C H E

© Ceramiche Caesar S.p.A. - Settembre 2022
È vietata la riproduzione, anche parziale, dell'opera in tutte le sue forme.
Reproduction in any printed catalogue, even partially, is prohibited.