

Sustainability report



GRESPANIA

Introduction

From its very beginning, Grespania's respect for the environment has been one of its fundamental values. Grespania has been a pioneer in the development of environmental sustainability policies, targeting its research and innovation at this field. True to this commitment, it has implemented various environmentally-friendly programmes, such as the installation of its wastewater treatment system, the cogeneration project or planning its tile manufacturing plant in line with the zero-waste concept.

Throughout its history, Grespania has been firmly committed to developing strategies aimed at minimizing the impact of its production processes on the environment. To that end, it has always used natural raw materials of the highest quality and has developed processes involving the most advanced technologies.

Grespania's current range of products includes floor tiles that minimize the generation of waste during construction projects, and wall tiles that purify the air in the atmosphere.

Keenly aware of the need to slow climate change and protect the environment, Grespania has incorporated into its business policy and its strategic plans measures that help bring about short-, medium- and long-term improvements in the environment and in society.

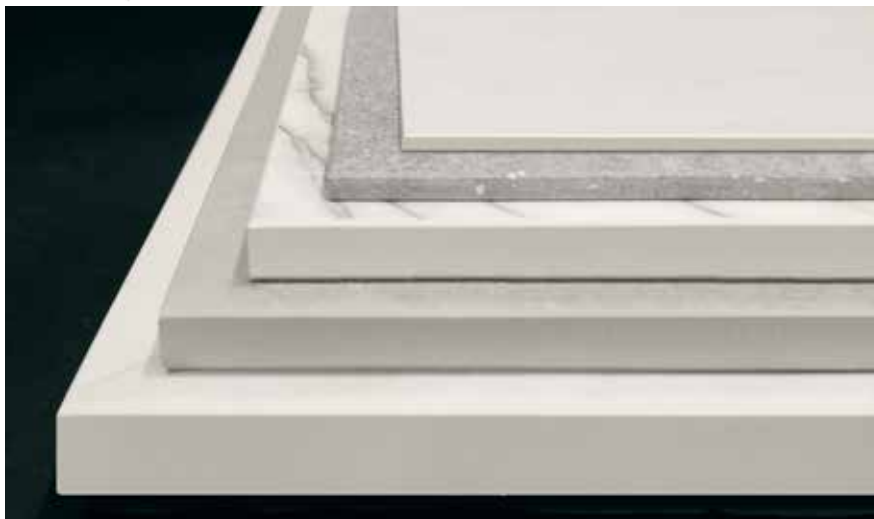


2 Respect for natural resources

2.1 LOCAL RAW MATERIALS

Before the manufacturing process begins, the raw materials are carefully selected and inspected.

When choosing the clays, preference is given to those of national origin, thus minimizing imports and reducing the CO₂ emissions caused by their transportation. In addition, part of Grespania's strategic plan is to further reduce the amount of imported clays in the coming years, by using more local raw materials.



On the other hand, Grespania has gradually reduced the thickness of its products as technological advances have made this possible without compromising performance.

This means less consumption of raw materials and a reduction in transport-related emissions.

3 Environmentally-friendly energy consumption

3.1 REDUCED ENERGY USE

Grespania has a strategic plan for the use of energy. Thanks to this approach, there has been a gradual reduction in the amount of energy consumed, and the necessary actions are being taken to continue cutting energy consumption.

More efficient machinery

The main aim of the ongoing investments in and upgrades of machinery is to ensure more efficient production, that is, production that consumes less energy. This can be achieved thanks to new technologies and the advances made through research.

Grespania also actively participates in studies aimed at reducing energy consumption and making use of renewable sources of energy, such as green hydrogen for kilns and dryers.

TPM System / LEAN Manufacturing

Grespania has a Total Productive Maintenance (TPM) system in its manufacturing plants. Since its implementation, process efficiency has improved and energy consumption has been reduced, which contributes to a more sustainable product. This project affects all phases of product manufacturing, and is complemented by staff members' greater involvement in the production process and the incorporation of their suggestions for how to improve it.



Energy audits and real-time energy consumption monitoring

Grespania has an Integrated Energy Management System. For several years now, it has been undergoing energy audits of its facilities. The aim is to optimize the current energy consumption of processes and facilities, and to detect opportunities for energy saving and efficiency measures, before subsequently implementing the identified measures.

In addition, Grespania monitors and constantly evaluates the energy consumption of its machinery. In this way, any anomalous consumption can be detected instantly, yielding real-time information that allows energy-saving decisions to be made.

Good practices

To ensure that all employees get involved in energy saving, Grespania promotes sustainability as one of the company's fundamental values. It conducts training and motivational workshops for its employees and incorporates a series of good practices into its processes:

- Replacing traditional lights with LED lighting.
- The roofing of all its warehouses has a high percentage of translucent panels to take advantage of natural lighting during the day.
- In offices, documents are gradually being digitized to save paper.

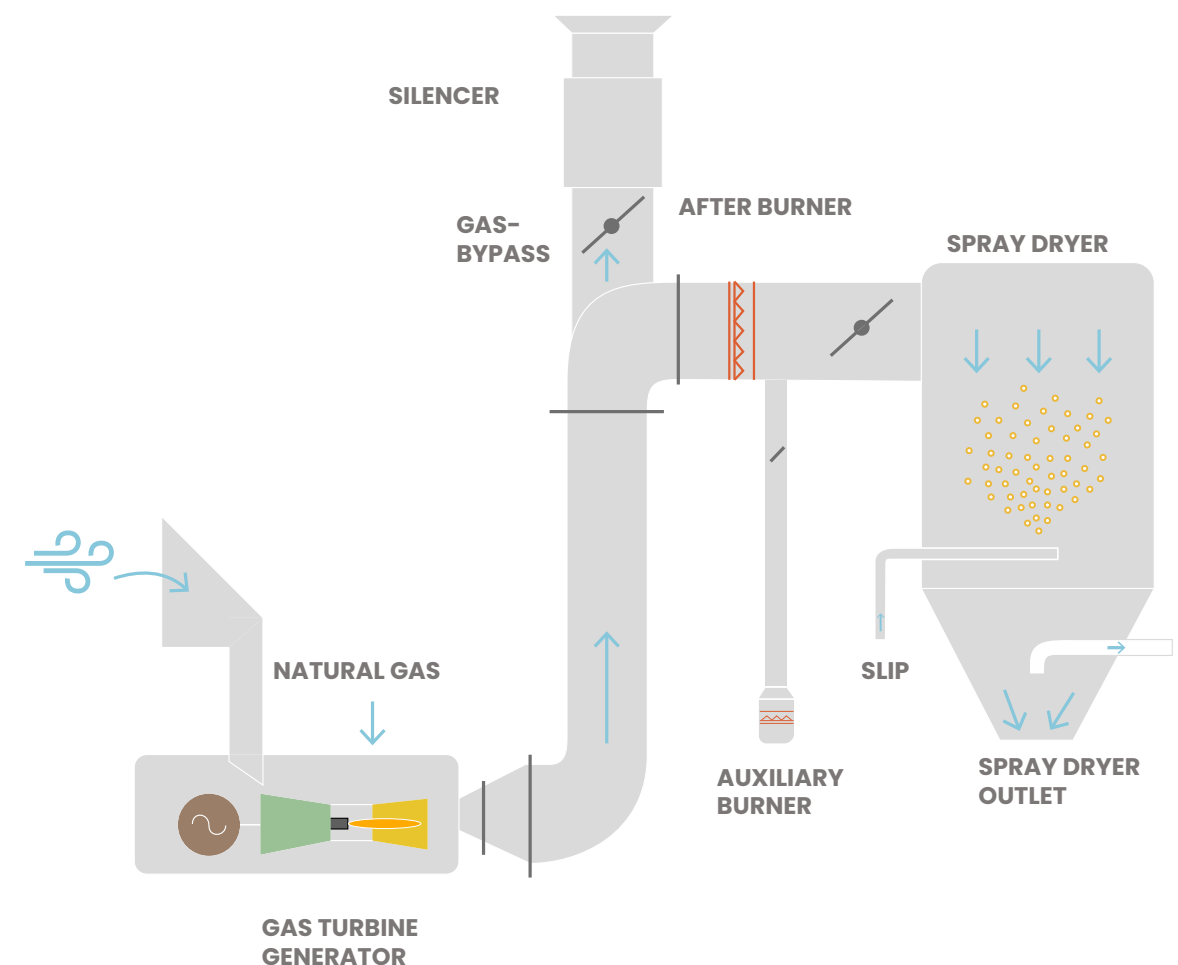


3.2 COGENERATION AND WASTE HEAT RECOVERY

The proper use of energy is both sensible and a way of caring for the future of one of our scarcest goods.

For their clay drying process, Grespania and the companies in its group use a 29MW cogeneration system, which allows the use of natural gas not only for drying the clay, but also for generating electrical energy, thereby enabling significant savings in primary energy consumption.

In addition, the waste heat from the kilns is recovered and used in the drying operations, thus optimizing the energy used.



3.3 GREEN HYDROGEN

Grespania makes investments to keep its machinery up-to-date and opts for technologies that contribute to energy savings. The kilns have been replaced by more efficient, modern ones that consume 22% less energy, emit 20% less CO₂, and the burners are ready to run on 25% hydrogen.

Grespania is actively involved in research on the use of hydrogen as a fuel in kiln burners and dryers.



3.4 INDUSTRY 4.0 MONCOFAR

Grespania has broken new ground with the installation of a complete Industry 4.0 type factory at its facilities in Moncofar. This centre has two production lines that work with intelligent machines, through a sophisticated and interconnected process.

The use of IoT (Internet of the Things) technology, which is a feature of Industry 4.0, means much more consumption monitoring, which in turn enables smarter and more responsible energy management.

Artificial intelligence, analytics and learning technologies are employed to ensure responsible, optimized production that can help combat the effects of climate change (while maintaining high standards of production).

3.5 ECO-DESIGN

Caring for the environment begins in the product design stage. When designing tiles, Grespania takes into account not just their performance and appearance, but also the function they will perform throughout their useful life, including the time when the material is in place and at the end of its life cycle.

Grespania is committed to high-performance raw materials and a meticulous manufacturing process to achieve resistant, durable tiles. Furthermore, it has reduced the thickness of its products while ensuring their performance remains the same, thus saving on fuel used to transport them and cutting the consequent emissions.





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GRESPANIA S.A. uses a
managment system within its'
facilities of Nules, Moncofar and
Castellón in accordance with
ISO 9001:2015 certificate N° 44
100 127697 and ISO 14001:2015
certificate N° 44 104 127697.

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GRESPANIA S.A. DISPONE DE UN SISTEMA DE GESTIÓN DE ACUERDO A LAS
NORMAS ISO 9001:2015 CERTIFICADO N° 44100127697 E ISO 14001:2015
CERTIFICADO N° 44104127697 EN SUS PLANTAS DE NULES, MONCOFAR Y
CASTELLÓN.

GRESPANIA S.A. USES DE MANAGEMENT SYSTEM WITHIN ITS FACILI-
TIES OF NULES, MONCOFAR AND CASTELLON IN ACCORDANCE WITH ISO
9001:2015 CERTIFICATE N° 44100127697 AND ISO 14001:2015 CERTIFICATE
N° 44104127697.