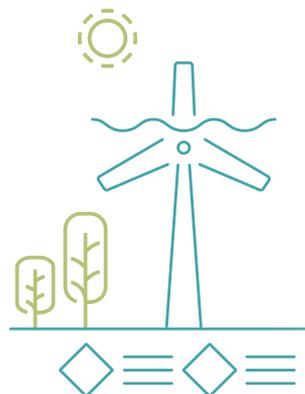


# ENERGY



## ENERGY AT OCP

Energy is the cornerstone to everything that allows us to work, it is the power derived from the utilization of physical or chemical resources, especially to provide light and heat or to work machines.

At OCP, energy takes several forms: it can be electric (such as powering various equipment, engines, conveyors, etc.) or thermal (fossil fuels for trucks and mining equipment, for drying phosphate, etc.).

Thanks to the exothermic processes for producing sulfuric acid, the OCP group also produces a large amount of steam, which drives a turbine to produce electrical energy.

## IT IS A PRIORITY TO INVEST IN CLEAN AND RENEWABLE ENERGIES AS A RESPONSE TO CLIMATE CHANGE

OCP strongly believes in the recommendations outlined by the scientific community to combat global warming; the OCP group has initiated very ambitious targets in the fight against climate change. Since 2018, the group has prioritized a circular economy program that has reinforced its desire to combat the issues of climate change (see Climate Change Policy).

Through PPA (Power Purchase Agreement), the OCP group obtains electricity from wind sources. The OCP Mining sites have been the first to take advantage of this innovation, with those at Gantour and Phosboucraa already registering 100% renewable electricity.

The OCP chemical transformation sites have also recorded largely carbon-free electrical balances: Jorf Lasfar even displays a surplus of clean electricity which is sold to the network. Finally, 80% of the electrical balance of the Safi site comes from the cogeneration of electricity.

In total, the share of clean or renewable electricity in OCP's 2019 balance sheet was 86%. OCP has aims to reach 100% by 2028.



## VISION & OBJECTIVES OCP

The OCP energy vision is focused on clean and renewable energies, coupled with the adoption of energy efficiency practices (design, energy management, certifications and audits...), towards R&D in new green technologies, plus new processes and new ways to integrate these innovations into the group's supply chain.

OCP's energy goals are:

- 100% clean or renewable electricity
- Be efficient in energy management
- Adoption of "Best Available Technologies" design taking into account the energy factor
- Promotion of scientific research for the development of new green solutions (Green Ammonia, rehabilitation of mining land on a solar farm, solar drying, sustainable mobility, etc.)

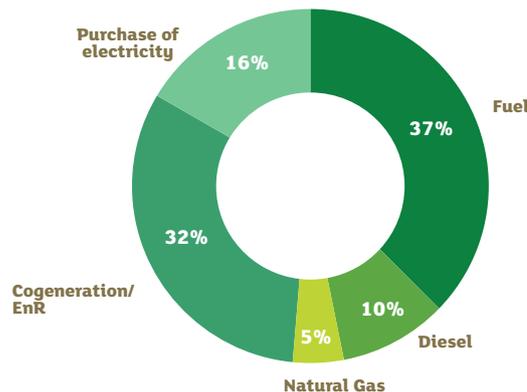


## Energy at OCP in figures:

In 2019, 86% of the electricity consumed at OCP is either cogenerated or renewable.

The energy requirement at OCP is almost 4 TWh, the equivalent electric consumption of 4 million Moroccans

In 2018, OCP consumed 26,720 Terajoules, distributed as follows:



1 terajoule = 277.78 MWh