



ENVIRONMENT



At Sagemcom, acting to protect the environment firstly means designing products and services that help preserve the planet's ecological balance. But it also means limiting the impact of its activities on local ecosystems by taking the environmental and economic situations of different markets into consideration.



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established
a POLICY to
Obtain ISO 14001
certification
FOR its main
OPERATIONAL sites
over 10 years ago**

As part of the ISO 14001 certification, Sagemcom's sites reduce the impact of their everyday operations on the environment. We focus closely on energy consumption, which represents the most significant aspect of the impacts of our sites. In 2016, the overall impact of electricity on Sagemcom's sites dropped by 14% in relation to revenue, with a particular emphasis on our plant in Tunisia, which was ISO 50001-certified for energy management in 2015-2016.

However, while it is important to address the impact of our sites, much of the Group's efforts are focused on the ecodesign of our products. Indeed, their impact throughout their life cycle represents 99% of the impact of the Sagemcom group.

REDUCING CONSUMPTION AND EMISSIONS ON OUR SITES

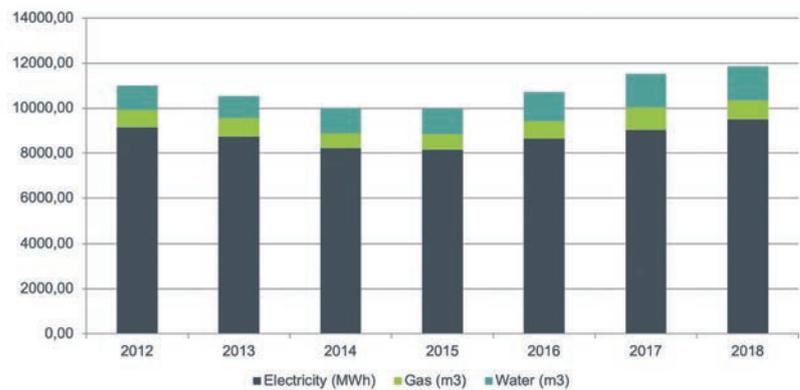
Our site environmental management system

Sagemcom established a policy to obtain ISO 14001 certification for its main operational sites over 10 years ago. In accordance with the regulations, and those applying to classified facilities in particular, we are determined to control environmental aspects, such as pollution of the air, water and soil, noise nuisances, waste production, consumption (water, energy, etc.) and the management of hazardous substances.

These measures are taken in our establishments under the responsibility of the Site Manager, in close collaboration with the environmental officers and according to continual improvement processes.

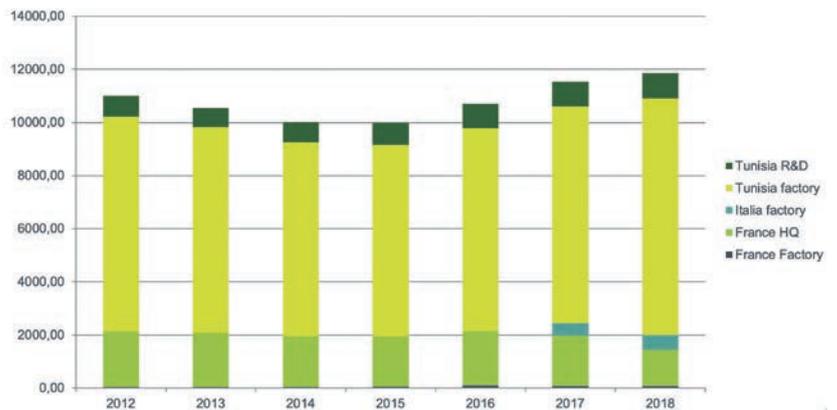
In comparison with the preceding years, an analysis of the 2018 water / gas / electricity consumption demonstrates the importance of the energy efficiency of our sites, relative to other forms of consumption.

Annual impact by consumption type (tonnes of CO2eq)

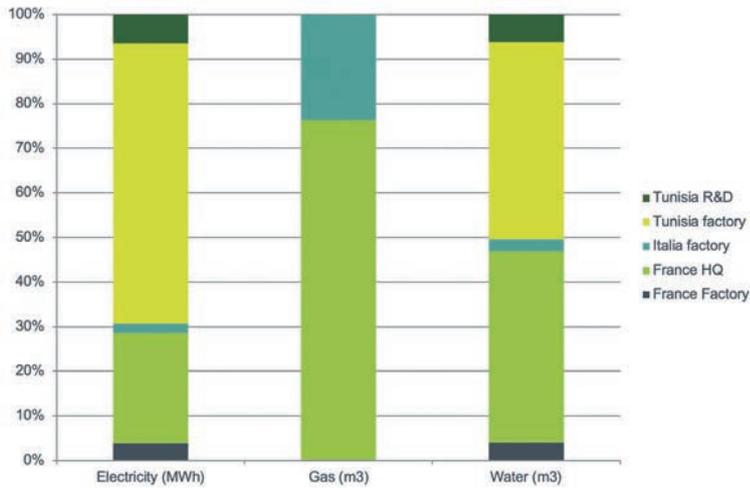


Our production plant in Tunisia is particularly close to the heart of our environmental concerns and benefits from specific energy controls in the form of an ISO 50001-certified management system.

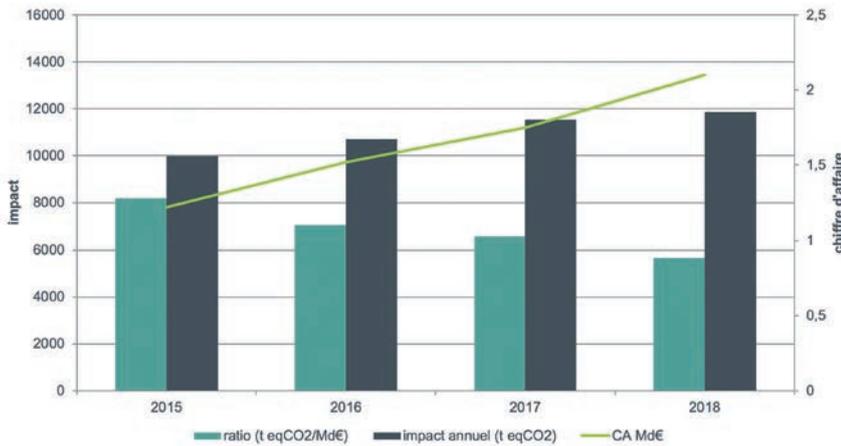
Annual carbon impact - Sagemcom group, per operational site (tonnes of CO2eq)



Breakdown of 2018 consumptions per site



**Ration of CO2 emission / turnover
(perimeter site, water / gaz / electricity consumption)**



Overall, the improvement of our processes has resulted in a 31% reduction of the impact relative to turnover between 2015 and 2018!

A CONCRETE CASE

Our site in Rueil-Malmaison hosts the group's head office and the Sagemcom Energy & Telecom subsidiary, including its R&D activity. Our site in Rueil-Malmaison accounts for about 25% of the group's electricity consumption and 75% of its gas consumption. Therefore, it is quite legitimate to promote the environmental approach of this site, which is primarily dedicated to intellectual activities. Three main priorities has been identified.

Electricity consumption: electricity from renewable sources

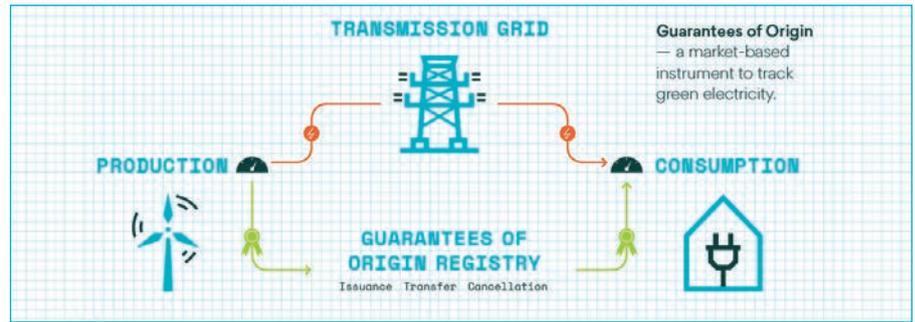
As part of its ISO 14001 management, Sagemcom has opted, not only to take steps to reduce its energy consumption, but also to contribute to the development of renewable energy by signing a contract on 1 July 2017 for the supply of electricity that is certified as coming from renewable sources equivalent to the consumption of our sites in Rueil-Malmaison (head office) and Taden (production of smart meters), or 100% of its consumption in France. This promise is materialised by the production of Guarantees of Origin.

This means that our electricity supplier agrees to inject renewably produced electricity into the grid.



**OUR ELECTRICITY
SUPPLIER AGREES TO
INJECT RENEWABLY
PRODUCED
ELECTRICITY INTO
THE GRID**

**the employees
OF SAGEMCOM
S&T TOOK PART IN
the GREEN BOOTS
OPERATION. The
OPERATION PLANTED
320 trees over
two years as part
OF the EFFORTS
TO SUPPORT
REFORESTATION IN
TUNISIA**



A Guarantee of Origin represents 1 megawatt hour of electricity produced in a given month and contains all the relevant information about the power plant. At the end of each month, the producers receive Guarantees of Origin indicating the net electricity that is actually injected into the grid. This is the issuing process. These certificates can be electronically transferred and used to confirm the renewable nature of the energy consumer by the end users.

Our utility injected about 10,500 MWh into the grid on Sagemcom’s behalf from sustainable sources of production in France. This operation reduced emissions by an estimated 1,371 tonnes CO2 equivalent between July 2017 and December 2018.

Gas consumption

In December 2018, a carbon-neutral option was added to our gas supply contract, meaning that every MWh of gas consumed is compensated. Sagemcom has gone even further by promising to inject the equivalent of 30% of our consumption in bio-methane produced in waste-to-energy units in France. By December 2018, 180 MWh of biogas has been injected into the grid on our behalf.

Waste management

We work with several service providers to optimise our recycling circuits that go beyond our regulatory obligations. We entered our first partnership in 2018 with Cèdre Recyclage. This enterprise aims to actively participate in the protection of the environment and to help disabled people to find work. In 2018, Cèdre collected 11.3 tonnes of waste:

- 4.4 tonnes of wood from pallets
- 5.4 tonnes of used furniture
- 1.2 tonnes of paper
- 0.3 tonnes of other waste

The enterprise achieved significant environmental gains:



SAGEMCOM SOFTWARE ET TECHNOLOGIES

Even if its impact is small compared with that of the group’s production sites, our R&D centre in Mégrine, Tunisia deploys responsible action plans designed to protect the environment in particular.

In 2017 and 2018, the employees of Sagemcom S&T took part in the Green Boots operation, organised by the TACT NGO. The operation planted 320 trees over two years as part of the efforts to support reforestation in Tunisia.

Gains are estimated at 570 tonnes CO2 eq. .

Le 19/11/2017 à Zaldou - Testour
Gouvernorat de Béja

**GREEN BOOTS
FIRST EDITION**

