





[...] Based on Our long-term vision, which accounts for trends and developments in the global energy situation that will emerge over the course of the coming decades, We are making energy availability, security of supply and environmental protection Our top priorities.

Therefore Our country must constantly prepare itself for, and adapt to the various changes that will come, so that we can ensure social and economic development whilst meeting our growing energy needs sustainably.

[...] We are focused on the need to diversify our energy sources, to mobilize our renewable resources.

Jes. 77

Extract from a speech by His Majesty King Mohammed VI, may God bless him, to attendees at the first national energy conference, which began on 6 March 2009 in Rabat.

[...] Since the world became aware, in Rio in 1992, of the urgent need to address climate change, the Kingdom of Morocco has firmly aligned its proactive policy on sustainable development and environmental protection with the international community's global effort, through a series of constitutional, legislative, institutional and regulatory reforms. [...] Therefore, the target to achieve 42% of the country's energy mix from renewable sources by 2020 has recently been raised to 52% by 2030.

Morocco's ambitious, substantial "Intended, Nationally Determined Contribution" under the United Nations Framework Convention on Climate Change confirms the Kingdom's avant-garde approach.

Extract from a speech by His Majesty King Mohammed VI at the 21st Conference of the Parties to the United Nations Framework Convention on Climate Change on Monday 30 November 2015 in Paris.



WHO ARE WE?

IN WORDS

Morocco places particular importance on protecting the environment and ensuring our plans for socioeconomic development adhere to the vision of sustainable development.

As a committed player that stands shoulder-to-shoulder with the international community in the fight against climate change, the Kingdom has made the decision to pursue low-carbon growth and employ appropriate energy strategies.

In order to reconcile the country's growing energy needs with requirements to protect the environment, the national energy strategy aims to increase the share of renewable energy - hydro, wind and solar power, plus biomass and eventually other clean resources - in the country's total power generation capacity. The target set for 2030 is to achieve 52 per cent of the energy mix from renewable sources.

Created in 2010, Masen, the central player in this national strategy, is in charge, alongside the National Office of Electricity and Potable Water (ONEE), of implementing the Royal vision for renewable energy. Together, the resources deployed to make this vision a reality, the experience of developing projects in partnership with ONEE and the resulting expertise, put Morocco in a strong strategic position on the continental and world stage in the renewable energy sector.

MASEN

It is both a great honour for Masen and an everyday challenge to be the central player for renewable energy in Morocco. With our unique model, we must be present at every stage of development of renewables projects, from site assessment to maintenance, design, funding, construction and operation of large-scale projects. R&D and development of a competitive national renewables industry are also at the heart of our prerogatives.

MASEN AND RENEWABLE DEVELOPMENT

IN FIGURES

OUR NATIONAL TARGETS

42%

of the energy mix from renewable sources by 2020

52%

of the energy mix from renewable sources by 2030

3

priority resources: solar, wind and hydraulic

MASEN'S CONTRIBUTION TO MEETING THIS TARGET

3000 MW

total minimum additional capacity by 2020

6000 MW

total minimum additional capacity by 2030

OUR MISSIONS

Integrated development of REN* installations at the highest international standards.

Contribution to the emergence of national expertise in the field of renewable energy.

Development of the local areas Masen operates in, following a sustainable model involving economic, human and environmental criteria.

designed to be applied on a continental and international scale.



MASEN'S EXPERTISE

With a unique model for intervention, Masen provides its integrated projects with a range of multidisciplinary skills and expertise.

Specific expertise are found in the development of REN installations, forming a complete and coherent chain.



BE OPEN-MINDED

At Masen, we're always listening. Listening to a world that's teeming with innovation, listening to the Moroccan and African environments around us and their challenges, and also listening to each other. At Masen, we have open minds, and that's how we carry out our missions.

OBAID AMRANE / MASEN MANAGEMENT

DEVELOPMENT IS AT THE HEART OF OUR APPROACH





DAYAE OUDGHIRI / MASEN MANAGEMENT

WHAT DO WE DO?

IN WORDS

Masen generates electricity from renewable energy. Its projects harness these power sources to make the best use of solar, wind and hydraulic by choosing appropriate technology for the sites selected and needs identified.

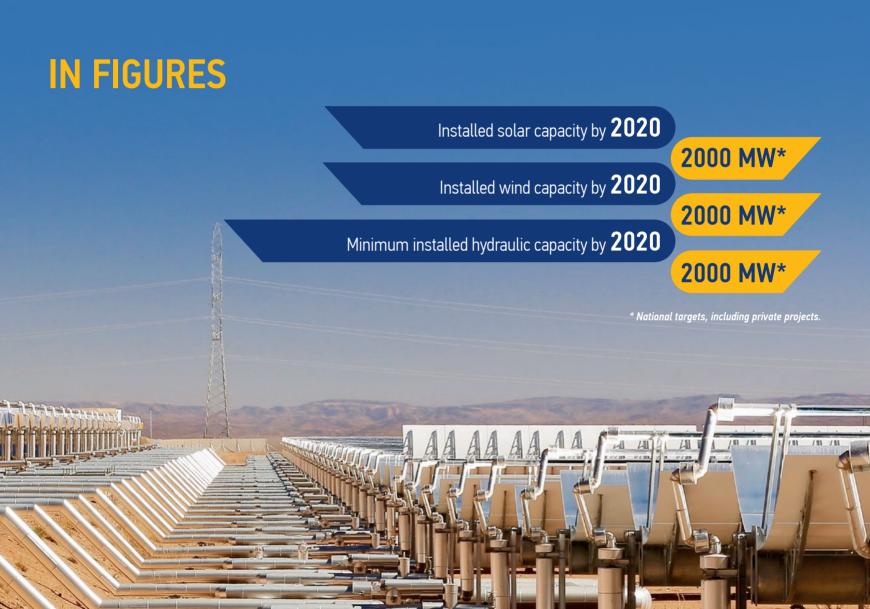
As the key contributor, alongside ONEE, to achieving national targets, Masen pays special attention to the environmental impact of its projects, on the social, economic and environmental aspects.

TAKING ACTION

Every project is a separate experience we draw on to improve our work year after year. At Masen, we make progress through taking action.

MASEN TEAM

MASEN AND RENEWABLES IN ACTION



TODAY... A RENEWABLE MOROCCO



MAKING ENERGY AND TECHNOLOGY WORK TOGETHER

As the sole player managing renewable technology in Morocco, Masen is able to identify the best, most innovative technological configurations to generate the most useful electricity for the national electrical grid.

It is the diversification of renewable energy sources in the national mix that allows for a flexible electricity generation that can be adapted to the consumer demand whilst optimizing the cost per Kwh.

Masen makes the most of these sources and chooses the most adapted technological configuration to the needs identified. The major forms of technology either developed or at the planning stage in Morocco are:

- solar thermal (concentrated and photovoltaic);
- onshore wind;
- hydroelectric dams and pumped storage hydroelectric.

Other forms of technology could be operated in the foreseeable future.

WHAT ABOUT TOMORROW?

By gaining expertise in renewable energy development and optimizing the price of electricity, Masen, together with ONEE, is strengthening Morocco's advantageous position in the renewables sector at regional, continental and international level.

While the energy situation in Africa is defined by a major electricity shortfall and growing demand, Europe is facing stable but high energy demand, coupled with obligations to ensure a higher proportion of its energy mix comes from renewable sources.

By capitalizing on the national expertise Masen has developed, Morocco can already help address Africa's energy challenge. Its strategic geographical position, strengthened by the interconnected electricity transmission infrastructure in place and under construction, make the Kingdom a real hub for trade with Africa and also between Africa and Europe.

HOW DO WE DO IT?

IN WORDS

Masen operates renewable energy sites that transform natural energy into power for progress. The integrated model Masen has devised aims to establish self-sustaining and financially viable ecosystems.

In addition to producing electricity and raising the funds required to do so, Masen seeks to develop a competitive economic network that employs existing skills efficiently and helps create new ones. At the same time, Masen supports and fosters the development of applied research and the promotion of technological innovation. This support for innovation, which is at the core of Masen's integrated approach, is illustrated by the creation of an R&D platform on-site at the Noor Ouarzazate solar complex.

The local development strategy Masen has developed — a true reflection of its integrated approach — helps the region that hosts its projects to achieve territorial equity and sustainable growth.

Finally, the constant concern for protecting the environment and reducing greenhouse gas emissions underpins Masen's entire approach.

MASEN AND INTEGRATED ENERGY

200

hectares of R&D platform

IN FIGURES

35%

of industrial integration for the development of Noor II and Noor III

22 000

direct and indirect beneficiaries of Masen's local development programme (2010–2015)



A LOCAL, NATIONAL AND ENVIRONMENTAL INTEGRATION

DEVELOP LOCALLY AND SUSTAINABLY

Masen seeks to maximize the synergy and the benefits of its energy projects by helping fight poverty, improving living conditions for people near its energy production sites, promoting shared, sustainable economic development, and protect the environment.

Masen adapts its actions to the socioeconomic profile of the Masen operates in, and takes action in many sectors, especially basic infrastructure, education, health and agriculture.

FOCUS ON THE LOCAL DEVELOPMENT STRATEGY

Masen's strategy for local development is based on three approaches to intervention:

PRIORITIZATION



PROMOTING TERRITORIAL DEVELOPMENT

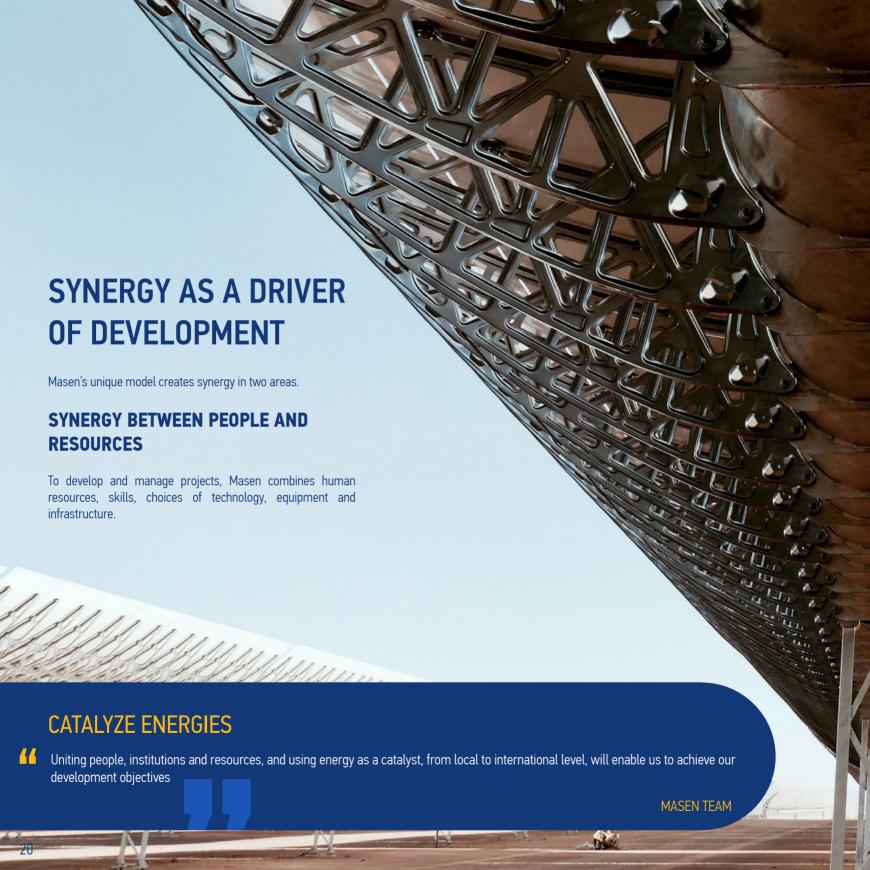


OPENING UP TERRITORIES



IMPROVING THE SOCIAL ENVIRONMENT OF THE POPULATION









endless power for progress

