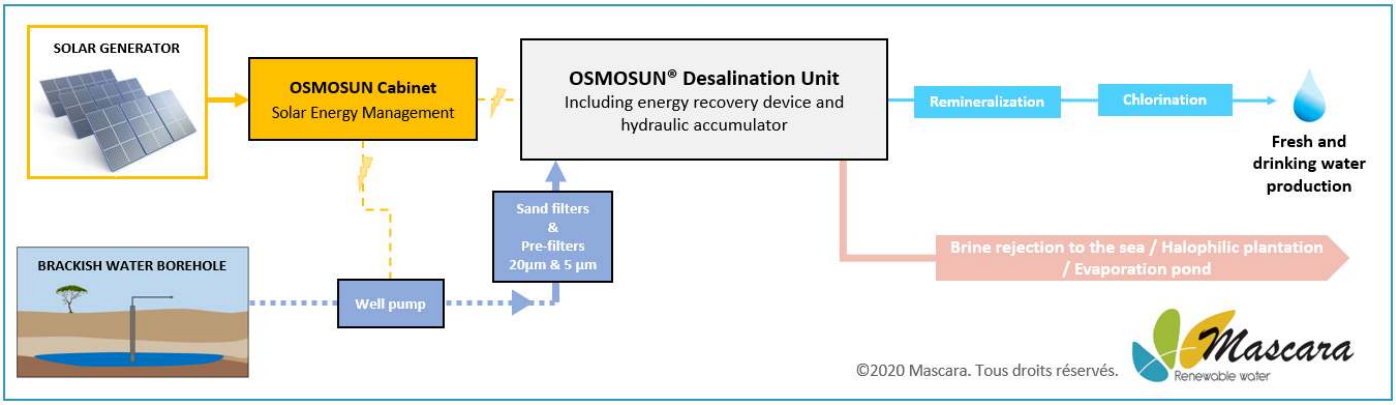
FIRST SOLAR DESALINATION PROJECT IN OMAN

FATHKAIT COMMUNITY, DHOFAR

Drinking water daily production of 21m^3 powered by 100% solar energy

OSMOSUN® UNIT OVERVIEW



CONTEXT

The Dhofar Region hosts Oman's first major Wind Farm with a capacity of 50 MW.

Alongside this large scale renewable energy production project and to support the local sustainable development, a Community Project for the local Fathkait community was implemented.

Mascara manufactured the reverse osmosis unit, and the project was designed, installed and commissionned by Mascara supported by Mazoon FAHOUD Trading Ltd.

50 MW Dhofar Wind Farm, Southern Oman

TECHNOLOGY'S UNIQUE FEATURES

100% SOLAR ENERGY

Without battery, without fossil fuel and no CO_2 emission

STRONG ECONOMIC COMPETITIVENESS

Return on investment from 3 to 5 years with one of the lowest water costs

LOW ENERGY CONSUMPTION

1.5 kWh/m^3 : lowest level of advanced desalination technologies

NEW PATH FOR A SUSTAINABLE WATER SUPPLY OF RURAL AREAS

Containerized OSMOSUN® 3 BW

Oman has always been a water scarce country, taking the most of any available resource.

The implementation of this OSMOSUN® unit, using only solar energy to supply high quality drinking water from the underground brackish water, showcases a sustainable solution for the water supply of all the remote villages of the country.

Using the massive solar potential of the region to address its daily challenges with no green house gaz emission is critical to preserve its future.

CONTACTS

LOCAL CONTACT - OMAN

Musallam HAMED, Mazoon Fahoud Trading Ltd
musallam@mazoonfahoud.com *+96 899 272 005*

MASCARA HQ - FRANCE

Martin BOURILLET, Mascara France
m.bourillet@mascara-nt.fr *+33 7 67 26 79 25*