PRESS RELEASE

10 million M³ of fresh water produced for the OSMOSUN desalination plant at Lake Ghoubet in Djibouti

Chartres; Cape Town, October 17, 2024 - **OSMOSUN®, a leading provider of solar-powered seawater and brackish water desalination solutions, and its partner IWS (Impact Water Solutions), an integrator and developer of water access solutions, announce that they have produced 10 million m³ of fresh water from their seawater desalination unit installed at Lake Ghoubet, Djibouti.**

An arid country located on the western coast of the southern outlet of the Red Sea, Djibouti has always suffered from a major shortage of fresh water, making it dependent on its neighbors. The construction of a desalination plant in Doraleh for the capital has provided the beginnings of a response, but many communities, often rural and isolated, continue to suffer from both water stress and energy insecurity.

In this context, African developer Impact Water Solutions (IWS) has targeted communities on the shores of Lake Ghoubet to set up a mini drinking water distribution network, fed by a self-sufficient desalination unit. A long-standing partner of Osmosun, with several installations deployed together and already in operation, IWS developed, financed and then installed this high social impact, low-carbon, fully autonomous project.

This project supplies more than a thousand people with drinking water from an OSMOSUN 7 SW system, powered by a 40kWp photovoltaic plant, with no batteries and no connection to the electricity grid. The installation comprises two 40m tanks³ and 7 km of piping and is controlled by an intelligent system that optimizes the energy supply and distribution of fresh water to the standpipes.

Since its commissioning in the summer of 2023, it has produced 10 million M³ of fresh water in a decarbonized way with very low environmental impact. The use of battery-free solar panels to produce and distribute drinking water avoids the emission of almost 45 tonnes of CO_2 per year.

The investment and financial package for this project, drawn up by IWS and its partners under a 20-year contract, means that water will be made available free of charge to the local population. The operation of this plant has created 17 jobs, including 3 skilled ones which are now permanent.

On the strength of this success, Osmosun and IWS are already working on new projects in sub-Saharan Africa to continue to provide access to water for all in a low-carbon, sustainable way.

"We are particularly proud of the success of this impact project, which on its own meets no less than 5 of the UN's Sustainable Development Goals," explains **Romain Sormani Director of IWS**. *"Our raison d'être is to develop and operate projects that have a positive impact on their beneficiaries, offering development prospects, while respecting the environment with sustainable solutions. That's exactly what we've done here, and we're particularly pleased about it."*

"The Djibouti installation is a particularly successful new project, adding to those successfully developed over the years with IWS," adds **Maxime Haudebourg, Managing Director and co-founder of Osmosun**. "*This installation was a real challenge both in terms of design and deployment, given the country's extreme temperatures. That's why reaching this milestone of 10 million M^3 represents a great satisfaction for us."*

PRESS RELEASE

ABOUT OSMOSUN®

Founded in 2014, OSMOSUN® 's ambition is to become a leading player in the low-carbon water market in order to make drinking water accessible to all.

OSMOSUN® has developed a unique, patented, cost-effective, clean and sustainable solution for solar-powered battery-free seawater and brackish water desalination. This innovation makes OSMOSUN® units among the most energy-efficient and cost-effective solutions in the world. The water production capacities of its units range from 1 m3 to 50,000 m3 per day.

By 31 December 2023, 69 desalination units have been sold in 27 countries.

More information: OSMOSUN® | Create water where life is

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