

**TANGER MED**

**TANGER MED: PIONEERING FLOATING SOLAR POWER**  
**SCALLING INNOVATION FOR SUSTAINABLE PORT INFRASTRUCTURE**

## SCALE & INNOVATION

### Mediterranean's Largest Facility

Introducing one of the Mediterranean's largest floating solar parks, specifically designed for industrial maritime excellence.

Tanger Med has developed a 13 MW floating photovoltaic park on the retention reservoir of the port complex's dam, a pioneering clean energy project combining renewable electricity generation, carbon reduction, and water resource preservation within a single infrastructure.

- **8 Hectares** of coverage area on the Oued Rmel dam.
- **Over 22,000 Photovoltaic Panels** installed for maximum efficiency.
- Seamlessly blends clean electricity generation with critical water resource management.



**TANGER MED**

# ENGINEERING EXCELLENCE

## Advanced Anchoring

Engineered to overcome unique hydrologic challenges with a sophisticated stability system.

**400** Concrete Counterweights manage platform stability against heavy winds and currents

## Dynamic Fluctuations

Designed for resilience in changing environments.

The infrastructure manages **water level fluctuations of up to 40 meters**, ensuring continuous operations year-round

# QUANTIFIABLE POWER GAINS

## Annual Clean Electricity Production



Significantly reducing the Tanger Med Port Complex's reliance on external power grids while accelerating the transition to 100% green energy supply.

## Annual CO2 Reduction



ACHIEVES AN ANNUAL REDUCTION OF 14,000 TONNES OF CO<sub>2</sub> EMISSIONS, CONTRIBUTING DIRECTLY TO CLIMATE CHANGE MITIGATION EFFORTS

## Evaporation Reduction



Provides an environmental co-benefit by reducing water evaporation by **UP TO 30%**, preserving vital freshwater reserves



## GLOBAL GOALS. LOCAL ACTION.



SDG 6

Ensuring availability and sustainable management of water and sanitation for all.



SDG 7

Ensuring access to affordable, reliable, and sustainable modern energy for all.



SDG 13

Taking urgent action to combat climate change and its immediate environmental impacts.

### Strategic Leadership

#### Setting the Benchmark

Tanger Med Port Complex establishes itself a leading benchmark for sustainability within the Mediterranean region.

This Project demonstrates how port infrastructure can serve as a catalyst for broader national energy and water conservation ambitions.

A Replicable and Scalable Model for ports worldwide.

#### A National Vision

Developed through vital collaboration with Morocco's Ministry of Equipment and Water, ensuring perfect alignment with national water strategies.

This Initiative amplifies both renewable energy generation and critical water preservation at a national scale, serving as a template for future developments.

An aerial photograph of a large concrete dam with a reservoir behind it. The reservoir is filled with numerous rectangular solar panels floating on the water's surface. The surrounding landscape is hilly and green. The text 'TANGER MED' is overlaid in white, and 'Where performance meets sustainability' is overlaid in green below it.

# TANGER MED

Where performance meets sustainability