Energy Transition Plan in Port of TANGER MED
Tanger Med GHG Reduction Commitments

1. **Energy Transition**
   Increase renewables share in our energy mix

2. **Ships supplied with Green Energy**
   Increase usage of green technologies

3. **Green Mobility**
   Develop infrastructure for pull tracks and ships energy supply

4. **Recycling**
   Revalue waste and hydrocarbons

5. **Reuse**
   Irrigate green spaces with treated wastewater
1 Energy Transition Ambition

- Wind Park Potential 30 MW
- \( \frac{14}{m/s} \)
- \( E = +108 \text{ GWh} \)

- Project in construction
- In operation by the end of 2022
- \( P = 1.4 \text{ MW rooftop park} \)
- \( E = +2.24 \text{ GWh} \)

- floating solar park
- \( P = 45 \text{ MWp} \)
- \( E = +72 \text{ GWh} \)
- 1600 MWh/MWp
Ships supplied with Green Energy

**Phase 1 (2023):** Two OPS stations (12 MVA) of 8 MVA in TM2, 4 MVA in Passenger Port

**Phase 2 (2025):** Four OPS stations TM1 et TM2 32MVA

**Phase 3 (2026):** capacity increase TM1-TM2 (52 MVA)

Call for tender launched (Phase 1) March 2022

Improve Tanger Med offer’s for ships

Voluntarily comply with European requirements regarding the Green Deal roadmap.
Green Mobility

Green H2 as a key growth for Morocco

Green Mobility is part of Moroccan Green Hydrogen Roadmap

Green Mobility as part of Tanger Med action plan

Pilot project is under development (Electric vehicles & H2 pull truck)

Mobility with green H2 under study for a pipe of +100 pull tracks
4 Recycling

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<th>Waste</th>
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<td>Tanger Med Utilities planned to recycle 100% of the port complex by 2023</td>
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<th>Hydrocarbons-Sludge</th>
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<td>Tanger Med has built a partnership with Sertego to recycle 25000 tons of hydrocarbons waste per year</td>
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m3 treated wastewater reused in 2021 to irrigate +40 Ha of Tanger Med’s green spaces