

UPDATE ON THE MOROCCAN SOLAR PLAN

Presentation to the CTF Trust Fund Committee – May 3, 2013





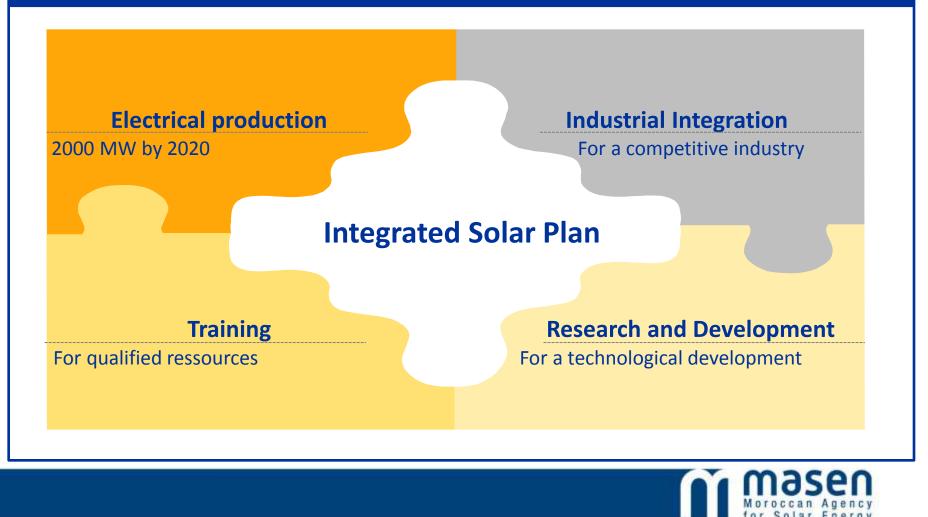
Moroccan Solar Plan: Definition reminder

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ENERGY AND ENVIRONMENT VISION FOR SOCIO ECONOMIC DEVELOPMENT

Integrated plan aiming at the valuation and the enhancement of the solar resource



Solar Complex of Ouarzazate: 500 MW by 2015 / 2016

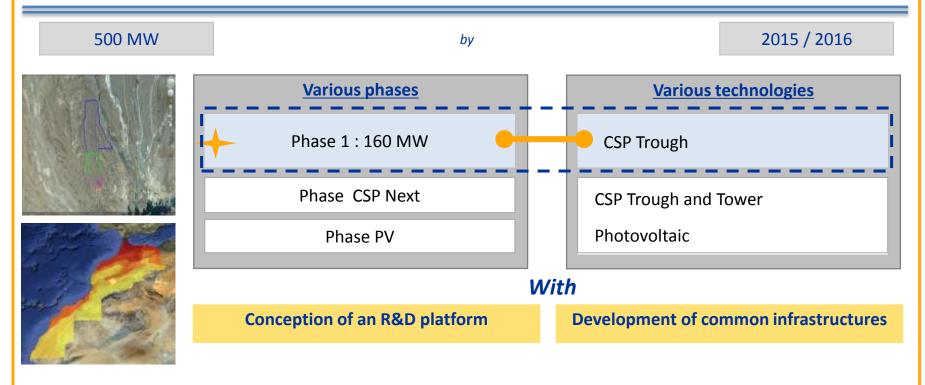
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DEVELOPMENT OF OZZ COMPLEX THROUGH PHASES

With regard to solar energy specificities, development of the complex through phases







BEARING OF THE COMMON INFRASTRUCTURES OF THE SITE (ICs)

ICs developed by Masen, to minimize the risks related to their development and to provide increased visibility to developers



IN PARALLEL, LOCAL DEVELOPMENT ACTIONS (1/2)





IN PARALLEL, LOCAL DEVELOPMENT ACTIONS (2/2)







OZZ 1st Phase: Construction about to start!

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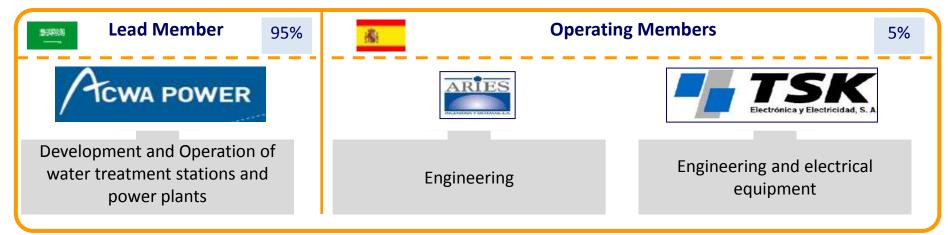


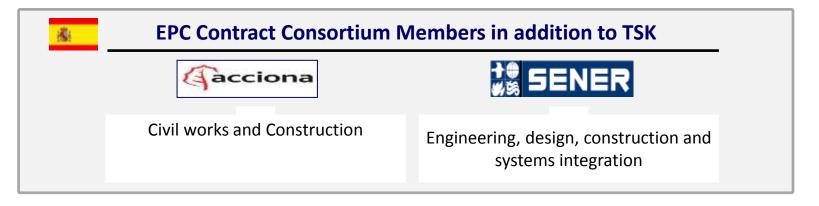
VARIOUS STEPS ACHIEVED AFTER CTF APPROVAL

Since CTF approval, selection process and contracts achieved, with an imminent construction launch 1st phase schedule 2010 2011 2012 2013 **Request for Financial Request for proposals** qualification Close 2nd step 1st step Contractualisation Eval. **Evaluation of 19 proposals RFP Launch** Technical bids **Final Preparation and** Contracts PPA Nego with / pre-qualification of 4 bids submission of evaluation Analisation **Financing contract** preferred candidates Shareholder Agreement the technical bidder bids 24 dec 27 june 29 july 18 may 19 aug. Sep <u>21 mar.</u> 26 apr Award CTF **Approval** IFI's Non Objection \rangle Achieved

OZZ1, AWARDED TO KEY INTERNATIONAL PLAYERS

Selected Consortium







OZZ 1, CONCRETE RESULTS OF AN OVERALL OPTIMIZATION PROCESS



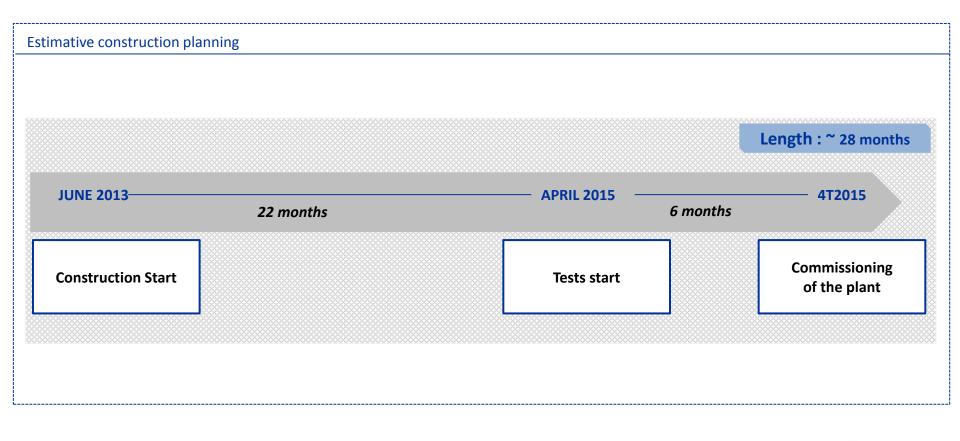


Strong institutional commitment backing a clear vision and precise objectives



OZZ 1 CONSTRUCTION TO START VERY SOON

Design already started / Works to begin in the coming weeks



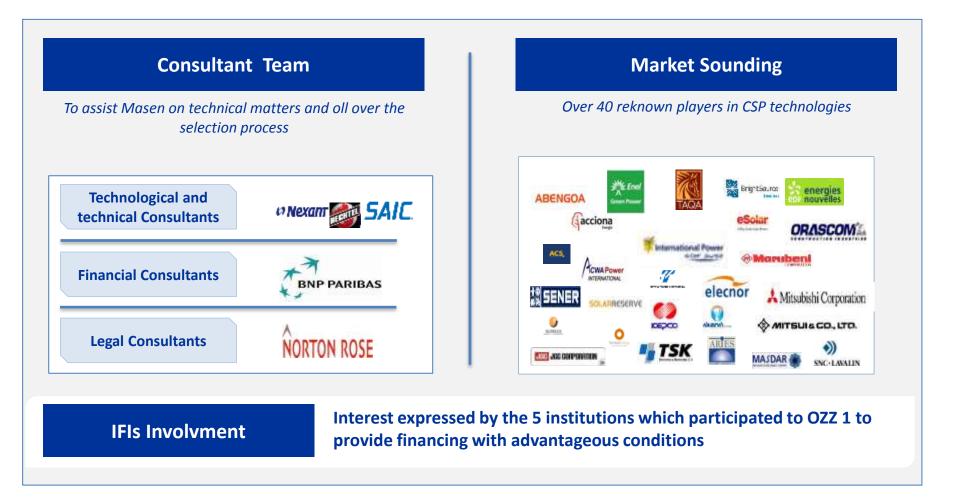


OZZ CSP Next, start of the selection process

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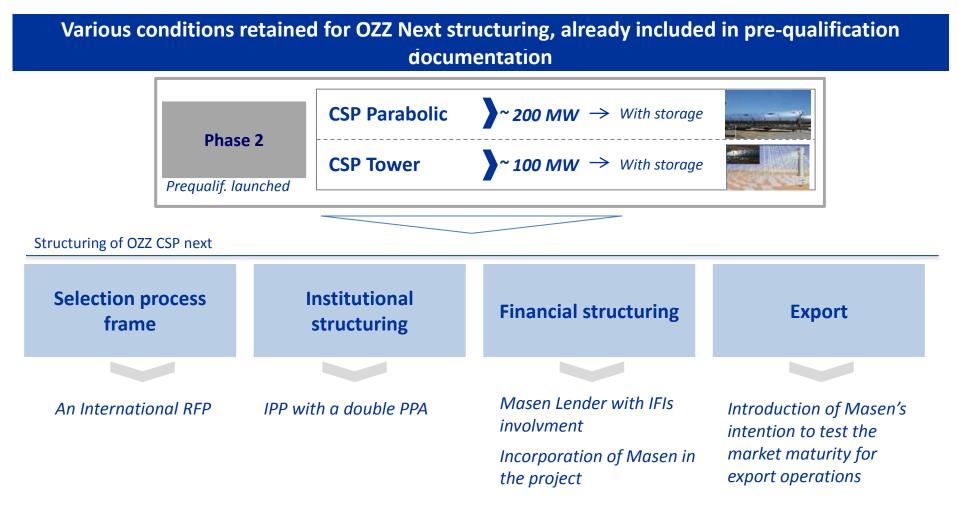


PRE-REQUISITES MET FOR THE PREQUALIFICATION START





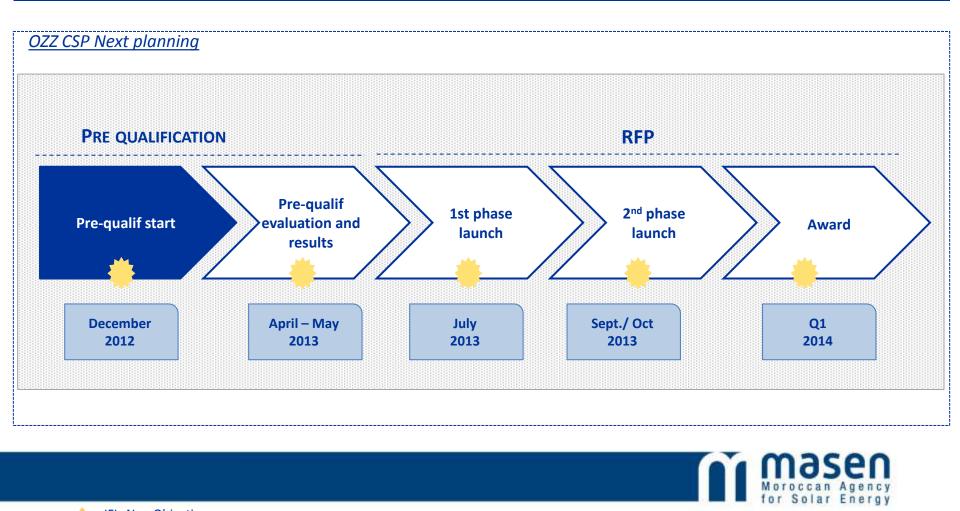
PRE-QUALIFICATION PROCESS ALREADY LAUNCHED





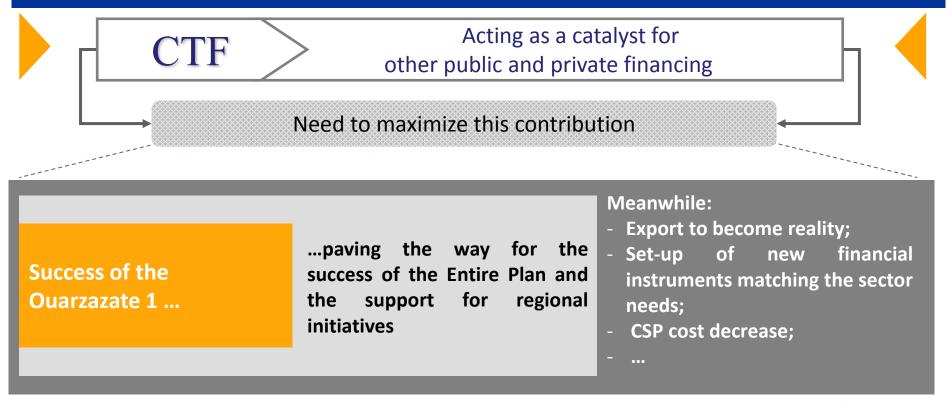
OZZ CSP NEXT SCHEDULE

Pre-qualification process already launched



CONCESSIONAL FUNDING REMAINS KEY

Need for the concessional funding to buy down additional costs and help bring CSP energy closer to economically viable tariff levels





NEXT PHASES



- **EXPORT,** necessary for the Moroccan Solar Plan balance
- LAUNCH OF NEW SITES, to meet announced objectives
- KNOWLEDGE SHARING, to enhance experience and training



EXPORT, VITAL FOR THE SOLAR PLAN BALANCE

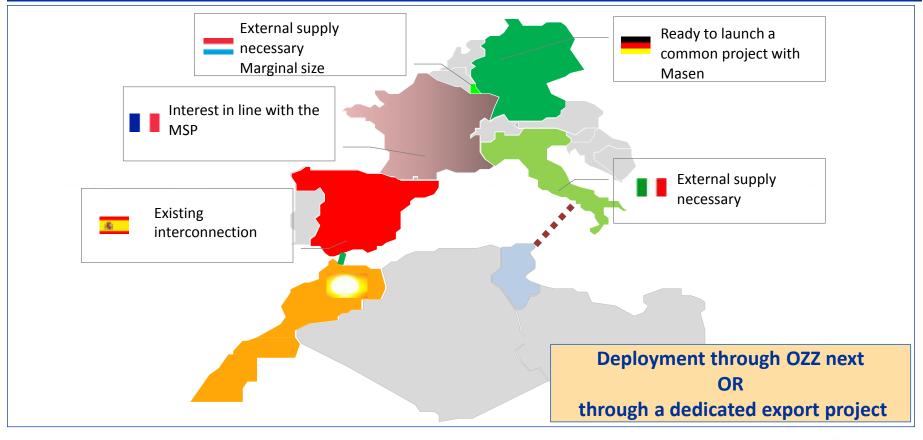
Export, common interest and will, to be realized through a particular deployment agenda

Annouced will: Article 9, facilitating the cooperation with A solution which feasibility is proved, in addition to an other countries in the sector of energy obtained adherence from the stakeholders Implementation of article 9 achievable, as confirmed by various ٠ studies (AFD, Clinton Foundation, European Commission...) • Deployment according to a particular Agenda **Asserted advantages:** Economic balance of the solar plan Medium/long term visibility



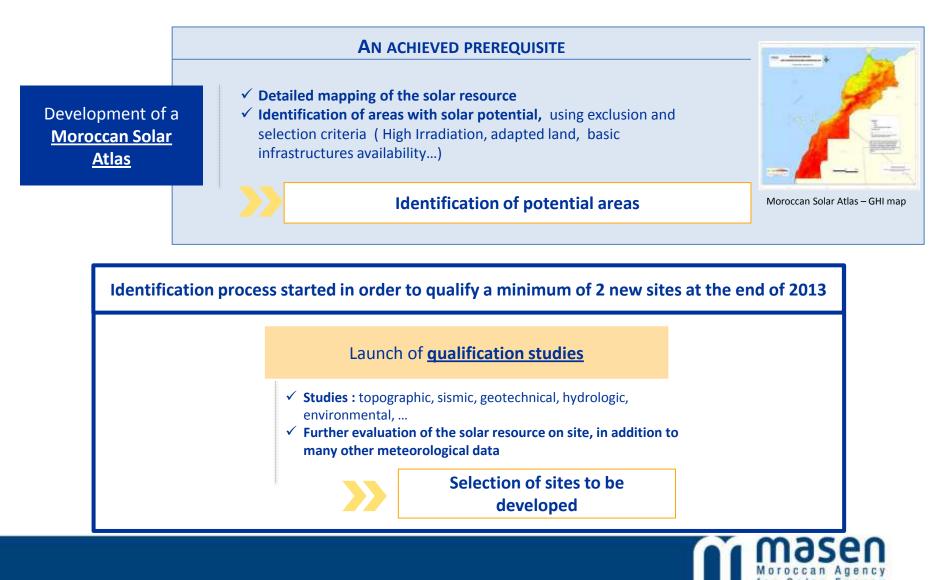
A NUMBER OF DISCUSSIONS STARTED, WITH CONVINCING RESULTS

Signature of a MoU to materialize the involvement of different countries, a new version is being processed by Morocco to be shared again on bilateral and multilateral basis

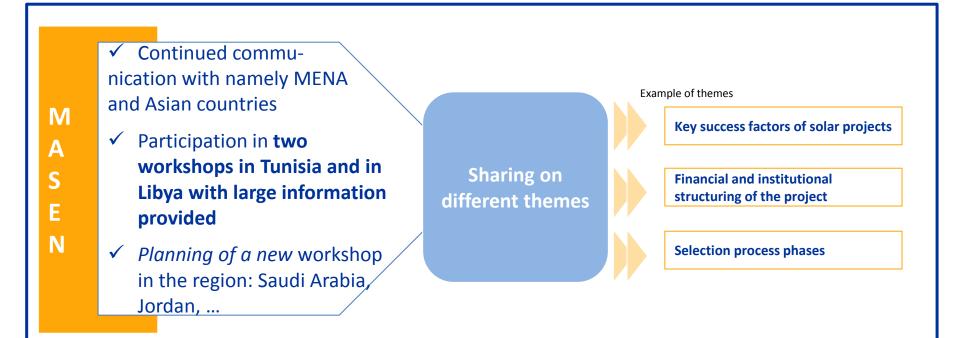




LAUNCH OF NEW SITES IN 2013



Masen is willing to share its experience, factors of success and pitfalls to avoid with MENA countries





2010 – 2013: International tracking



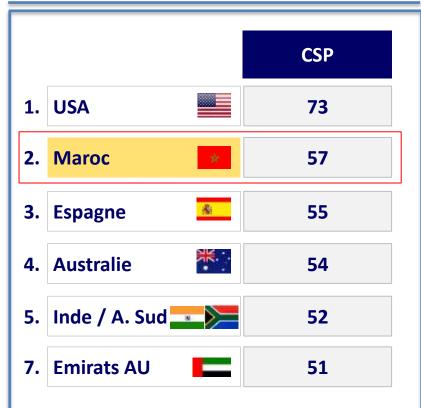


MOROCCO, # 2 MOST ATTRACTIVE CSP COUNTRY WW

Morocco's attractiveness for CSP development positively built throughout the years

- 1st country of North Africa, present in the top 5 of the most CSP attractive countries
- 2nd over 40 countries in terms of CSP attractiveness, demonstrating Morocco's legitimacy and credibility in the sector
- Absence from 2010 rating, illustrating the acquired credibility over less than two years

Ernst & Young rating of countries attractiveness







Thank you for your attention







Q&A + Ouarzazate Solar Complex Simulation



