

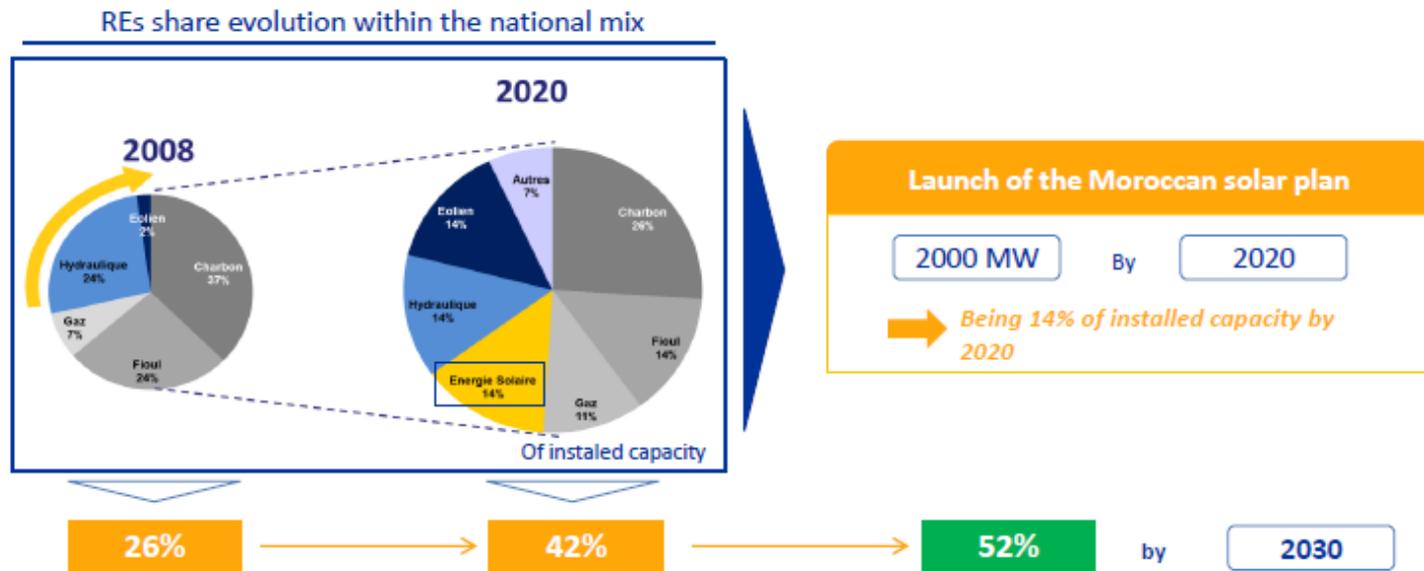
How political commitment drives the STE/CSP Deployment worldwide

Brussels, 12/01/2017



RENEWABLE ENERGIES, AT THE HEART OF MOROCCO'S ENERGY STRATEGY

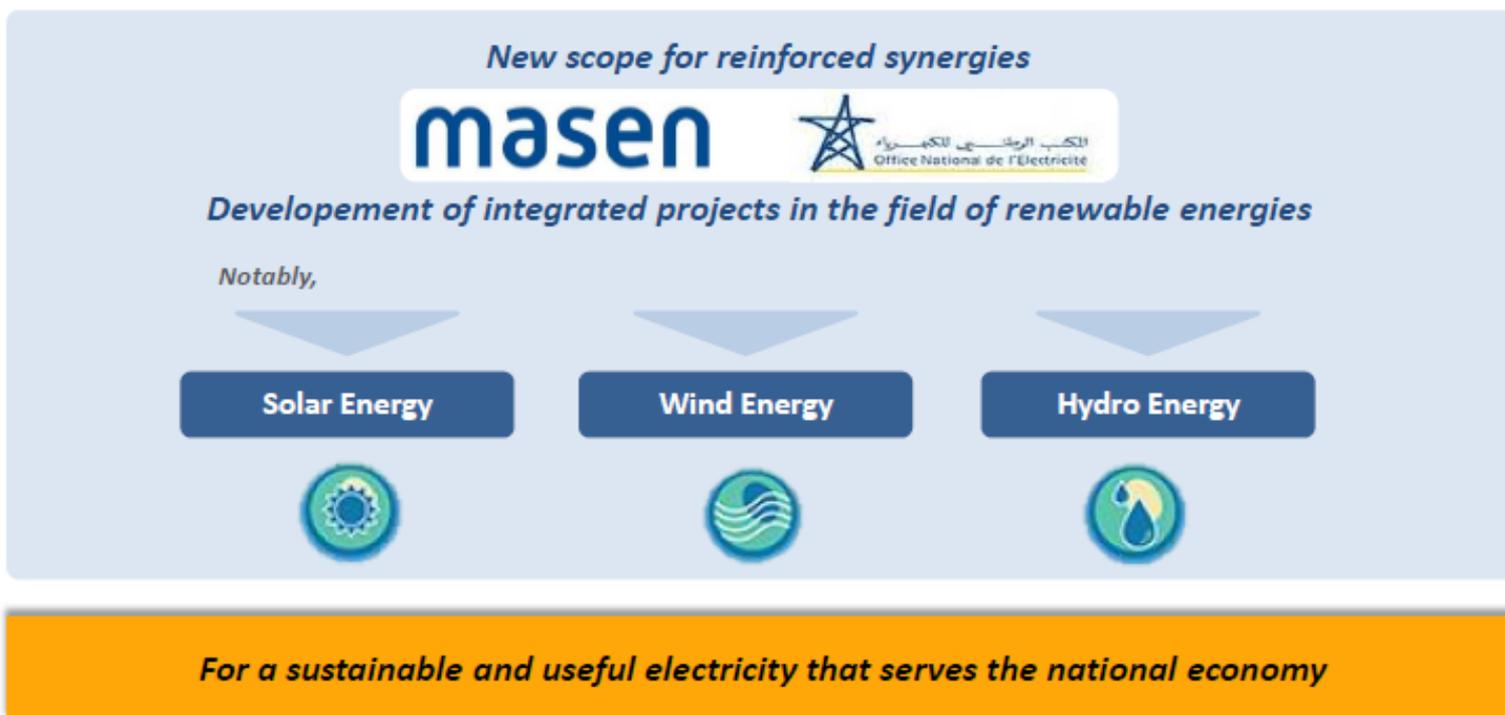
Strong will of increasing renewable energies share within the national mix by 2020 and 2030



Roadmap for solar energy deployment with an optimal technological mix in order to meet national needs

MASEN, NEW SCOPE FOR REINFORCED SYNERGIES

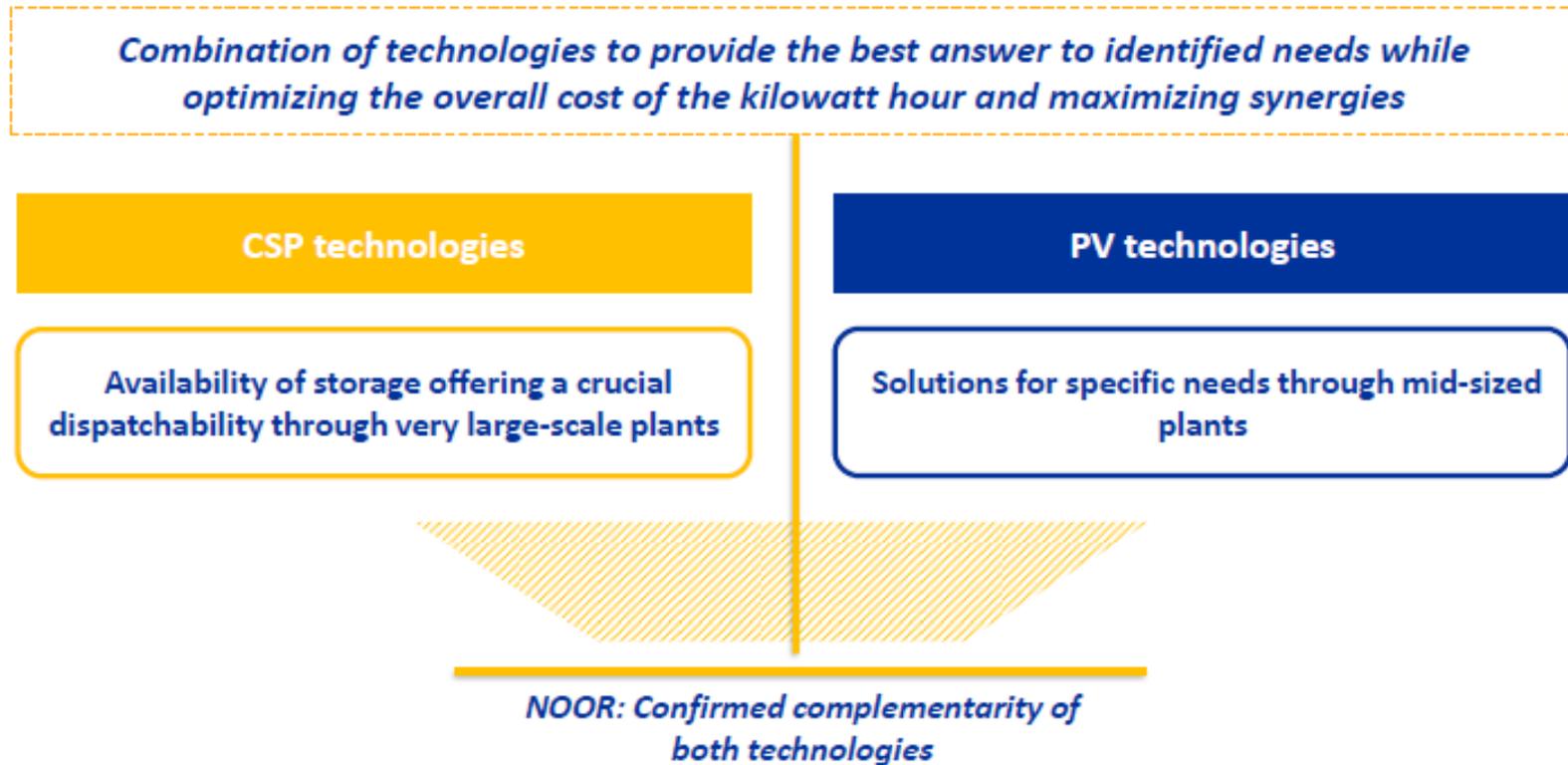
Reinforcement of the national ambition in terms of RE development : 52% of installed capacities by 2030 from renewable sources



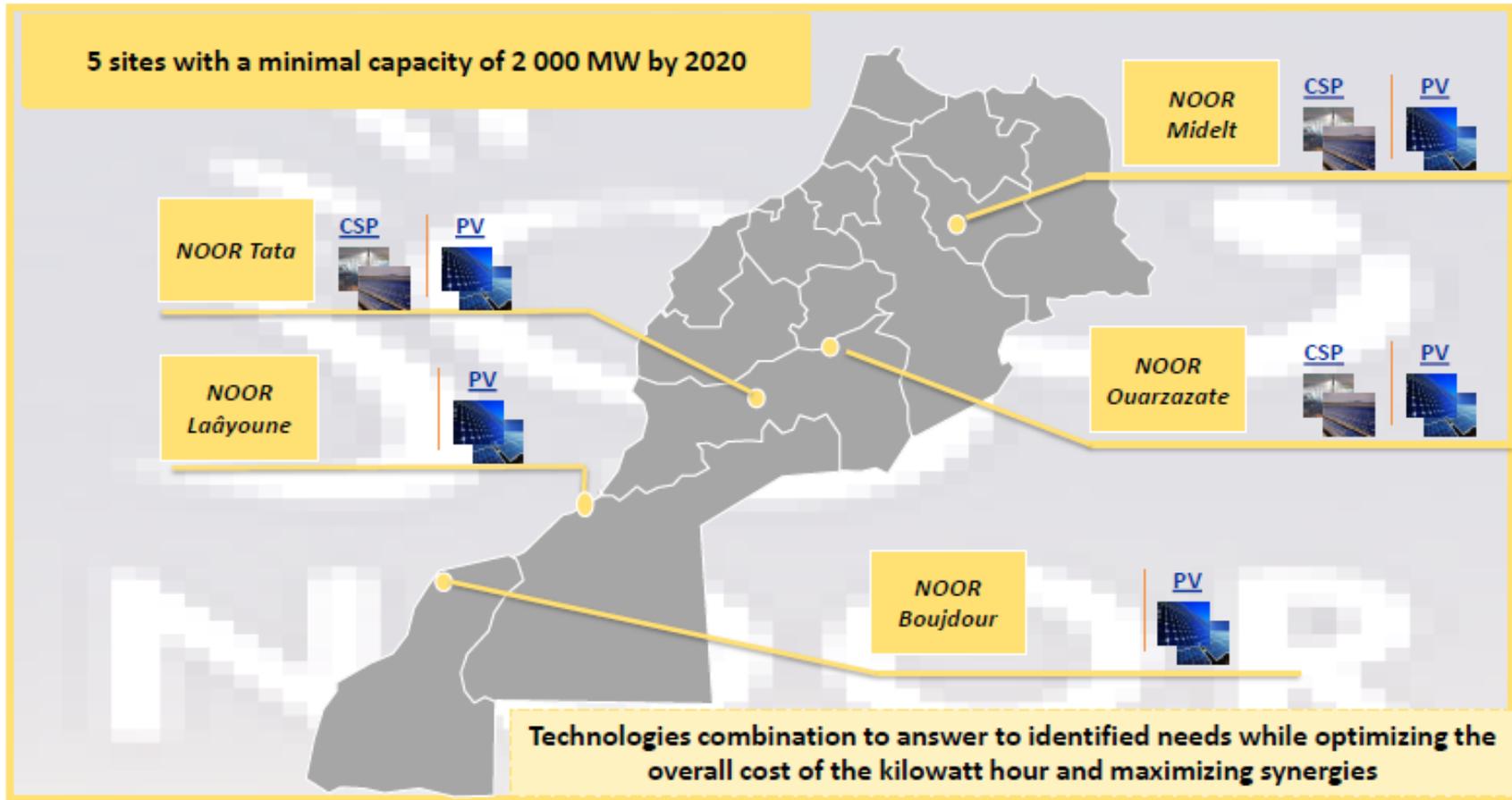
IMPLEMENTATION THROUGH "INTEGRATED" PROJECTS



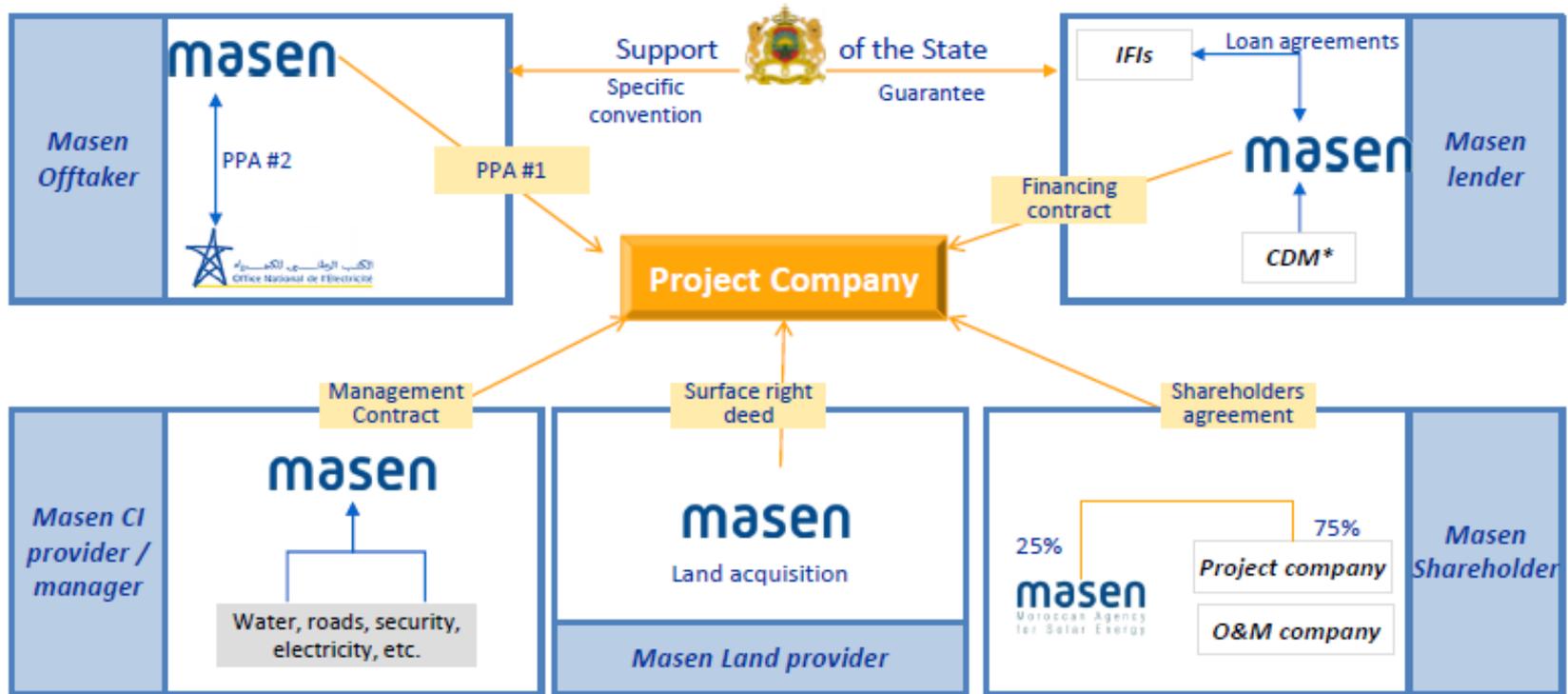
NOOR: A MULTI-TECHNOLOGY SOLAR PLAN



NOOR, A MULTI-SITE AND MULTI-TECHNOLOGY PLAN



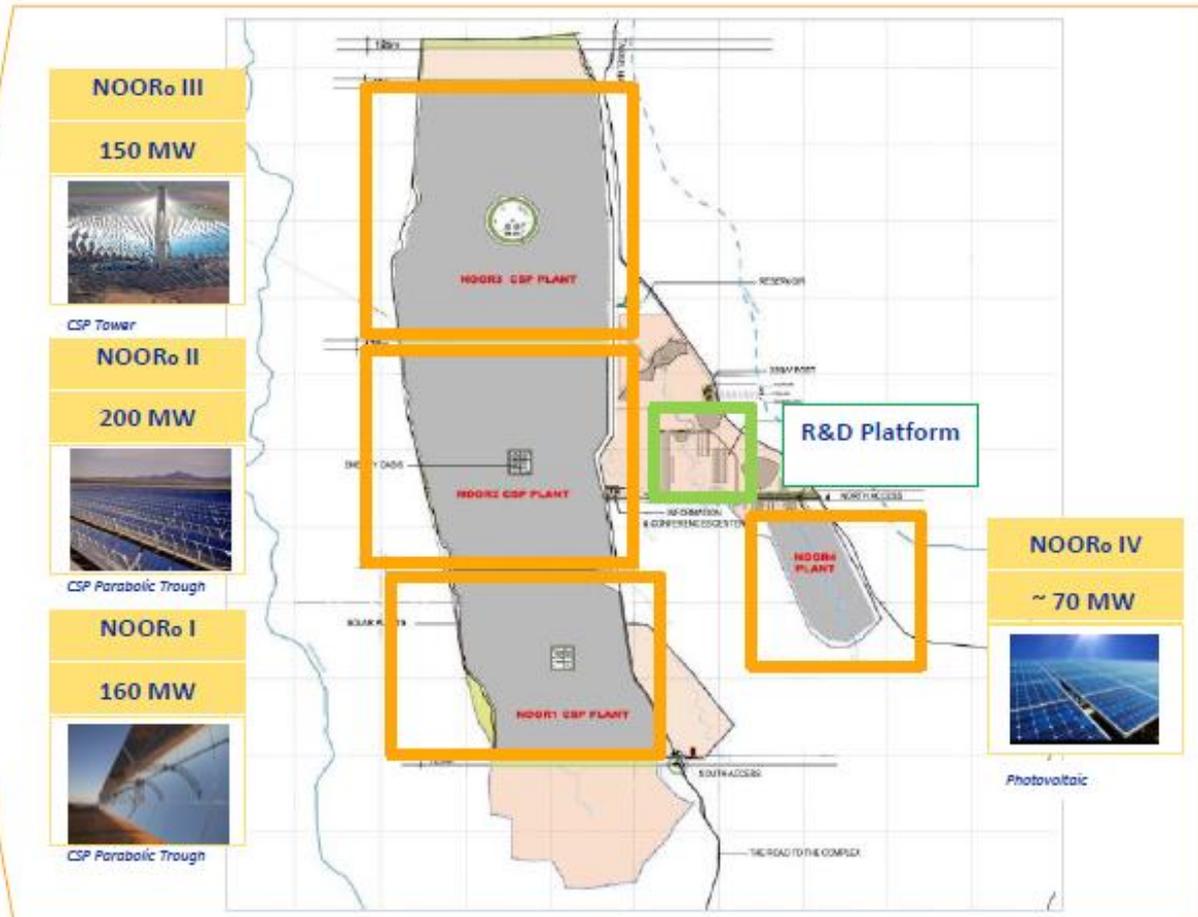
Innovative framework for efficient development model



Overview of CSP In Morocco



**NOOR OUARZAZATE
COMPLEX,
A GRADUAL
DEPLOYMENT OF
MORE THAN 550 MW**



NOOR_o I PLANT IN OPERATION



Techno. Concentrated Solar Power using parabolic trough

Capacity 160 MWe Gross Capacity

Storage 3 hours Thermal Energy Storage

Financial Institutions

afed ALGERIA'S FINANCIAL DEVELOPMENT
Bank of Algeria
Clean Technology Fund
KfW German Development Cooperation
THE WORLD BANK
EUROPEAN UNION
KfW German Development Cooperation

Overview of CSP In Morocco

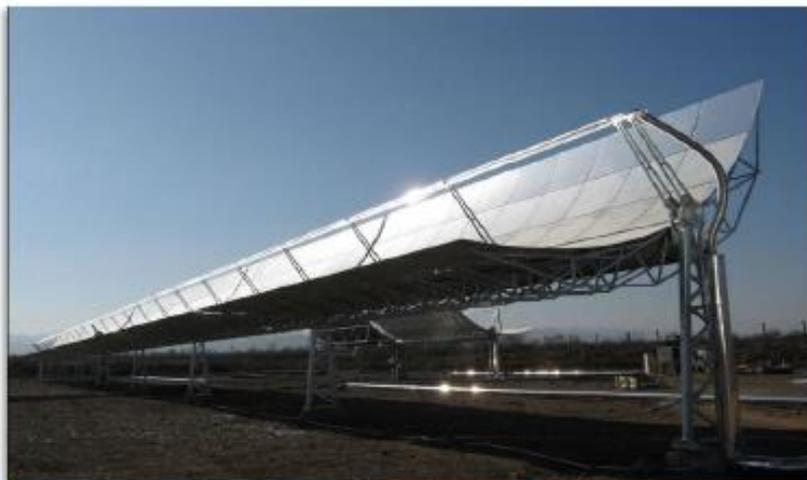


CLUSTER SOLAIRE



Climate innovation Center
Morocco

NOOR_o II, UNDER CONSTRUCTION *Techno.*



Developer



EPC



NOOR_o III, UNDER CONSTRUCTION



Developer

EPC



OFFERS EVEN MORE COMPETITIVE THAN THOSE PROPOSED FOR NOORo I

Peak price reduction of 15.6% (pour NOORo II) and 12.2% (pour NOORo III) compared to NOORo I

An even more competitive price considering

1

Higher storage hours : 7 to 8 hours

2

Reduction in water consumption: use of dry cooling

3

Higher industrial integration proposal : 35%



OUTSTANDING MOBILISATION OF CONCESSIONAL FINANCING

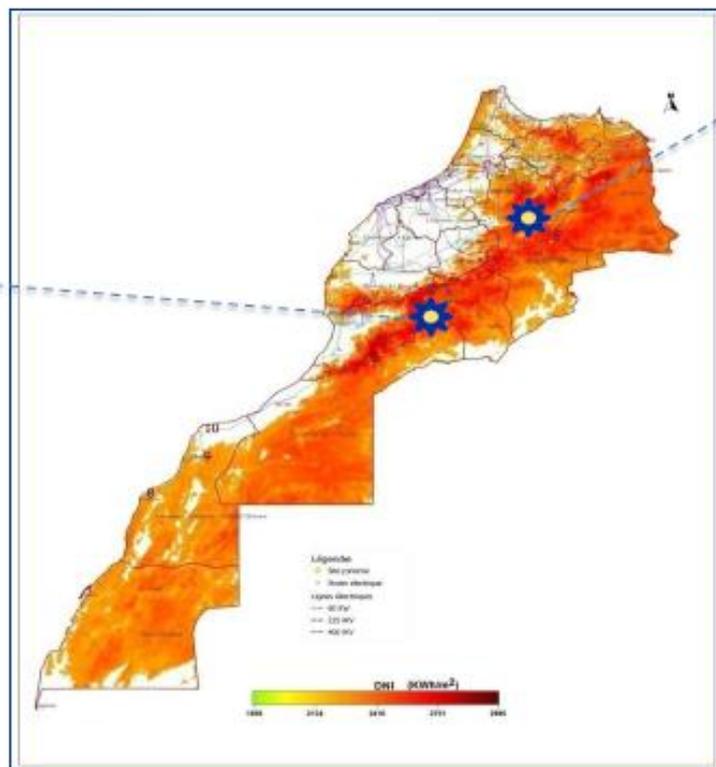
IFIs confirmed their interest in mobilizing the financing required to cover the entire investment of the three phases of NOOR Ouarzazate



NEXT SITES TO BE LAUNCHED

2. NOOR Tata

- A combination of CSP and PV plants to be developed
- Call for expression of interest to be launched in 2016

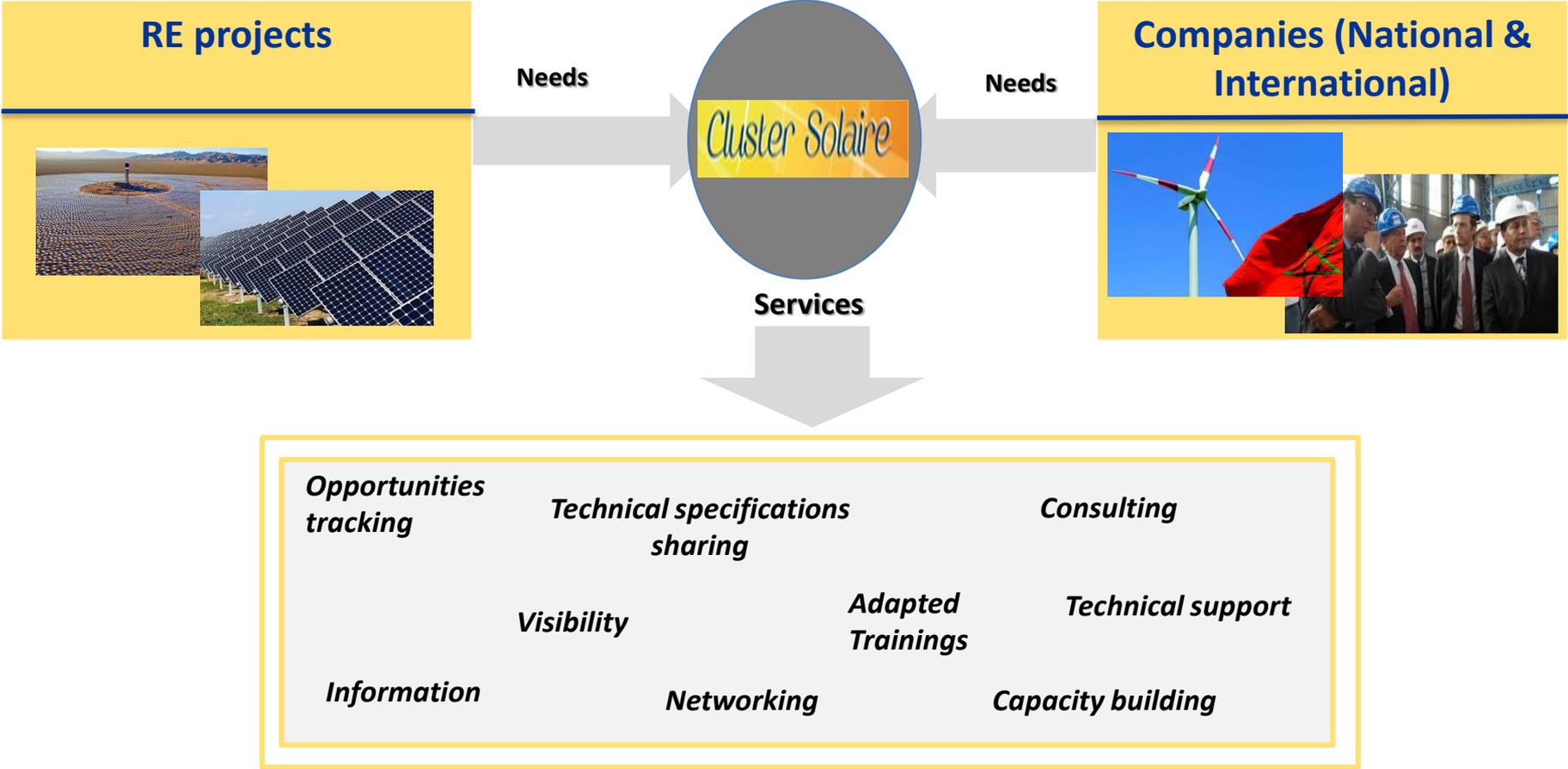


1. NOOR Midelt

- A combination of CSP and PV plants to be developed
- Call for expression of interest launched in 2015
- Request for qualification & Tender process launched in July 2016



CLUSTER SOLAIREnew actor for local content development





THE CLUSTER OFFERS TAILORED ASSISTANCE TO CONNECT PREQUALIFIED / QUALIFIED BIDDERS WITH NATIONAL COMPANIES



CSP In Morocco... local content opportunities development



THE PREQUALIFIED BIDDERS CAN ACCESS TO THE NATIONAL COMPANIES INFORMATION THROUGH THE MGBN DATABASE



Development of B2B interactive platform, allowing the access to the details of the main national companies



Major tools offered to the prequalified bidders

- Access to company listing by sector
- Search of companies information and details (size, turnover ...)
- Access to the expertise and capabilities of the companies by sector
- Option of adding companies to the network
- Access to a list of collaborative projects
- ...

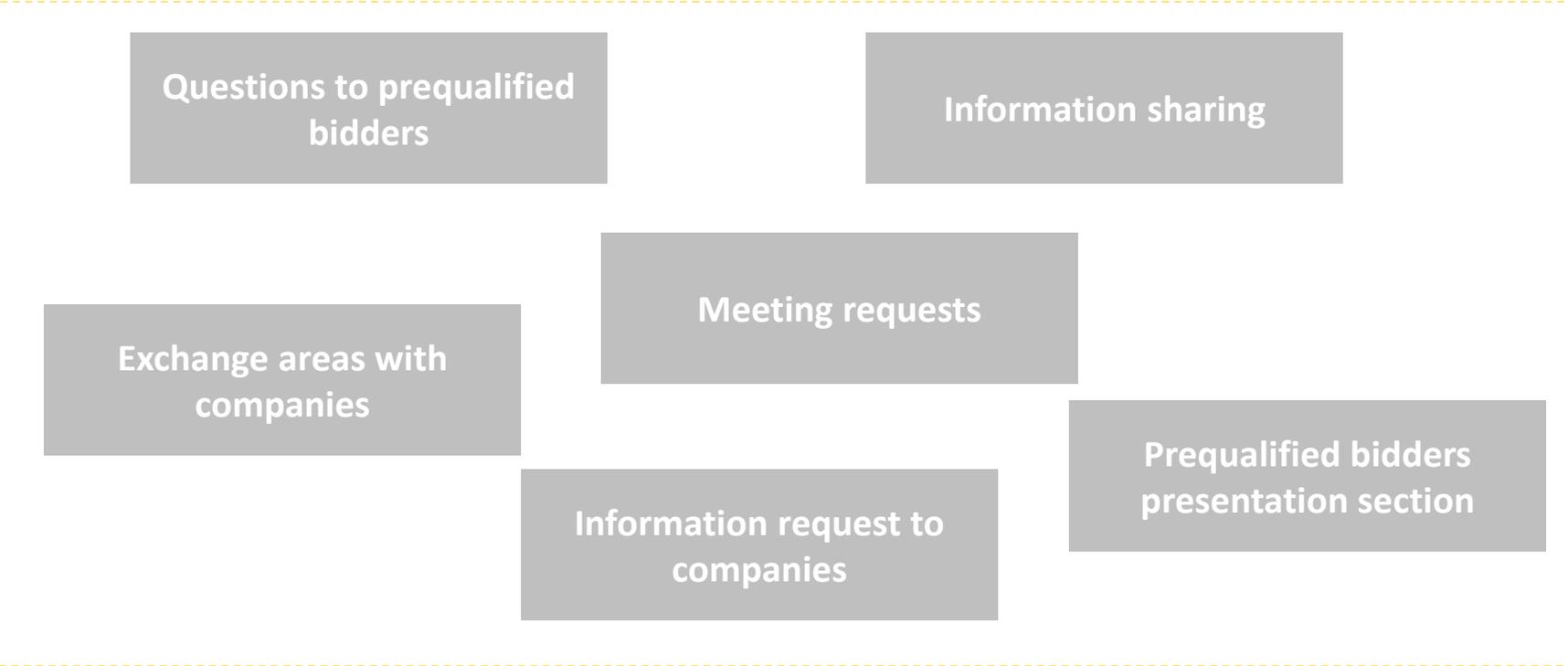
CSP In Morocco... local content opportunities development



POSSIBILITY TO ADD NEW SPECIFIC RUBRICS TO ANSWER PREQUALIFIED BIDDERS NEED ON THE MGBN



In addition to existent rubrics, new rubrics can added specially for the prequalified bidders



CSP In Morocco... local content opportunities development



THE CLUSTER ALSO OFFERS AN ADVISORY SERVICE TO INFORM THE PREQUALIFIED BIDDERS ON THE CHARACTERISTICS OF THE MOROCCAN MARKET



Gather the prequalified bidders information needs and questions on the Moroccan market and its specificities
(Regulation, laws, market sizing ,)

Organize workshop with prequalified bidders and experts for each field of interest

Follow up session with prequalified bidders

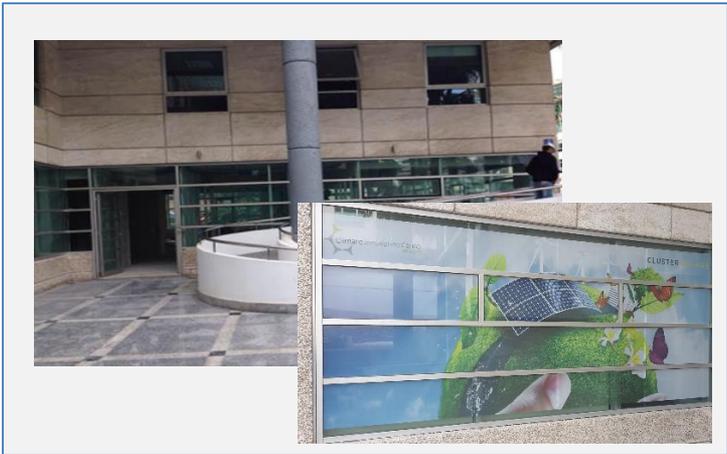




BESIDES THE TECHNICAL ASSISTANCE TO PREQUALIFIED BIDDERS, THE CLUSTER OFFERS SUITABLE FACILITIES



Meeting rooms facilities



- Location : Building Zenith 1, Sidi Maârouf 4th floor – Casablanca
- Surface : 278m²



Secretary assistance
(to book meeting with companies)

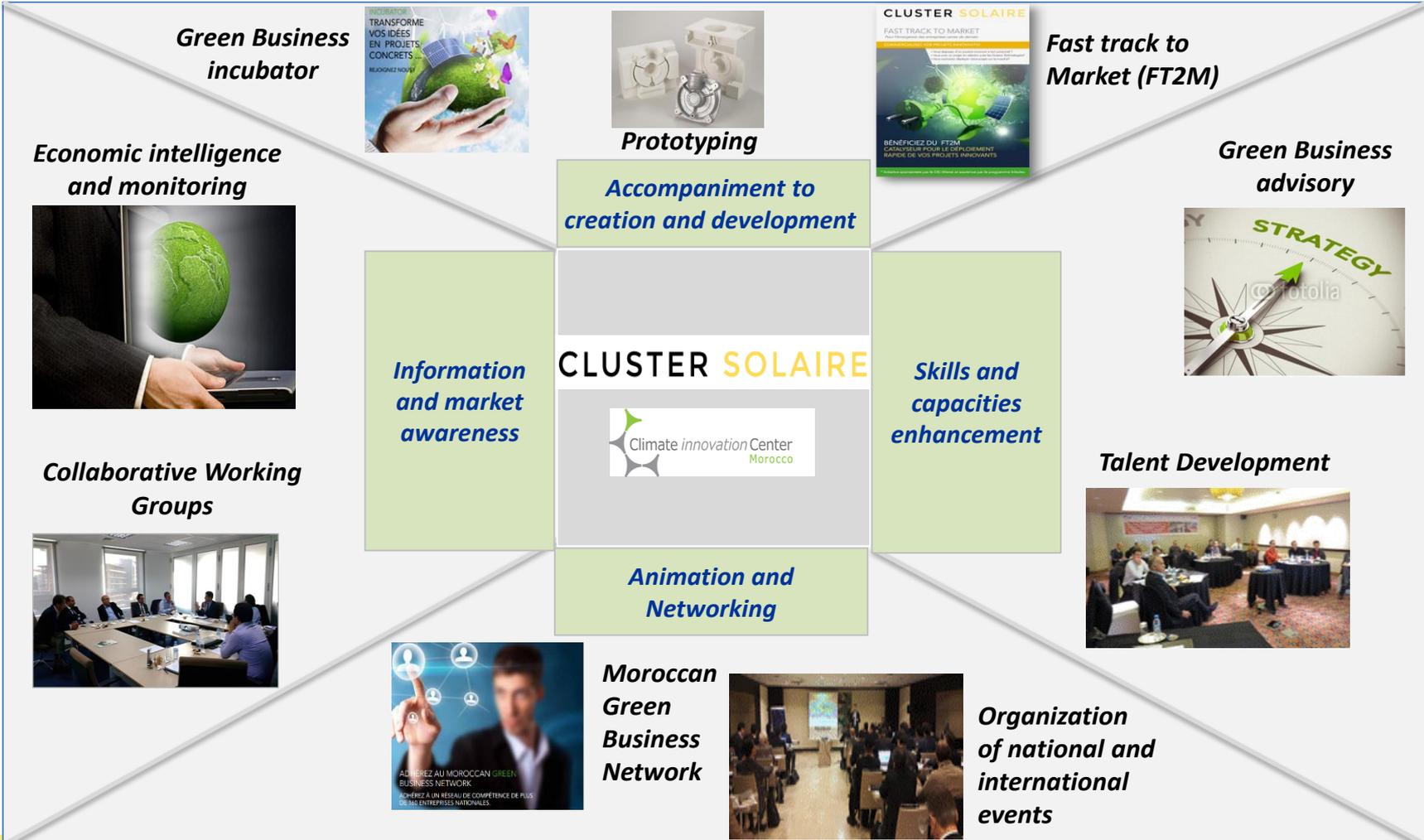


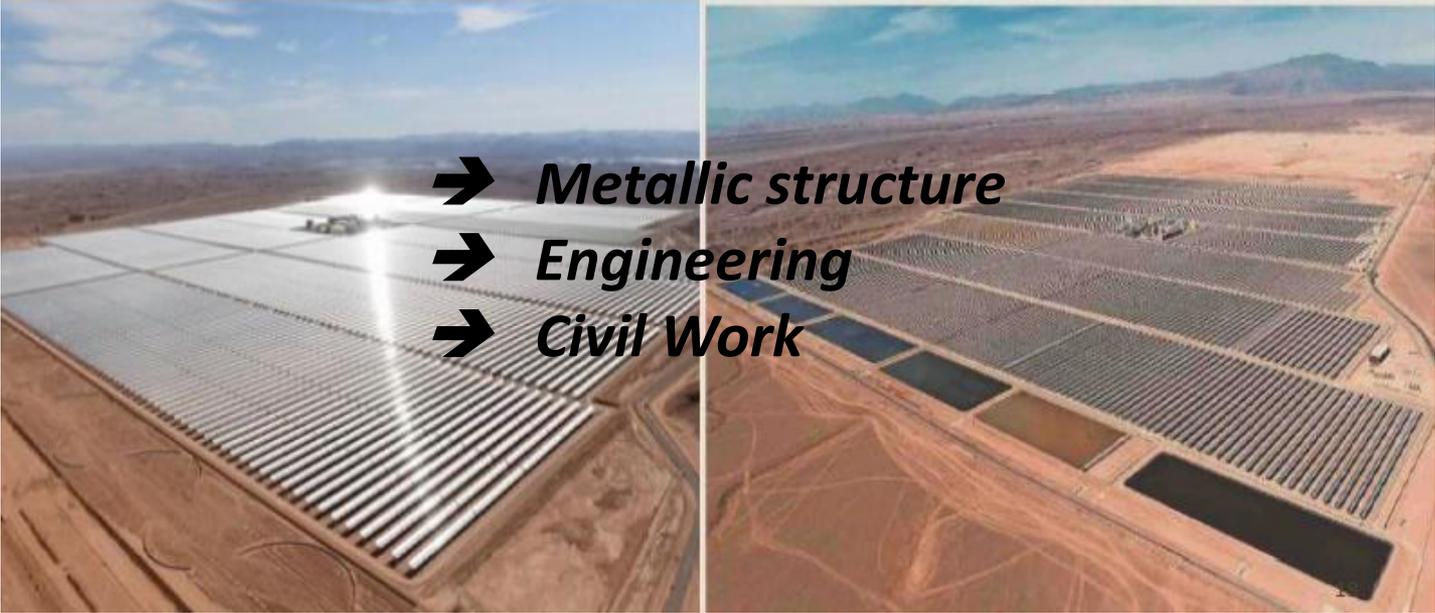
Access to Cluster partners
contact details (universities,
regional investment centers ...)

CSP In Morocco... local content opportunities development



THE CLUSTER ALSO OFFERS VARIOUS SERVICES TO DEVELOP CAPACITIES AND SKILLS OF LOCAL COMPANIES





CLUSTER SOLAIRE



Thank you for your attention

