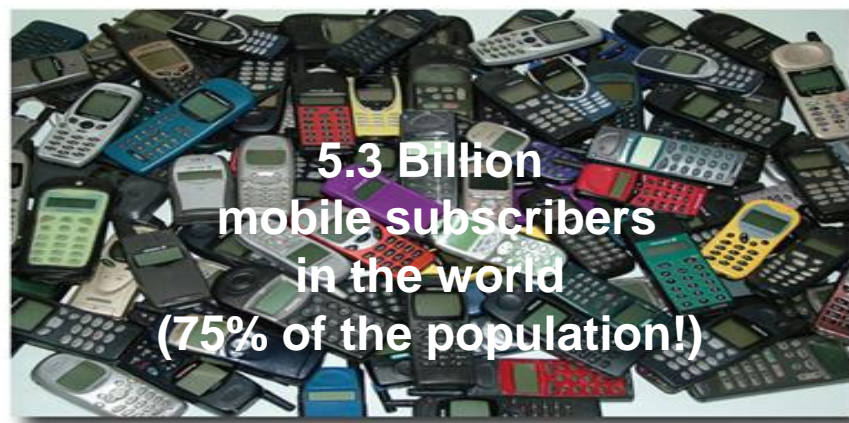


International Corporation for Desert Energy – The Way Forward

The Interconnected World



Power of Collaboration

SIEMENS



ALSTOM



- Founded in 2004 in the Kingdom of Saudi Arabia
- ACWA Power's portfolio of seventeen assets have a capacity of 12,782 MW of power and 2.32 million m³/day of desalinated water, with a total investment in excess of USD 15 billion.
- ACWA Power bid for the first eight I(W)PP transactions launched in the Kingdom of Saudi Arabia (KSA) and won seven.
- The latest IPP, where ACWA Power consortium entered into in September 2011, is for a contracted capacity of 3,927 MW, the world's largest gas fired IPP
- ACWA Power today delivers
 - ✓ In Saudi Arabia – 11% of Electricity + 45% of desalinated water
 - ✓ In Oman - 12% of the total power generation capacity and to 17% of the total water desalination capacity in Oman
 - ✓ In Jordan 59% of Jordan's installed Capacity



Saudi Arabia Shuaibah IWPP

This first of such a transaction in the Kingdom of Saudi Arabia; and one of the largest combined power and desalinated water plants in the world today. Utilizing Arabian light crude oil as fuel firing three boilers, this plant uses steam for power generation via three steam turbine a generator blocks and desalinated water production using twelve multistage flash distillation units.

Project Details Snapshot

Project Cost	USD 2,4 B (SAR 9,2 B)
Power Capacity	900 MW
Water Capacity	880 000 m ³ /day
Contract Type	20 Yr PPA - BOO
PCOD	January 2010
ACWA Power Ownership	30%



UAE - Shams 1 CSP IPP

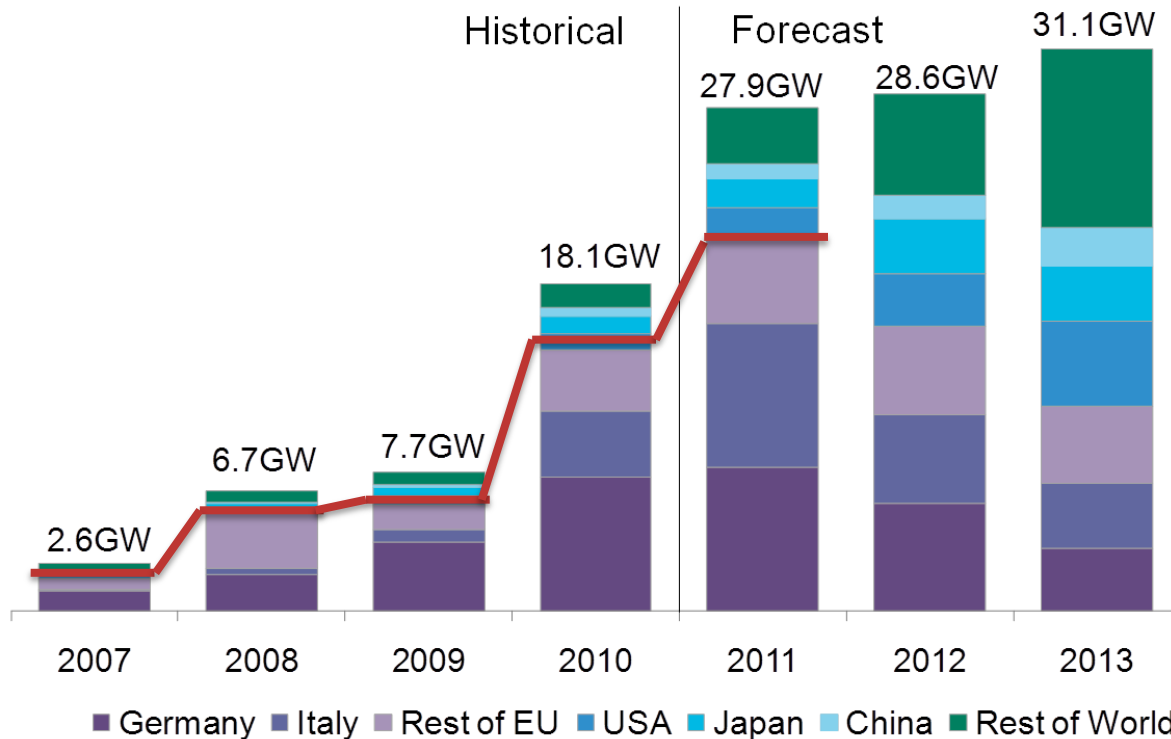
- Shams1, the first solar CSP IPP in the middle east to be tendered; by MASDAR in 2007 was awarded to a consortium of Abengoa & Total
- Plant currently under construction.
- Once commissioned will have a capacity of more than 100 MW.



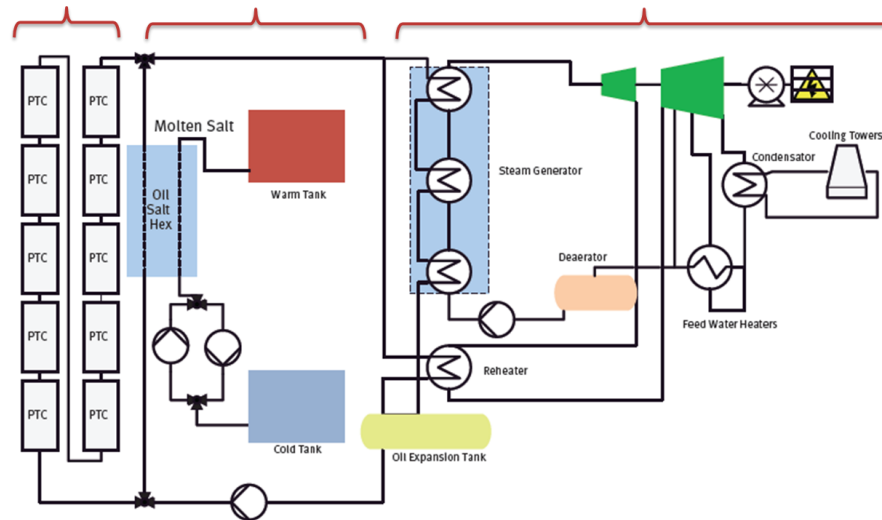
Bidder	Tariff at Bid Opening (AED/KWh)
Abengoa + Total	141
ACWA Power + Iberdrola	151.03
ACS + Sener	186.3
Man Solar Millennium + Int. Power + Orascom	189.53



Know how in Solar Concentrated in European Union



Morocco – Ouarzazate CSP IPP



Location: Ouarzazate - Morocco

Technology: Parabolic Trough Concentrated Solar Power

Capacity: 125 – 160 MWe Gross

Storage: Molten salt, 3 hours

Off-taker: Moroccan Agency For Solar Energy (“MASEN”)

Our Developers: ACWA Power (Saudi Arabia), Aries (Spain), and TSK (Spain)

EPC Contractor: Acciona (Spain), Sener (Spain), and TSK (Spain)



Qurayyah IPP Saudi Arabia

Qurayyah IPP is the 3rd IPP launched by Saudi Electricity Co. and will be located on the eastern coast of Saudi Arabia. When commissioned, the plant will be the world's largest gas fired combined cycle power plant.

Project Details Snapshot

Project Cost	USD 2.85 B (SAR 10.69 B)
Power Capacity	3927 MW
Contract Type	20 Yr PPA - BOO
EPC Partners	Siemens + Samsung C&T
Developers	ACWA Power + MENA Infra Fund + Samsung C&T



The logic of MENA/EU Partnership

- Technical knowhow
 - Engineering and Design Capabilities;
 - Key Components for example in CSP such as Turbine, mirrors and tubes
 - experience of Human Resource and Capacity Building ;and
 - the experience of structuring/marshalling finance
- the fuel; the sun!
 - Local knowledge of the legal framework, capacity to accommodate and mitigate in-country risks;
 - knowledge and access to the local supply chain
 - Access to financial resources given that there is considerable financing capacity in the MENA region albeit that it is concentrated in certain pockets.

Europe

MENA Platform



The Only Sustainable Objective

A win-win partnership



- collaborate to build truly sustainable capacity in-country; and
- progressively develop local manufacturing and indeed technology development capability.
- Energy from the sun which we have plenty of in MENA can become valuable additional source of electricity for Europe

Working together we can also utilize this platform to :

- support technology enhancement and employment in Europe.
- And become a significant economic value creator in the MENA region, utilizing capital efficiently, creating employment and bringing into the fold a wider segment of the young population of the region to become economic value creating citizen.



The logic of MENA/EU Partnership

- the thesis is not to generate electricity in MENA to just export to Europe but to generate renewable energy in the sun rich MENA region, consume what makes economic sense to utilize in-country and export the balance.
- Example – Saudi Arabia
 - By 2030 it is economically viable to consider 20GW of domestic consumption being provided substantially by solar and wind.
 - The sun/solar resource availability is of course infinitely more.
 - Thus in reality what will happen is that we will develop capacity as fast as possible, consume what we can economically utilize and export what is available.
- But this all means that we will be able to develop an industry on a much larger needs platform than what exists today, thus sharing an ever increasing pie.



Thank you for your attention

**Paddy Padmanathan
President & CEO
ACWA Power International**

