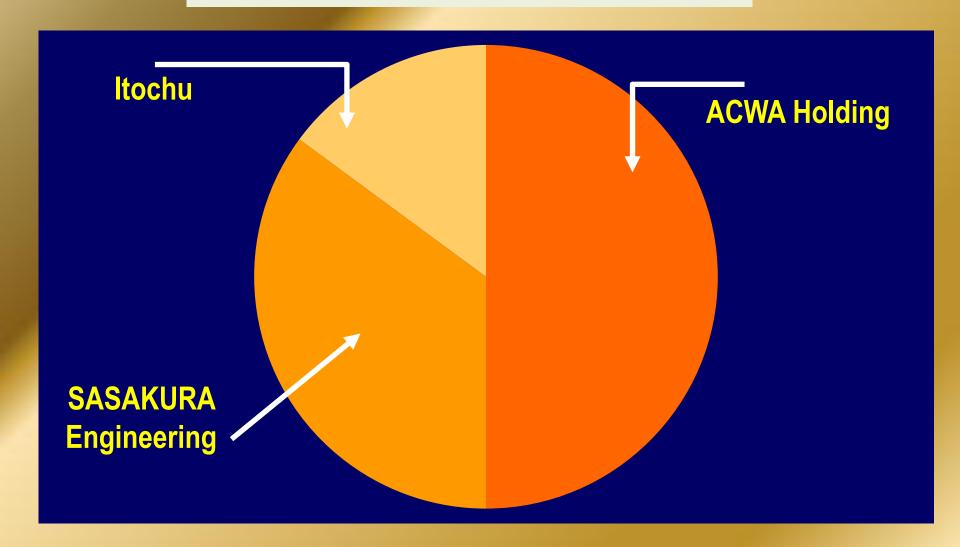
ACWA Power SASAKURA

الشركة العربية وساساكورا للمياه والطاقة



Established 2003





























WELSPUN

MIDDLE EAST



























Power & Water



Utilities & Services



Industrial Manufacturing



Construction & Contracting



Transportation



Environment

Established in 2002 to capitalize on initiatives taken by the Saudi Government in water and power infrastructure development sectors.

ACWA Holding focus on:Power & Water
Utilities & Services
Industrial Manufacturing
Construction & Contracting
Transportation
and Environment

Projects under execution through various subsidiaries is around SAR26.3bln.

Apart from significant presence in Saudi Arabia, subsidiaries have footprints in 6 countries across Middle East, Africa and Europe.



Established in 1949, more than 65 years of experience in the field of desalination.

More than 10% of the total installed capacity of thermal desalination Plants in the world has been supplied or Licensed by **SASAKURA**.

SASAKURA Plants in KSA is more than 1,000,000 m³/day:-

1. Jeddah-2

2. Jubail-2 C2

3. Jubail-2 C3

4. Yanbu-1

5. Shoaibah-1

50,000 m³/day,

220,000 m³/day,

220,000 m³/day,

110,000 m³/day,

223,000 m³/day,



Established in 1858.

Has approximately 130 bases in 66 countries.

ITOCHU Corporation engages in domestic trading, import/export, overseas trading of various products such as textile, machinery, metals, minerals, energy, chemicals, food, information and communications technology, general products, insurance, logistics services, construction, and finance, as well as business investment in Japan and overseas.

A CWA Power SASAKURA



Established in 2003



APS is EPC contractor for MED, MSF and RO Desalination Plants.

APS is Pioneer in Rehabilitation & Life Extension of Desalination Plants.





YISION

REGIONAL LEADER AS SEAWATER
DESALINATION SOLUTION PROVIDER



MISSION

TO BE THE PREFERRED EPC CONTRACTOR IN MIDDLE EAST FOR DESALINATION PROJECTS.

PROVEN LEADER IN REHABILITATION & EXTENSION OF SERVICE LIFE FOR EXISTING DESALINATION PLANTS.





APS Business milestones (2010 ~ 2015)







Successfully Completed Construction of SWCC 6-Desalination Plants (EPC) Rabigh, Wajh, Umluj, leeth, Qunfuda & Farasan





















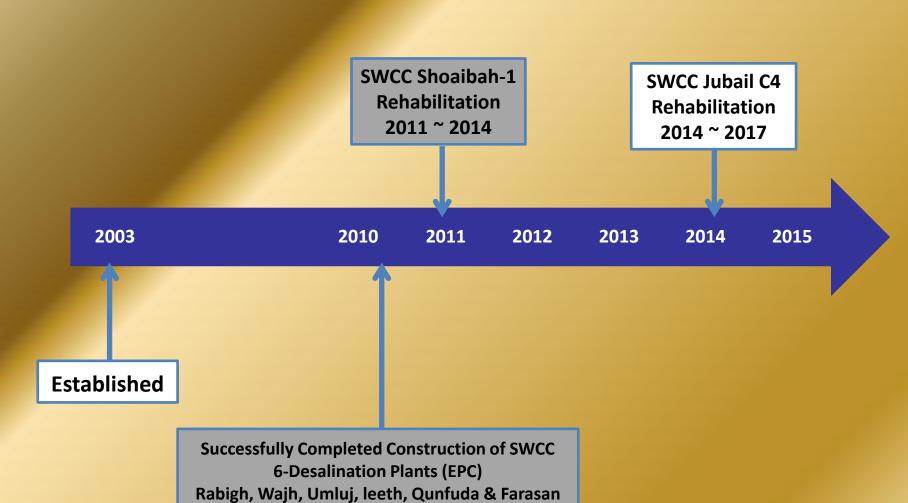








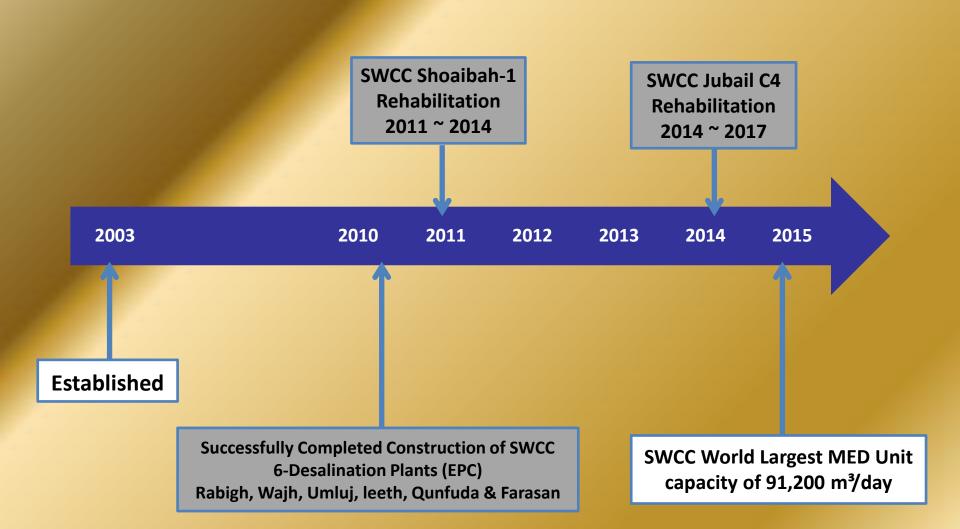
















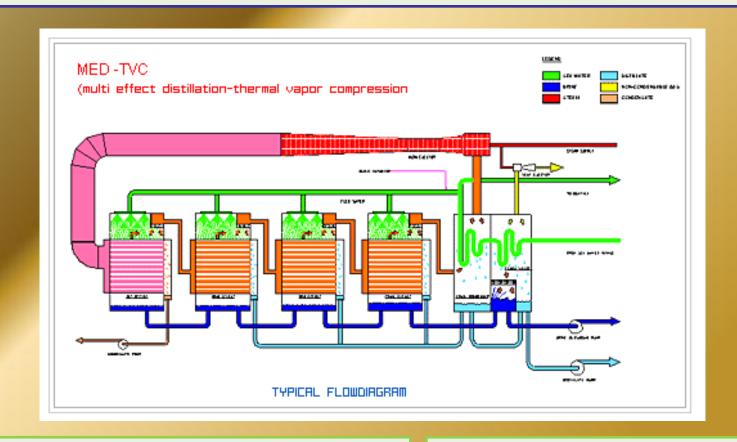
Competitive Edges

1. ACWA Power Sasakura is a Leader in MED Desalination Technology

Through history of completed MED Desalination Projects,

The recently Award of World Largest MED unit.

ACWA Power Sasakura World Largest MED unit.



Capacity 91,200 m³/day

Performance Ratio 14.60

World Existing is 68,190 m³/day

at PR = 7.8

2. Tri-Hybrid Desalination Technology

Tri-Hybrid Technology developed between SWCC, Water Reuse Promotion Center and Sasakura:-

April 2008 Started of operation of Pilot Plant May 2008 Succeeded TBT125°C operation

Jan. 2009 Completed Phase 1 Testing Operation for Conceptual Design

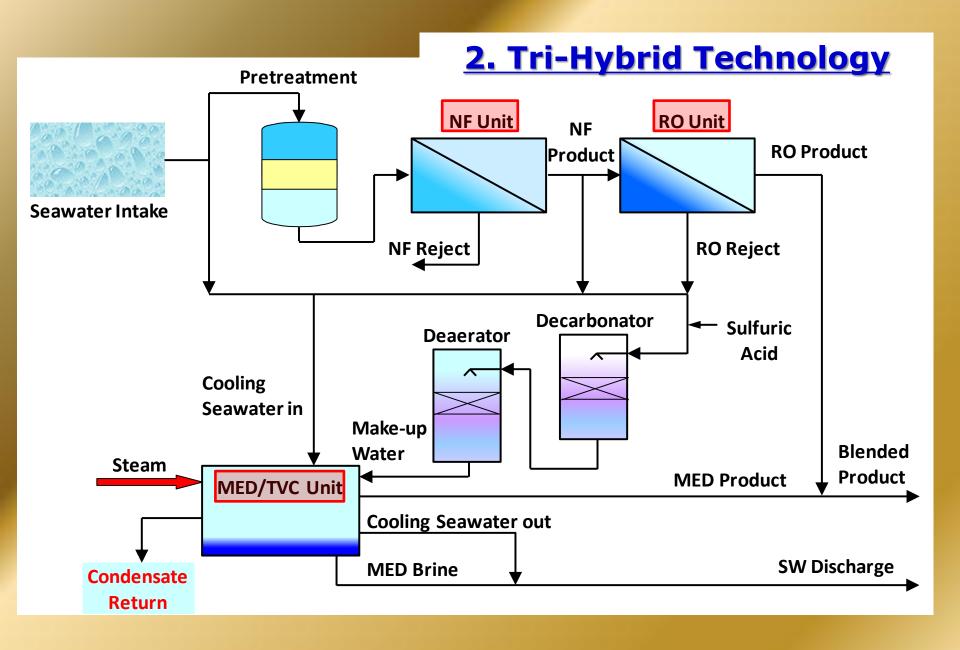
Jan. 2010 Completed Phase 2 Long Term Operation at TBT125°C

Dec. 2011 Completed Phase 3 Emergency Operational Testing (NF-Bypass)

Jan. 2012 Completed Material Corrosion Testing to settle the Eva. Materials

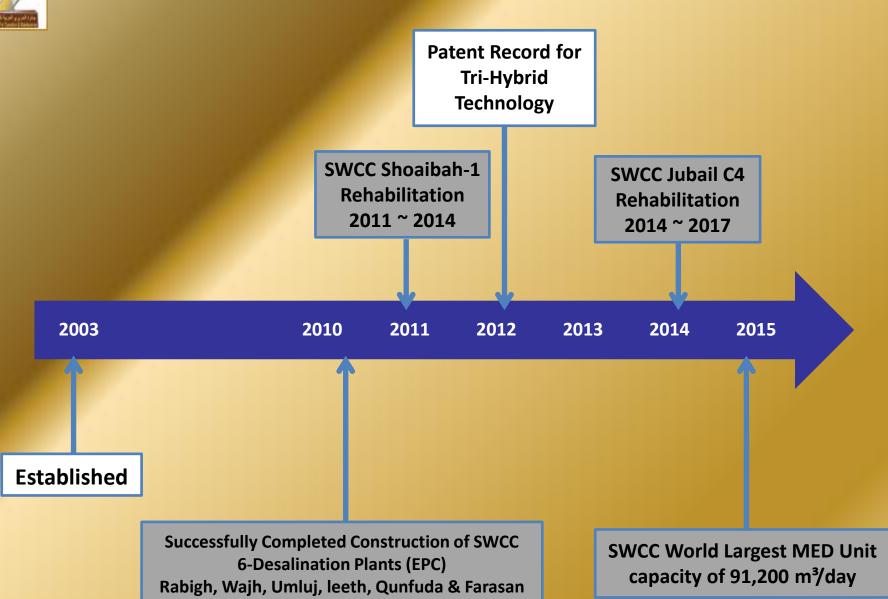
Results:-

- Steam & Seawater Consumption reduced to almost 50% of Conventional MED & MSF.
- 2. Electric power consumption of Tri-Hybrid reduced to 78% of the conventional RO Plant.
- 2. Consequently, Life Cycle Cost (CAPEX + OPEX) of Tri-Hybrid system is lower than the conventional MED or RO Plants.









3. Leaders in Rehabilitation & Life Extension of Existing MSF & MED Desalination Plants.

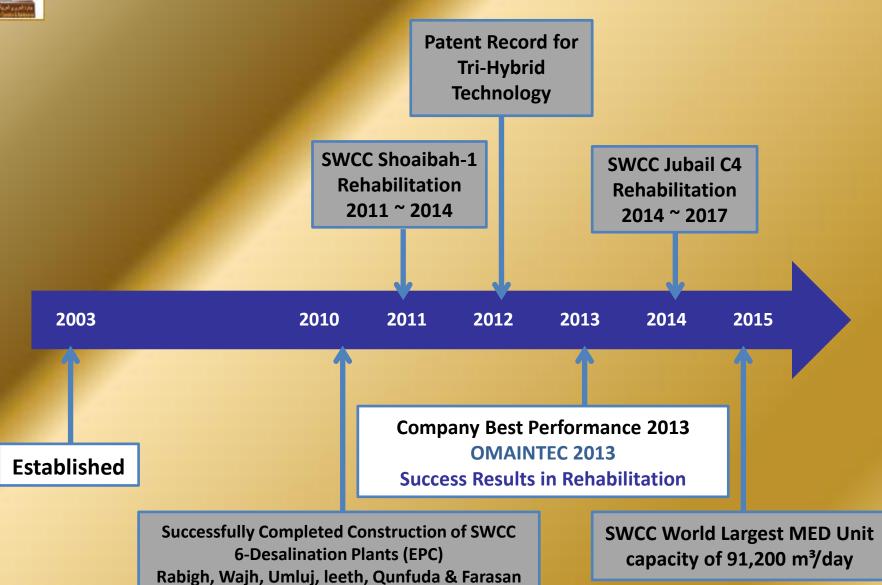
Redesigning Existing Desalination Plants to improve PR, increase Production and Eliminate Causes of Deteriorations.

Since 2004 APS awarded the Rehabilitation & life extension of largest SWCC Desalination Plants in Jeddah, Shoaibah & Jubail.

Cost of Rehabilitation is (15%~20%) of the cost for new plant and the life extension will be (15~25) years.



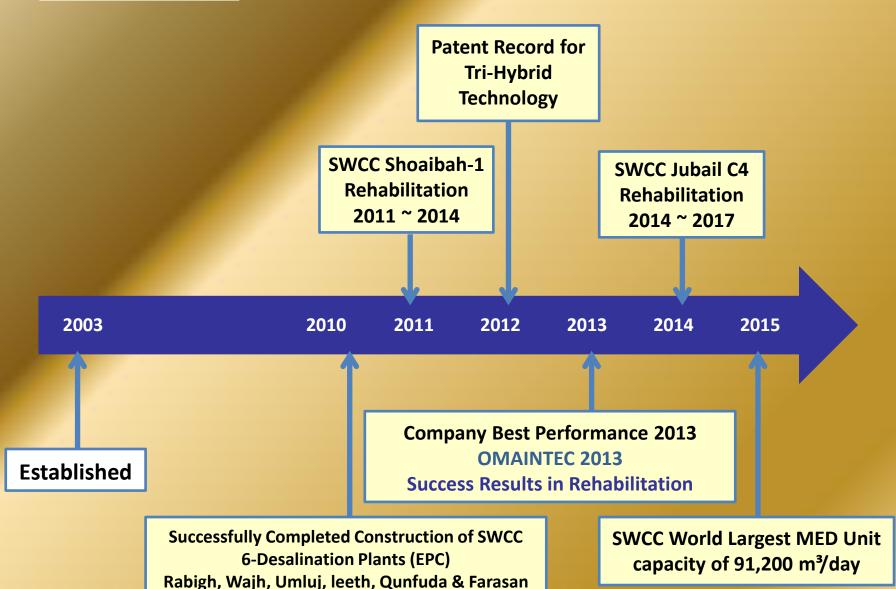








APS Business milestones (2010 ~ 2015)





Thanks