

مؤتمر تحلية المياه في الدول العربية

12:01971

19-18 شعبان 1440 | 23-24 ابریل 2019

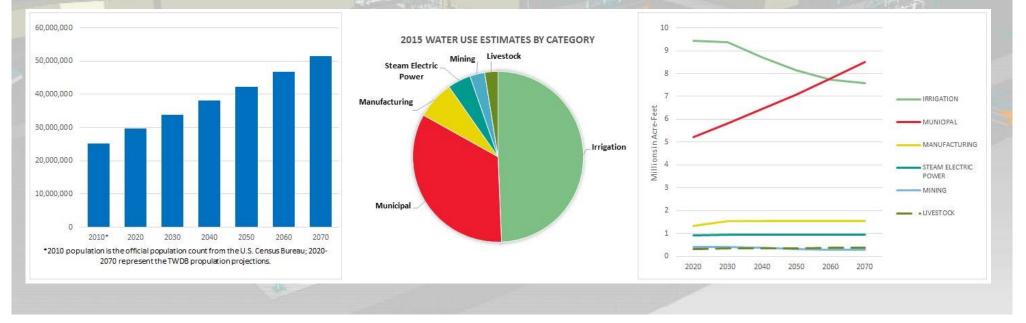
فندق انتركونتيننتال سيتي ستارز، القاهرة، جمهورية مصر العربية

Challenge for better desalination technology

(Install a Large Desalination Unit MED - Case Study)

Engr. Mohammed A. Al-Thubaiti President, Sasakura Middle East Company Saudi Arabia

Desalination is considered as main source of drinking water.

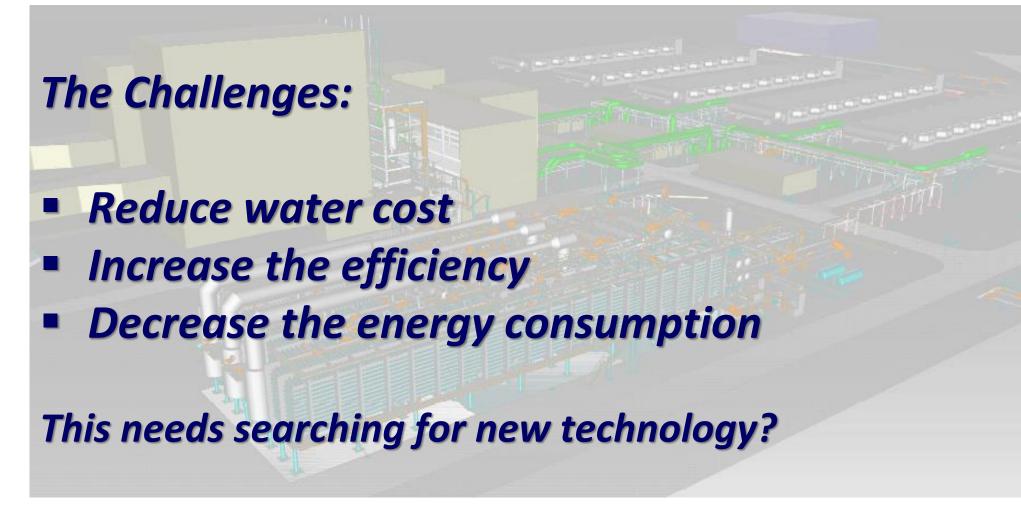


ARWADEX - 2

Main existing desalination technologies :

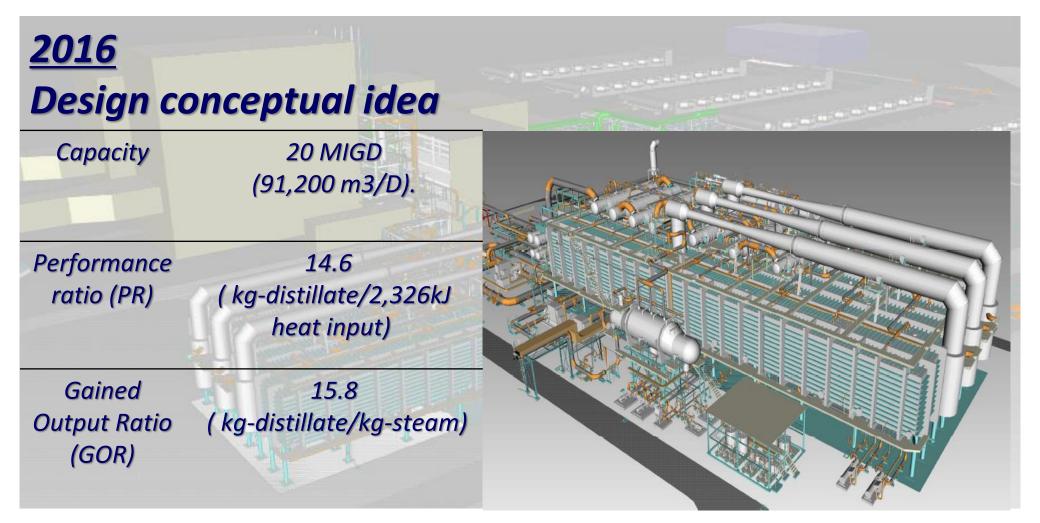
- Thermal processes (MSF, MED)

- Membrane process (SWRO)





Shuaiba MED unit project : World's largest capacity World's highest performance

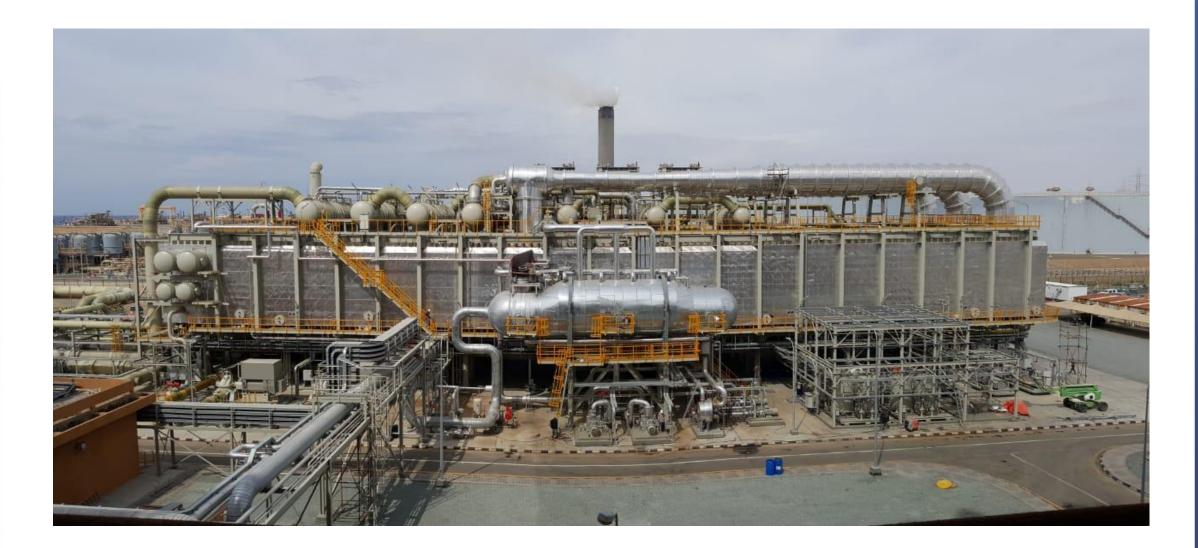


ARWADEX - 7

<u>2018</u>

The Challenge became reality :

- Actual Capacity : 92,568 m³ / day
- Actual PR : 14.65 (kg-distillate/2,326kJ)
- Actual GOR : 15.95 (kg-distillate/kg-steam)



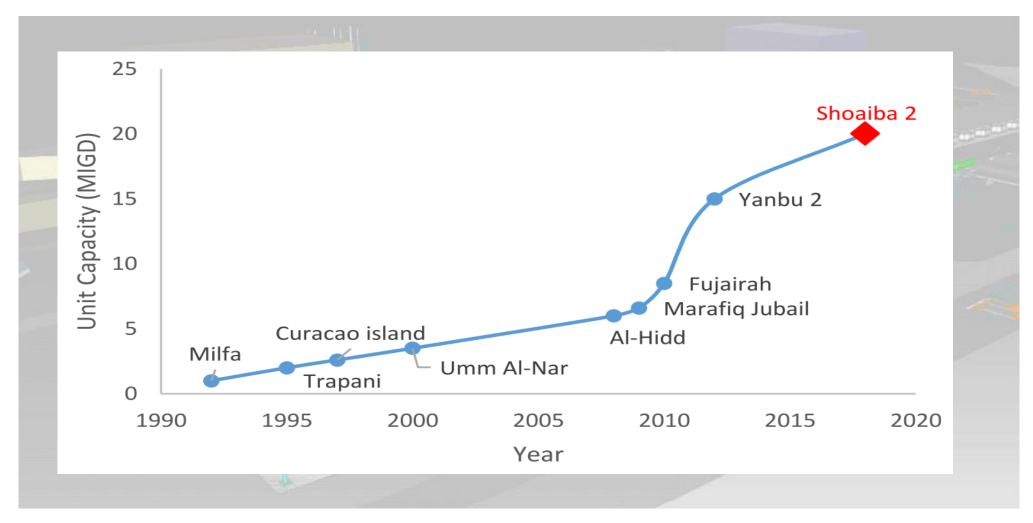
Project Achievement

Completed all Manufacture and construction works and now its in service with,

High Quality and Efficiency.

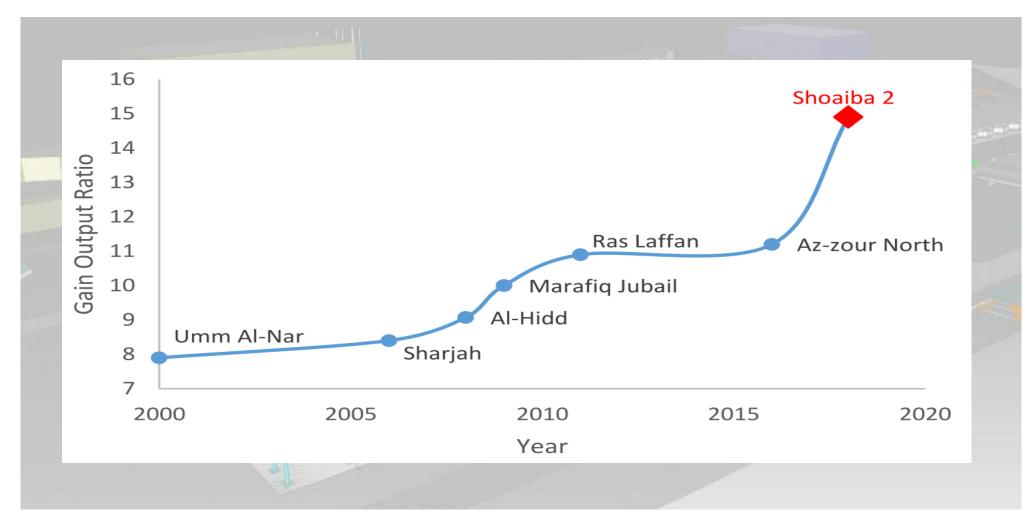
World's Records

The increase of unit capacity of MED-TVC system



ARWADEX - 11

The increase in gain output ratio of large-scale desalination plants



Thanks for your attention

شكرو كمسن للاستماع

ARWADEX - 13