

# ENGIE MIDDLE EAST INDEPENDENT WATER PROJECT PORTFOLIO



The ENGIE logo consists of a white, curved, arch-like shape above the word "ENGIE" in a bold, white, sans-serif font.

July 2020

# ENGIE MIDDLE EAST ASSET PORTFOLIO

## UNITED ARAB EMIRATES

- **609 MIGD water** and 10 GW power (CCGT)
  - Al Taweelah IWPP (20%)
  - Umm Al Nar IWPP (20%)
  - Shuweihat 1 IWPP (20%)
  - Shuweihat 2 IWPP (20%)
  - Fujairah 2 IWPP (20%)
  - Mirfa IWPP (20%)

## SAUDI ARABIA

- **176 MIGD water** and 7.5 GW power (CCGT)
  - Marafiq IWPP (20%)
  - Riyadh PP11 IPP (20%)
  - Tihama Power IPP (60%)
  - Fadhili (40%)
- NADEC 30 MW captive solar PV (under construction)

## QATAR

- **123 MIGD water** and 3.8 GW power (CCGT)
  - Ras Laffan B IWPP (40%)
  - Ras Laffan C IWPP (20%)

**5.8 MILLION M3/DAY  
(~1,300 MIGD)  
POTABLE WATER  
PRODUCTION\***

## OMAN

- **120 MIGD water** and 3.7 GW power (CCGT & OCGT)
  - Sohar 1 IWPP (35%)
  - Sohar 2 IPP (29.9%)
  - Barka 2 IWPP (30.9%)
  - Barka 3 IPP (29.9%)
  - Barka 4 IWP (27%)
  - Al Rusail IPP – OCGT (30.9%)
  - Al Kamil IPP – OCGT (65%)

## BAHRAIN

- **138 MIGD water** and 3 GW power (CCGT)
  - Al Dur IWPP (45%)
  - Al Ezzel IPP (45%)
  - Al Hidd IWPP (30%)

## KUWAIT

- **107 MIGD water** and 1.5 GW power (CCGT)
  - Az Zour IWPP (17.5%)

\* Gross capacity

# UNITED ARAB EMIRATES

609 MIGD desalination capacity and over 10 GW power capacity in operation

## Shuweihat 1

*PCOD 2005*

1,500 MW power & 100 MIGD desalination capacity

Operated by Shuweihat O&M Company (50% owned)

## Shuweihat 2

*PCOD 2012*

1,510 MW power & 100 MIGD desalination capacity

Operated by S2 O&M Company (50%)

## Mirfa

*PCOD 2017*

1,600 MW power & 52.5 MIGD desalination capacity

Operated by M Power (100%)

## Fujairah F2

*PCOD 2011*

2,000 MW power & 130 MIGD desalination capacity

Operated by Fujairah F2 O&M Company (50%)

## Al Taweelah A1

*PCOD 2003 / 2009 (extension)*

1,592 MW power & 84 MIGD desalination capacity

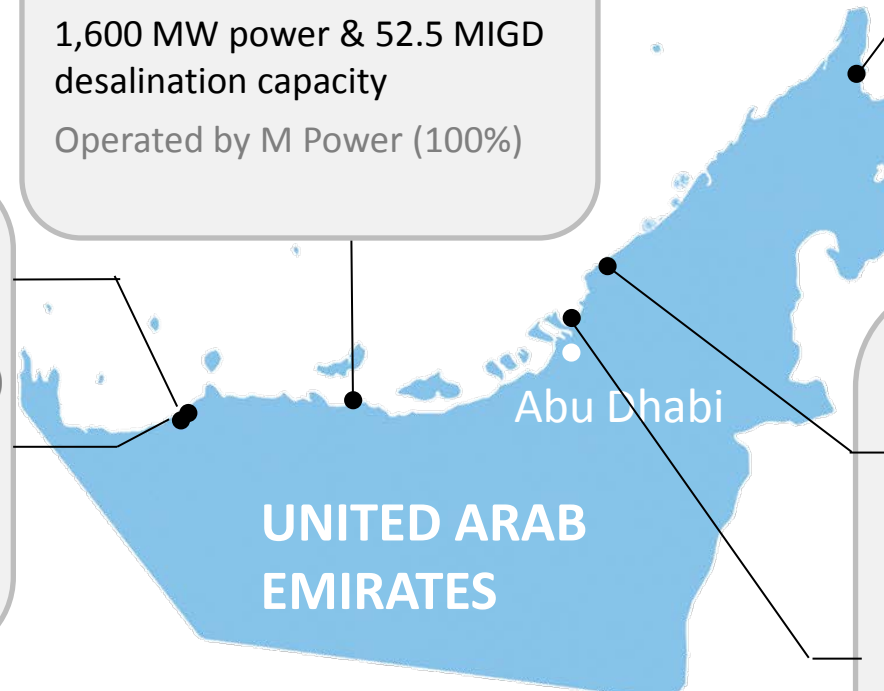
Operated by Total Tractebel Emirates O&M (50%)

## Umm Al Nar

*PCOD 2007*

2,108 MW power & 143 MIGD desalination capacity

Operated by ITM O&M Company (70%)



Combined-cycle gas turbine (CCGT) plant



Desalination plant

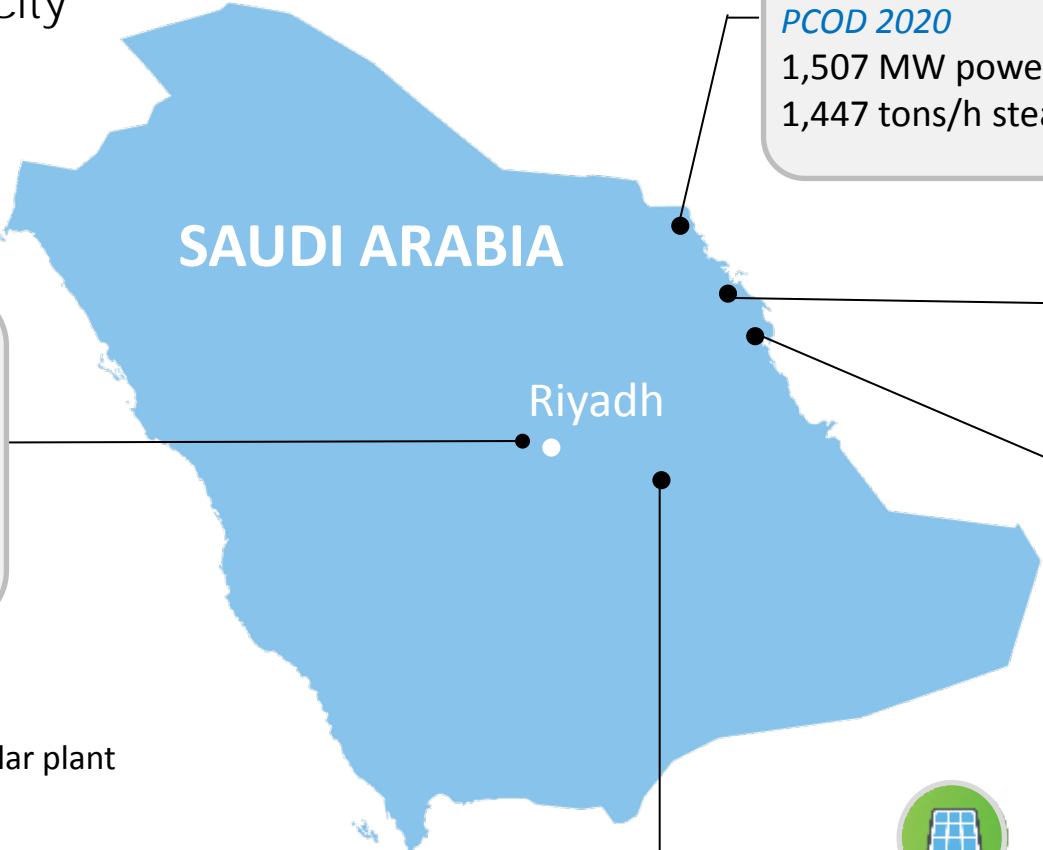
# KINGDOM OF SAUDI ARABIA

In operation:

- 176 MIGD desalination capacity
- 7.5 GW gas-fired power capacity

Under construction:

- 30 MW captive solar power



**Riyadh PP11**  
*PCOD 2013*  
 1,729 MW power capacity

Operated by Dhuruma O&M Company (80%)

**Fadhili**  
*PCOD 2020*  
 1,507 MW power capacity  
 1,447 tons/h steam production

**Tihama**  
*PCOD 2006 / 2015 (extension)*  
 1,608 MW power capacity  
 9,220 GJ/h steam production

**Marafiq**  
*PCOD 2009*  
 2,744 MW power capacity  
 176 MIGD seawater desalination capacity

Operated by Jubail O&M Co. (60%)

**NADEC captive solar PV**  
*Under construction*  
 30 MW

- Combined-cycle gas turbine (CCGT) plant
- Steam production plant
- Solar plant
- Desalination plant

# STATE OF QATAR

123 MIGD desalination capacity and 3.8 GW of power capacity in operation



## Ras Laffan C (20%)

*PCOD 2011*

2,730 MW Power & 63 MIGD desalination capacity



## Ras Laffan B (40%)

*PCOD 2008*

1,025 MW Power & 60 MIGD desalination capacity



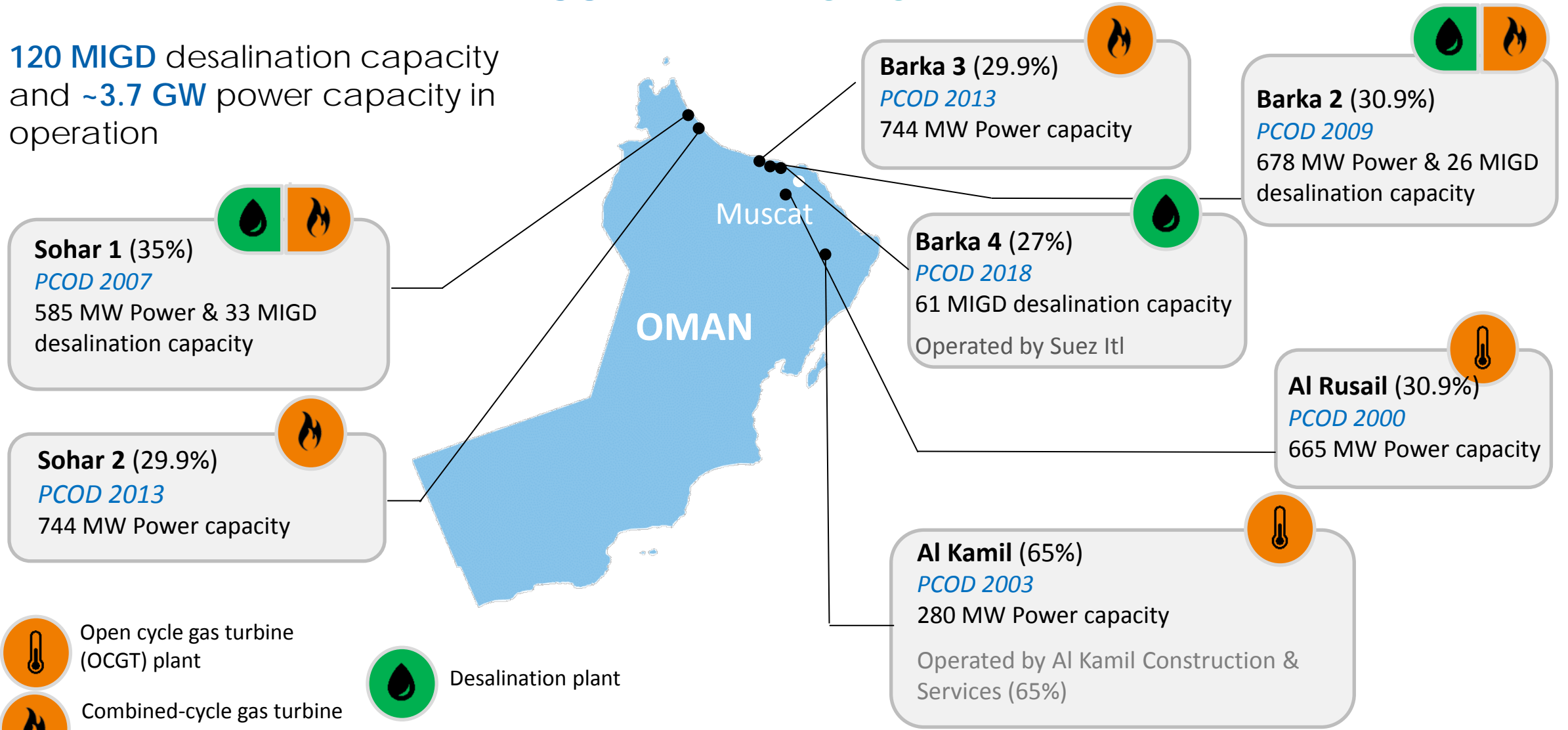
Combined-cycle gas turbine (CCGT) plant



Desalination plant

# SULTANATE OF OMAN

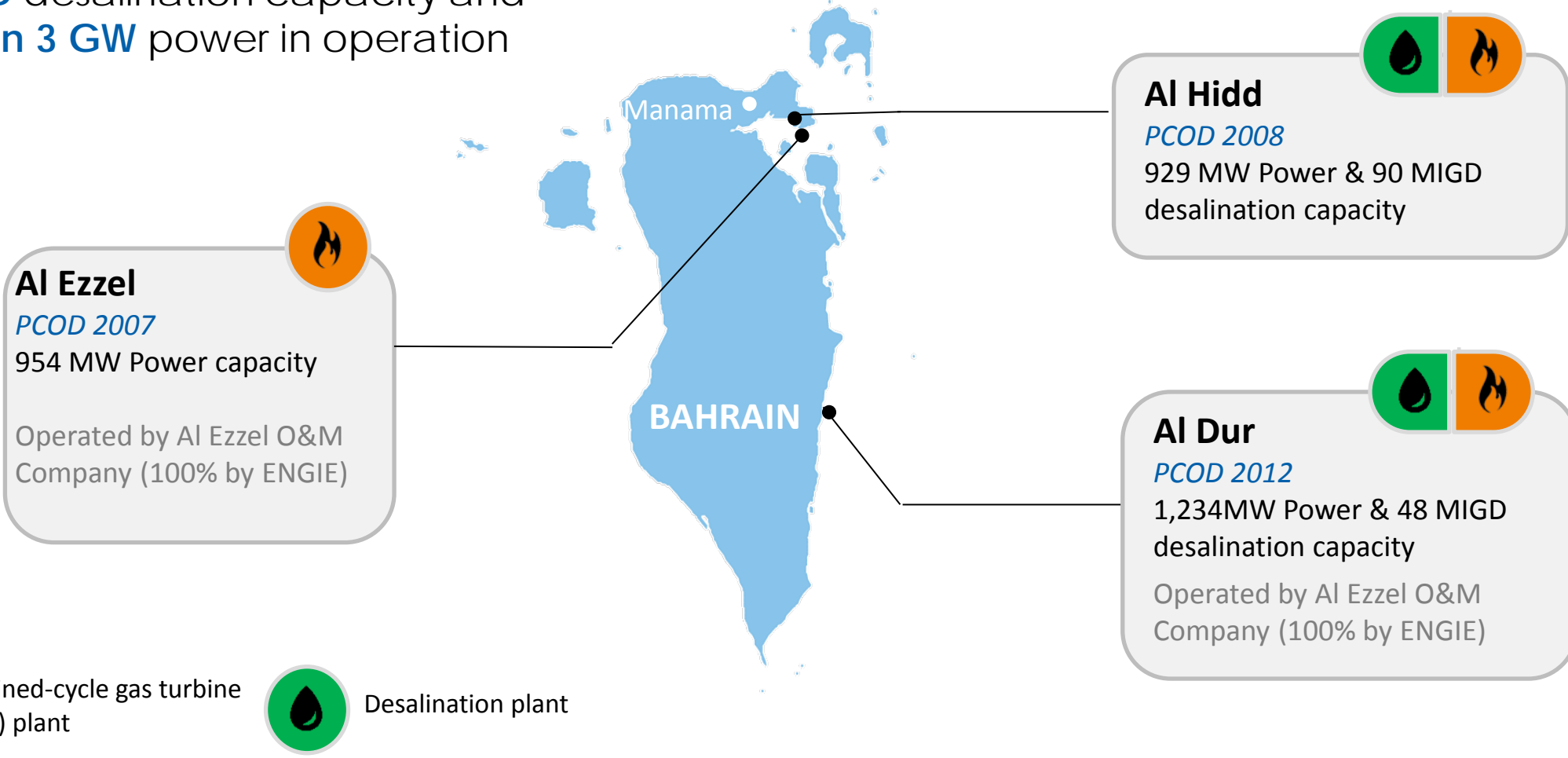
120 MIGD desalination capacity and ~3.7 GW power capacity in operation



All the plants, except Al Kamil and Barka 4, are operated by **ENGIE STOMO** (70% owned)


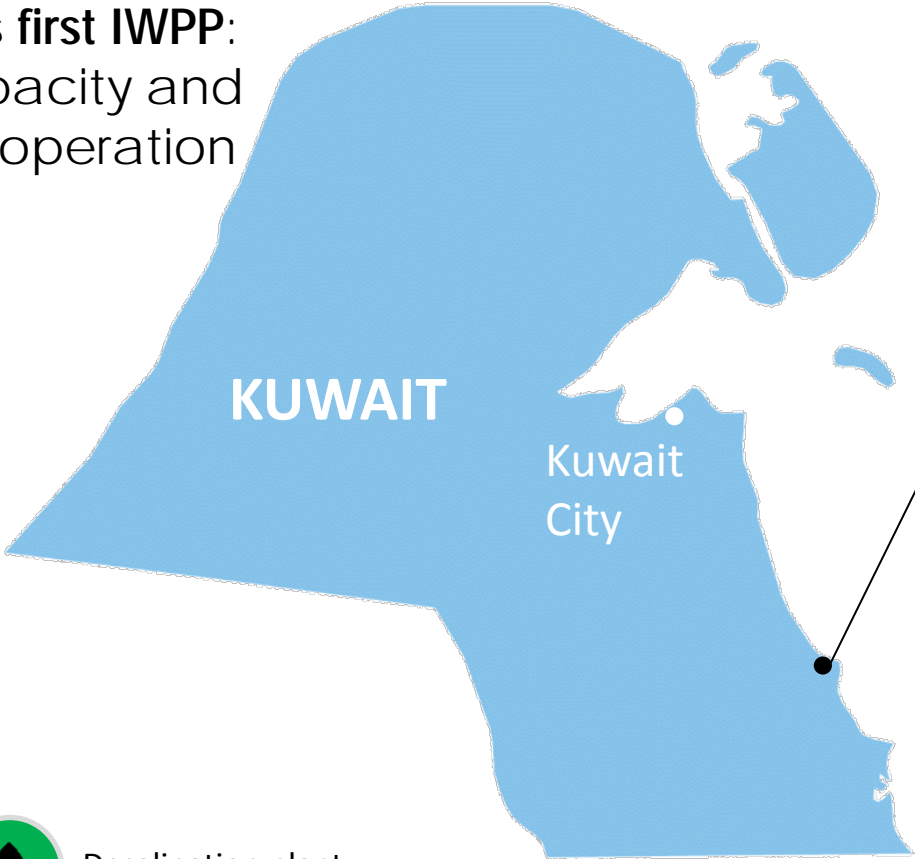
# KINGDOM OF BAHRAIN

138 MIGD desalination capacity and more than 3 GW power in operation




# STATE OF KUWAIT


Az-Zour North was Kuwait's first IWPP:  
**107 MIGD** desalination capacity and  
**1.5 GW** power capacity in operation



**Az Zour North**  
*PCOD 2016*  
1.5 GW Power & 107 MIGD  
desalination capacity  
Operated by AZN O&M  
Company (50 %)



Combined-cycle gas turbine  
(CCGT) plant



Desalination plant