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# Ensuring the Sustainability of Water supply by an Efficient Contract Management Practices

Eng. Arafat Aljabri

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# WEC's Project Delivery & Contracts Management Mandates

# WEC's Project Delivery & Contracts Management Mandates

## PROJECT DELIVERY

- To manage the Construction of new Projects.
- Ensuring on-time delivery of project with active involvement to oversee project implementation by Supervision consultant.
- Prepared Baseline for appointing Supervisory Engineering consultancy service through competitive Bidding process for the signed new Projects construction & commissioning

## CONTRACT MANAGEMENT

- To manage the contracts for 3 operational plant by implementing effective practices
- To manage Fuel supply to the plant.
- Ensure the KPI of Power Generation & Water production of the operational Plants.
- Enhancement of the internal capabilities to manage the new Projects commercial Operations
- Dispute resolution



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# Current Performance

*Project Delivery*

# WEC's Current Projects Under Construction

Shuaibah-3 Exp-II IWP (UC)  
**250,000** m<sup>3</sup>/d (COD: May-2019)

Rabigh-3 IWP  
**600,000** m<sup>3</sup>/d (COD: Jan-2022)

Shuqaiq-3 IWP  
**450,000** m<sup>3</sup>/d (COD: Oct-2021)

Jeddah Airport-2 ISTP  
**500,000** m<sup>3</sup>/d (COD: Dec-2021)

Dammam ISTP  
**350,000** m<sup>3</sup>/d (COD: Feb-2022)

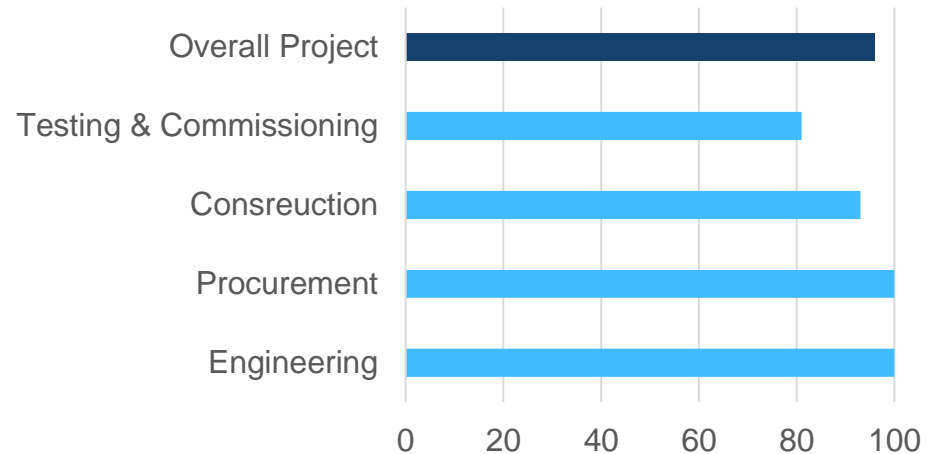


# Current Performance

Project	Type
STPC (250,000 m <sup>3</sup> /Day)	IWP (RO)



## Project Performance



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# Current Performance

*Contract Management*



# WEC's current Operational Projects

📍 *Shuaibah – 3 IWPP*  
**900 MW**  
**880,000 m<sup>3</sup>/d**

📍 *Shuaibah Exp-I IWP*  
**150,000 m<sup>3</sup>/d**

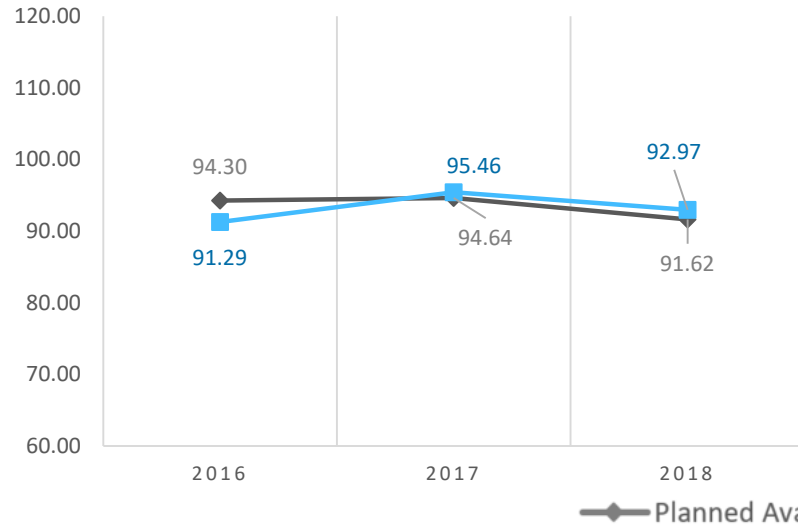
📍 *Shuqaiq – 2 IWPP*  
**850 MW**  
**212,000 m<sup>3</sup>/d**



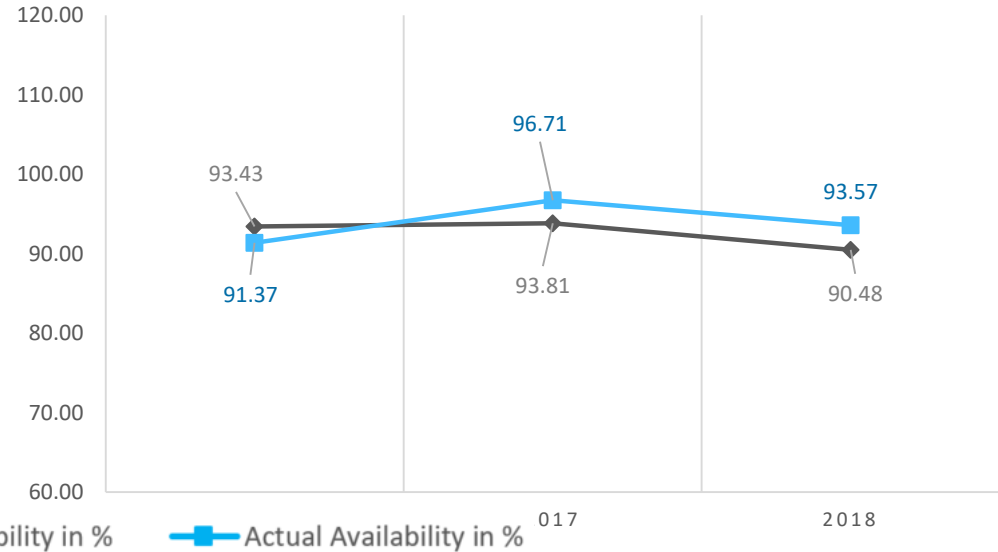
# Current Projects Availability

## Shuaibah – 3 IWPP

### WATER



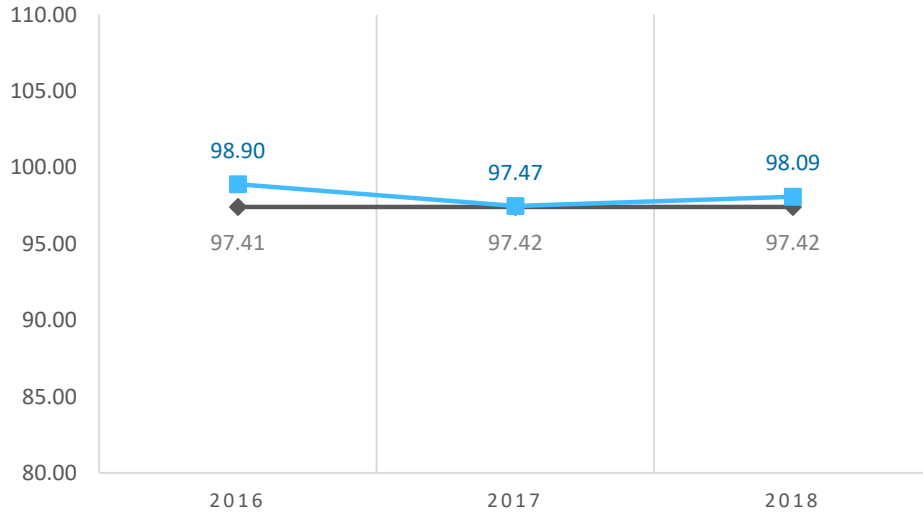
### POWER



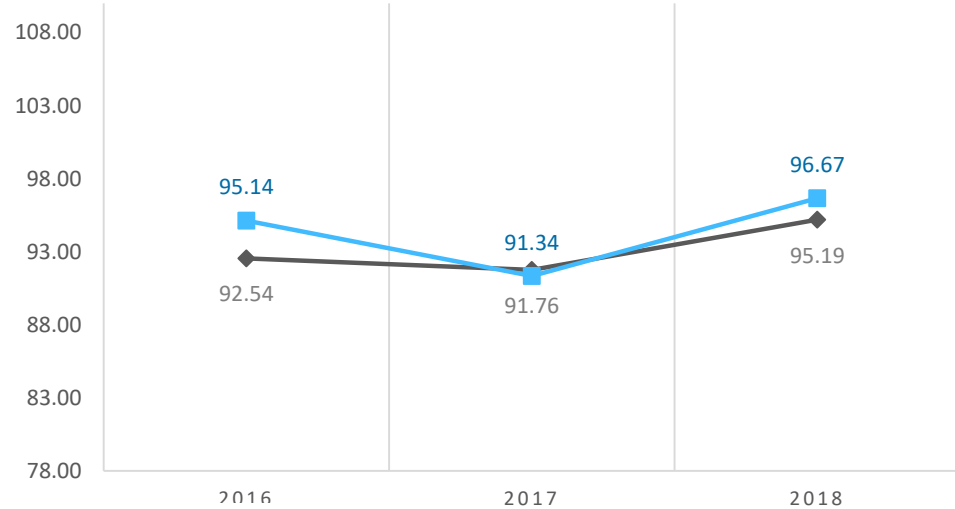
# Key Performance Analysis of Operational Projects in the recent contract years

*Shuqaiq – 2 IWPP*

WATER



POWER

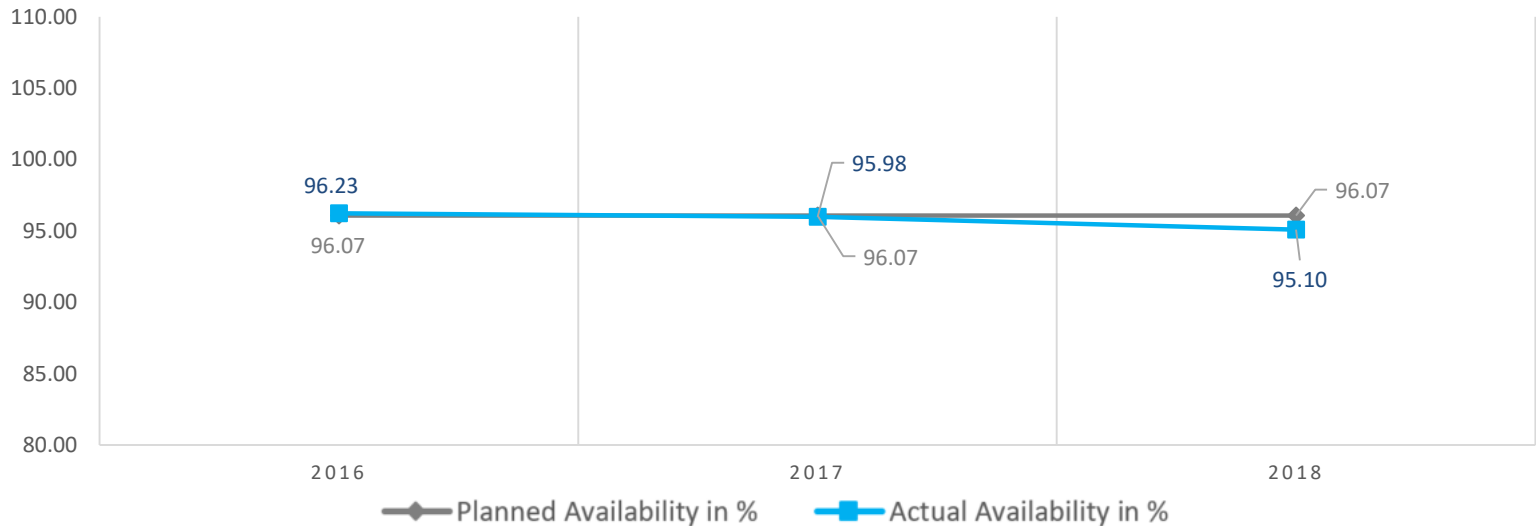


—◆— Planned Availability in %    —■— Actual Availability in %

# Key Performance Analysis of Operational Projects in the recent contract years

## *Shuaibah RO Expansion-I IWP*

### WATER





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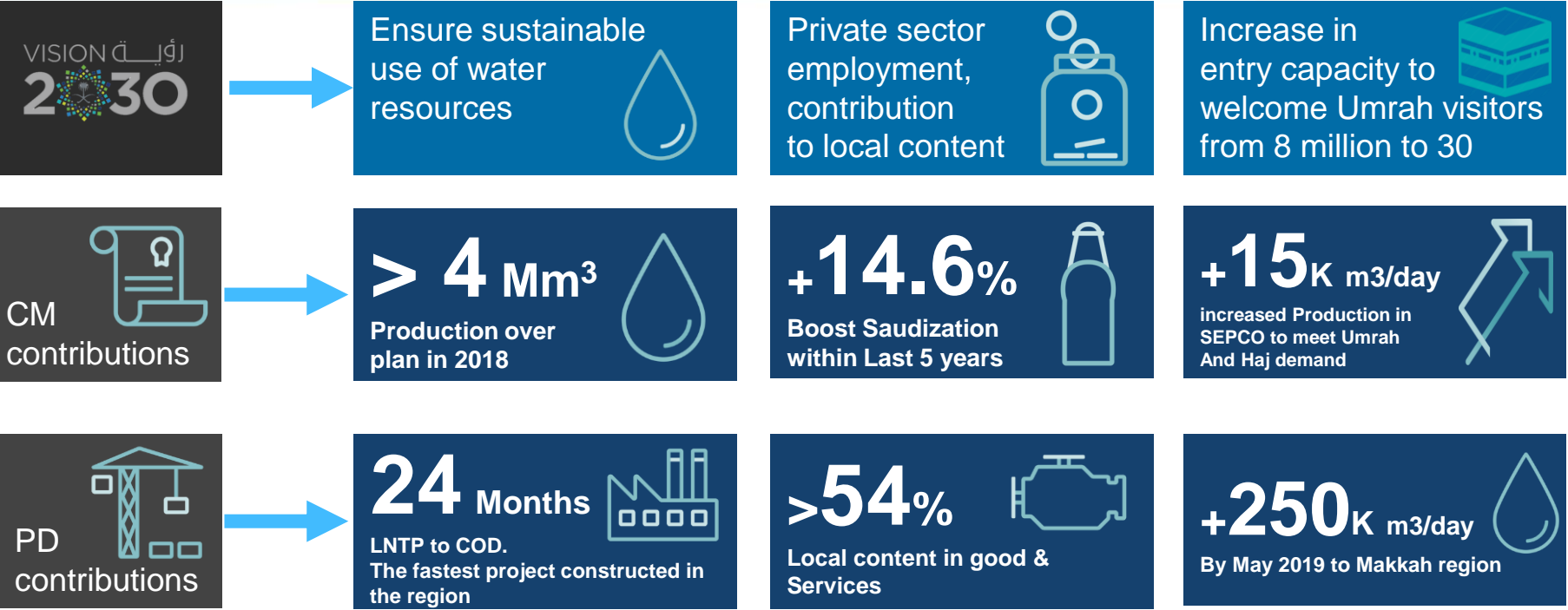


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# Major Achievements

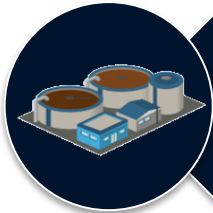
.....and continuing its progress

# Achievements in Numbers



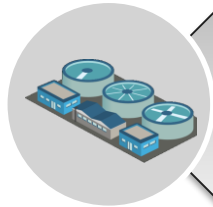
# Qualified Engineering Consultants for WEC Water Projects

*Successfully initiated and completed the RFQ process for qualifying the top class Engineering Consultants to meet the WEC requirement of Supervisory Services in Upcoming Projects in IWP & ISTP sectors*



Total 8 companies qualified for upcoming **Desalination projects**.

*Appointing right engineering consultant through competitive RFP process for Rabigh-3 IWP Supervisory services is nearing completion.*



Total 9 companies qualified for upcoming **Waste Waster projects**.

# Enhancement in Monitoring and Performance Tracking

Steps in plant performance monitoring

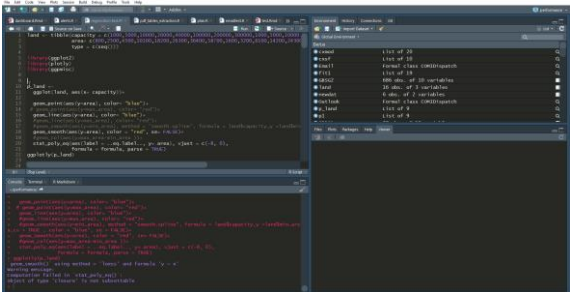


All of these steps have been automated

Automated Monitoring

Automated Analytics

Automated Alerts



This is an Auto generated alert to inform you that

**Availability: -1.03 %**  
**Production Deviation : -222.89 MW**

please issue an incident report

**PDCM**  
Project Delivery & Contract Management

Next stage: *Implementation of Intelligent Central System to manage all the projects with the same core team*



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# Future Challenges

# Future Challenges

**Challenge:**  
**WEC's portfolio  
expanding in  
exponential way**

## **Project Delivery**

- On time delivery of multiple projects managed in parallel.
- Managing project of mixed nature (IWPP/ IWP/ STP).

## **Contract Management**

- Ensure the fulfillment of multiple contracts obligations in timely manner.
- Billing Monitoring and reporting performance of multi and mixed plants operated by different project companies

**Solution:**  
**Smarter not  
harder**

## **Project Delivery**

Proactive planning and arrangements for Resources

## **Contract Management**

Using State of art solution to monitor contracts

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# Thank you