

# PWT Wasser- und Abwassertechnik GmbH

Company Presentation



**Water**  
is our  
**Profession!**





## Milestones – Reliable Partnerships since 50 years

**1989**

Takeover of Salzgitter AG by Preussag AG

**1998**

Fusion of water activities of the Preussag Group in Preussag Wassertechnik GmbH

**2004**

Joining forces with Amiwater, a company of the Amiantit Group

**1990**

Foundation of Preussag Noell Wassertechnik GmbH

**2001**

Name change to PWT Wasser- und Abwassertechnik GmbH

## PWT

Headquarter: Zwingenberg (near Frankfurt a. Main), Germany

Staff: approx. 250 employees worldwide

Presence in 10 countries



## Presence in 10 Countries

Germany

Saudi Arabia

Turkey

Turkmenistan

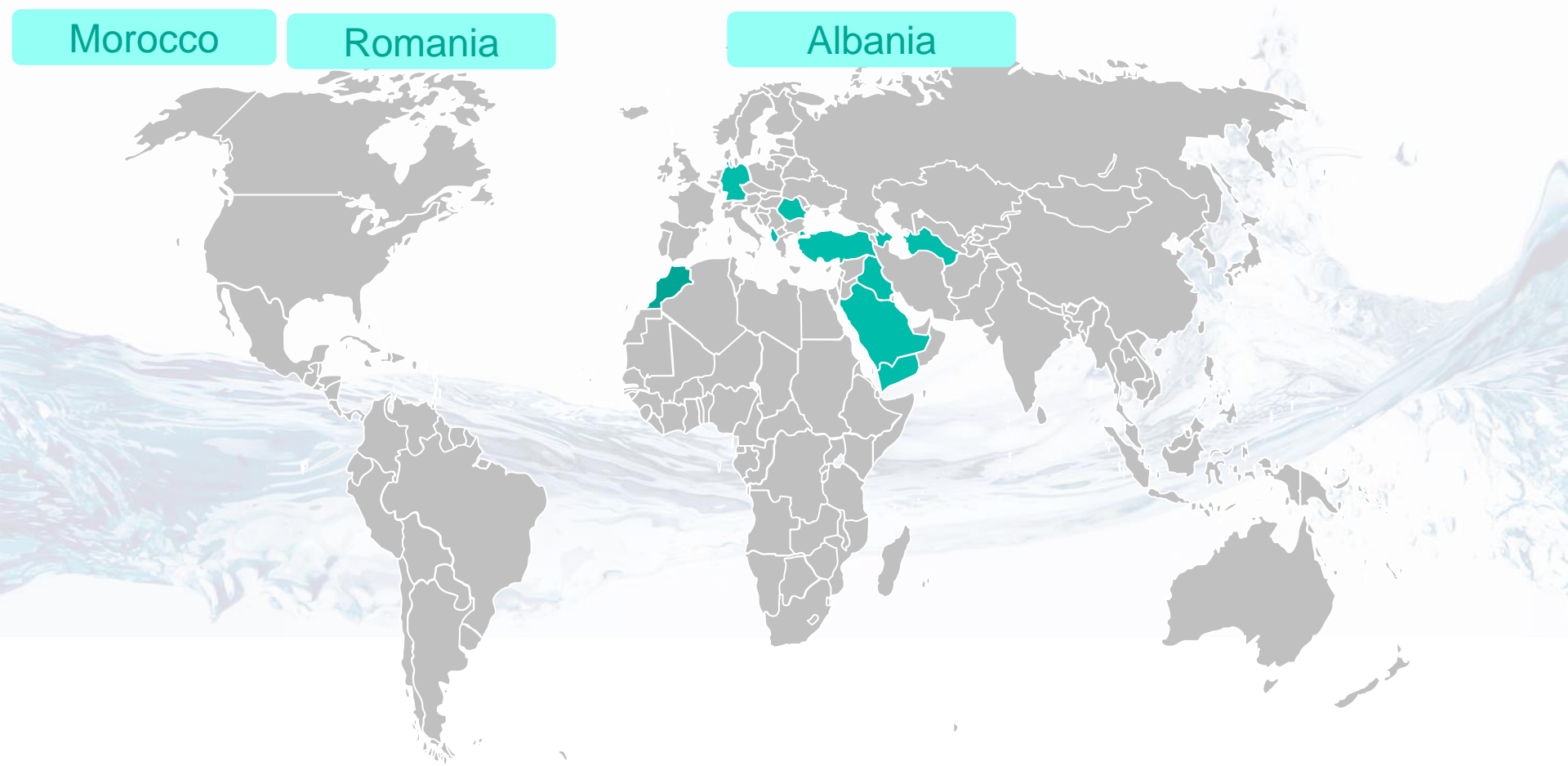
Yemen

Iraq

Morocco

Romania

Albania



## Management

- Marcel Salazar, Managing Director
- Mathias Stief, COO



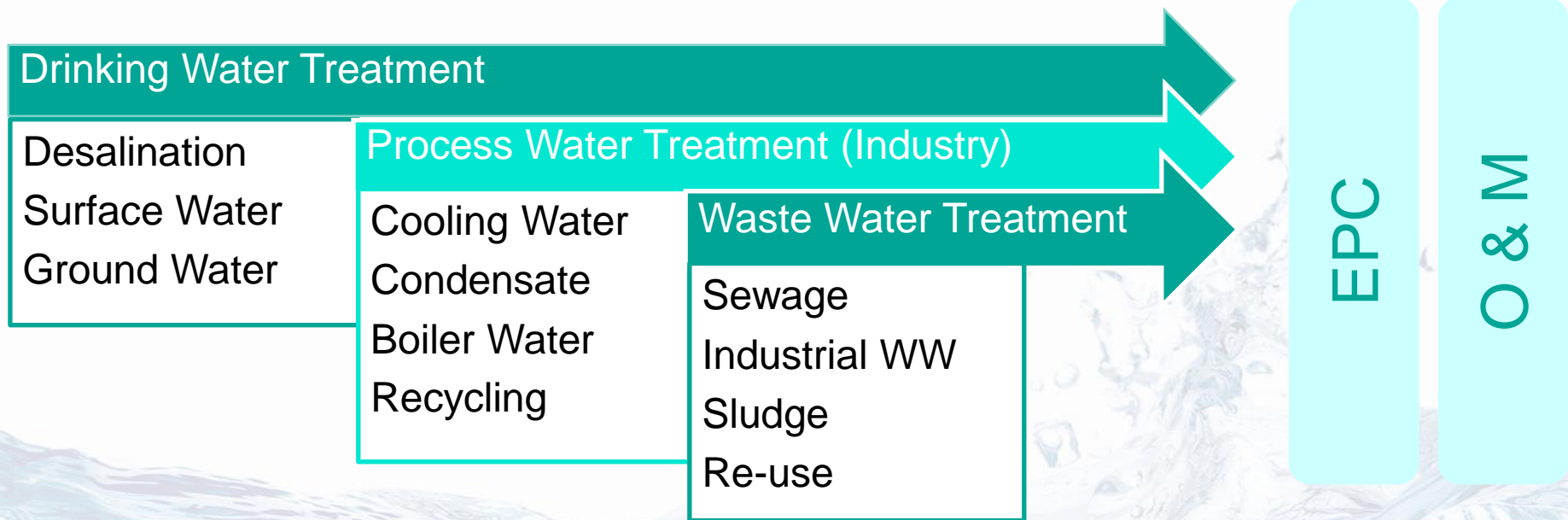


## Our Success

- Over 50 years experience as EPC contractor in Water Technology
- More than 1 000 EPC contracts executed:
  - Large EPC projects (urban drinking water and wastewater treatment plants)
  - Industrial water solutions (water , wastewater, recycling, zero-liquid-discharge)
  - Desalination Plants
- More than 25 on-going O&M Contracts in Drinking Water, Waste Water , Ground water decontamination and Desalination



## Range of Services

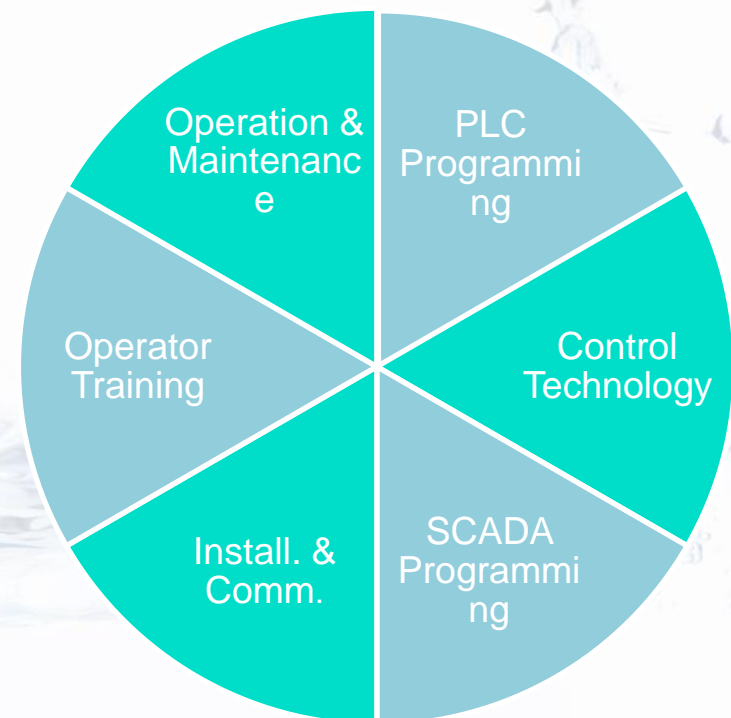
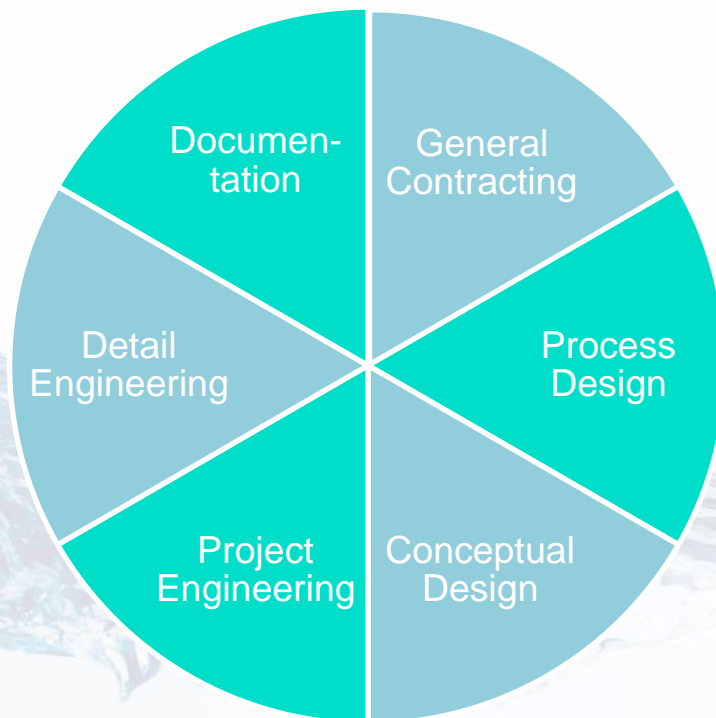


Instrumentation – Control – Automation

Operations & Finance



## Scope of Services



## Targeted markets in KSA

- EPC for drinking water and wastewater treatment
- TSE reuse
- Industrial water solution business
- Desalination plants
- Containerized desalination and wastewater treatment
- O&M
- Clientele:
  - Public clients
  - Contractors and developers (PPP)
  - Urban and agricultural developers
  - Industrial clients

## EPC - Drinking Water Treatment I - Essential for Living

### Drinking Water Treatment Plant

AL SAMAWA, Iraq

220,000 m<sup>3</sup>/d



### SWRO Desalination Plant

AL JUBAIL, KSA

91,000 m<sup>3</sup>/d





## EPC - Drinking Water Treatment II - Essential for Living

### Drinking Water Treatment Plant

HALLE-BEESEN, Germany

60,000 m<sup>3</sup>/d



### SWRO Desalination Plant

EKEREM, Turkmenistan

5,000 m<sup>3</sup>/d



## EPC - Waste Water Treatment I – Clean Water saves the Future

### Waste Water Treatment Plant

AMBARLI, Turkey

Average Dry Weather Flow: 400,000  
m<sup>3</sup>/d



### Waste Water Treatment Plant

HALLE, Germany

Average Dry Weather Flow: 75,200  
m<sup>3</sup>/d



## EPC - Waste Water Treatment II – Clean Water saves the Future

### Waste Water Treatment Plant

BACAU, Romania

Average Dry Weather Flow:

77,800 m<sup>3</sup>/d



### Waste Water Treatment Plant

ESKISEHIR, Turkey

Average Dry Weather Flow: 132,000

m<sup>3</sup>/d





## EPC - Waste Water Treatment III – Clean Water saves the Future

### Waste Water Treatment Plant

ORADEA, Romania

Average Dry Weather Flow: 103,700  
m<sup>3</sup>/d



### Waste Water Treatment Plant

TIMISOARA, Romania

Hydraulic Flow: 10,800 m<sup>3</sup>/h



# EPC - Process Water Treatment I – Effective Solutions for Industries

## Flue Gas Washing Water Treatment Plant

Power Plant Maasvlakte 3, The Netherlands



## Cooling Tower / Flue Gas Washing

Power Plant Datteln, Germany

Cooling Tower: 1,000 m<sup>3</sup>/h

Flue Gas Washing capacity: 30 m<sup>3</sup>/h



## EPC - Process Water Treatment II– Effective Solutions for Industries

### Flue Gas Washing Water Treatment Plant

Power Plant Heyden, Germany

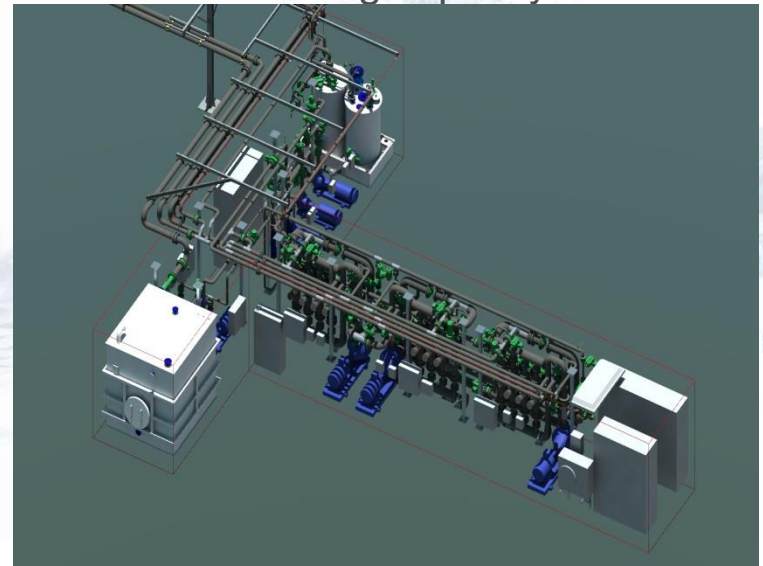
Flue Gas Washing capacity: 36 m<sup>3</sup>/h



### Flue Gas Washing Water Treatment Plant

Power Plant Staudinger, Germany

Flue Gas Washing capacity: 15 m<sup>3</sup>/h





## EPC - Process Water Treatment III – Effective Solutions for Industries

### ABR Wietzendorf

Potato flour, Germany

Capacity: 2 x 70 m<sup>3</sup>/h



### Rinse Water Treatment Plant

Mineral water factory, Germany

Capacity: 20 m<sup>3</sup>/h



## Large Projects – Economical Solutions for Your Infrastructure

### Infrastructure Development for Archabil Avenue in Ashgabat City

- Pump Station 100,000 m<sup>3</sup>/d
- Drinking water reservoirs 30,000 m<sup>3</sup>
- Disinfection plant
- 86.4 km water/waste water lines DN 300-1400, PN 1-16
- 28.5 km natural gas pipes DN 150-DN 400
- 2,100 prefabricated concrete manholes DN 1500





## Operation & Maintenance I – Ensuring sustainability

### Ground Water Treatment Plant

Düsseldorf F 1

Capacity: 80 m<sup>3</sup>/h

Pollutants: CKW, VC, iron, manganese

Main technology applied: precipitation, flocculation



### Ground Water Treatment Plant

Düsseldorf F 2

Capacity: 320 m<sup>3</sup>/h

Pollutants: CKW, VC, iron, manganese

Main technology applied: precipitation, flocculation





## Operation & Maintenance II – Ensuring sustainability

### Ground Water Treatment Plant

Düsseldorf Eller

Capacity water treatment: 75 m<sup>3</sup>/h

Capacity waste air purification: 3,500 m<sup>3</sup>/h

Pollutants: CKW, VC, iron, manganese

Main technology applied: precipitation,  
flocculation



### Ground Water Treatment Plant

Hessisch Lichtenau-Hirschhagen

Capacity: 60 m<sup>3</sup>/h

Pollutants: TNT

Main technology applied: precipitation,  
flocculation



## Operation & Maintenance III – Ensuring sustainability

### Ground Water Treatment Plant

Wedel

Capacity: 2 x 15 m<sup>3</sup>/h

Pollutants: iron, manganese, chlorinated hydrocarbon, PAK, BTEX

Main technology applied: precipitation,



### Ground Water Treatment Plant

Lampertheim

Capacity: 32,5 m<sup>3</sup>/h

Pollutants: arsenic, AOX

Main technology applied: precipitation, flocculation





## Operation & Maintenance IV – Ensuring sustainability

### Waste Water Treatment Plant

CEYHAN, Turkey

Capacity: 34,900 m<sup>3</sup>/d



### Waste Water Treatment Plant

SAMSUN, Turkey

Capacity: 120,000 m<sup>3</sup>/d





## Contact

# PWT Wasser- und Abwassertechnik GmbH



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الوكلاء بجمهورية مصر العربية  
لدولة ليبيا

## „Water is our Profession“