




A Member of the **AMIANIT** Group



# PWT Wasser- und Abwassertechnik GmbH

Water is our  
Profession

**Quality concept**  
Certificates  
Contact details



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**PWT overview**



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**Operation**  
Operation  
Maintenance




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**PWT Wasser- und  
Abwassertechnik GmbH**

**Drinking water**  
Treatment  
Plant engineering




2

**Processwater**  
Treatment  
Plant engineering



4

**Wastewater**  
Treatment  
Plant engineering



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# PWT Wasser- und Abwassertechnik GmbH

## PWT overview

Headquarter : Zwingenberg

Near Frankfurt on the Main

Staff : approx. 150 employees worldwide

Presence in 7 countries

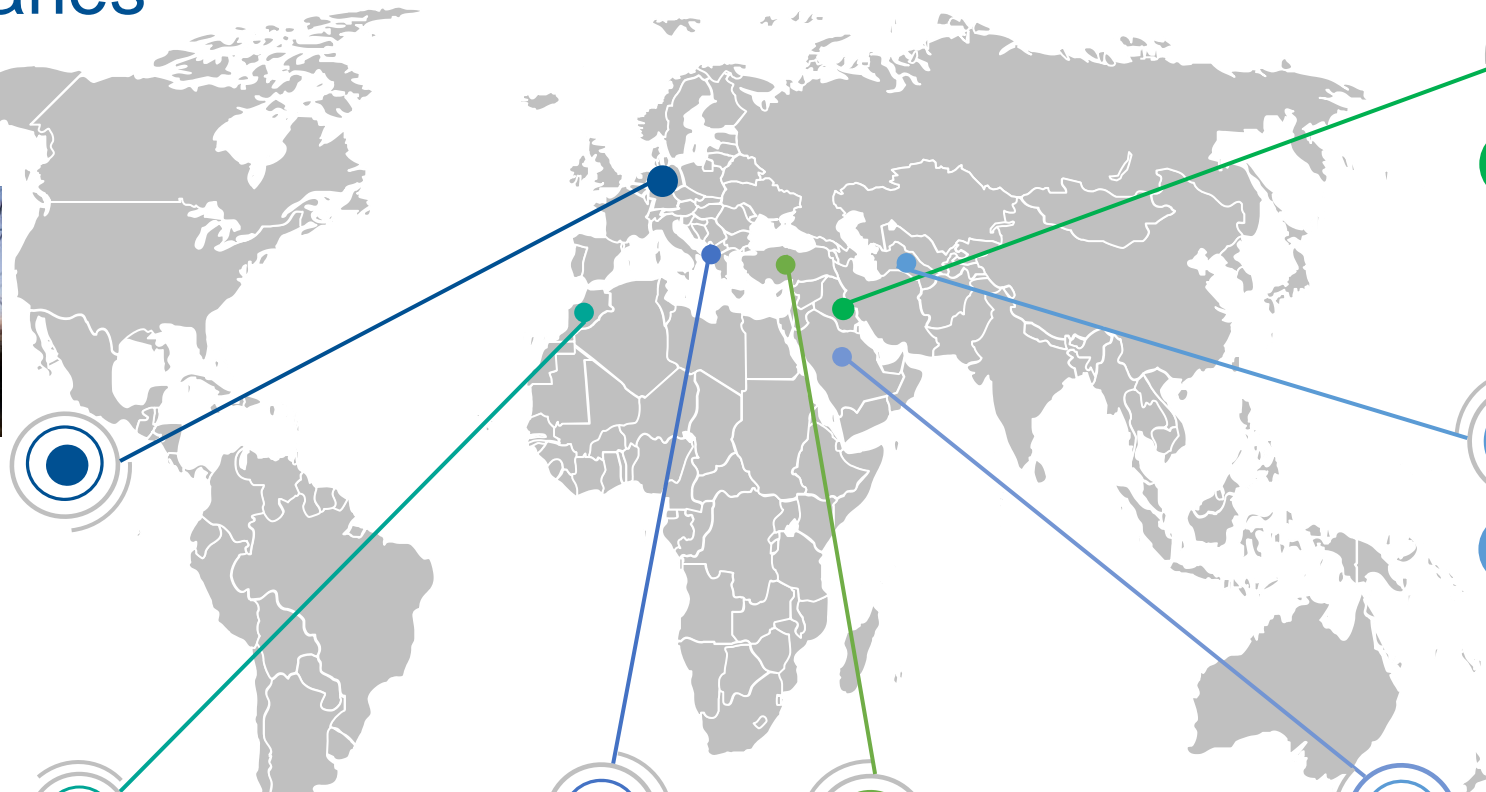


# PWT Wasser- und Abwassertechnik GmbH

## Our subsidiaries



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GERMANY

Zwingenberg

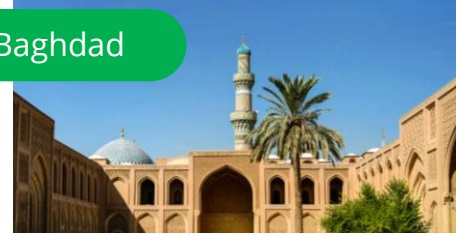


Leipzig



IRAQ

Baghdad



TURKMENISTAN

Ashgabat



MOROCCO

Casablanca



ALBANIA

Tirana



TURKEY

Istanbul



SAUDI ARABIA

Riyadh



# PWT Wasser- und Abwassertechnik GmbH

## Milestones



1989



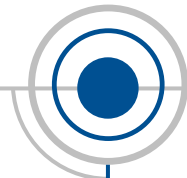
Takeover of Salzgitter AG  
by Preussag AG

Foundation of Preussag  
Noell Wassertechnik GmbH



1990

1998



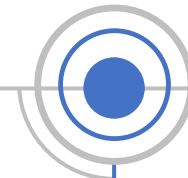
Fusion of water activities of the  
Preussag Group in Preussag  
Wassertechnik GmbH

Name change to PWT  
Wasser- und  
Abwassertechnik GmbH



2001

2004



Joining forces with  
Amiwater, a company of  
the Amiantit Group

# PWT Wasser- und Abwassertechnik GmbH

## Key aspects

More than 1,000 turnkey projects

- Drinking water treatment plants
- Seawater desalination plants
- Wastewater plants

More than 25 management contracts



# Areas of Expertise as EPC and O&M



## Drinking Water Treatment

- Desalination
- Surface water
- Ground water



## Wastewater Treatment

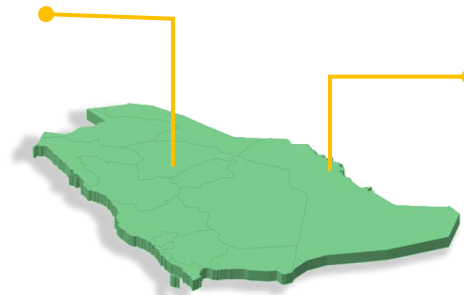
- Sewage
- Industrial wastewater
- Sludge
- Reuse



## Process Water Treatment

- Cooling water
- Condensate
- Boiler water
- Recycling

Project Expansion of R.O. Plant, Sudair Industrial And Business City



Project Installation, and rehabilitation of temporary and permanent Sewage treatment plants Ras Al Khair for the benefit of the Royal Commission



# Scope of Services



**General Contracting**



**Process Design**



**Conceptual Design**



**Project Engineering**



**Detail Engineering**



**Documentation**



**PLC Programming**



**Control Technology**



**SCADA Programming**



**Installation & Communication**



**Operator Training**



**Operation & Maintenance**





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**Abwassertechnik GmbH**



## Drinking water treatment

### Drinking water treatment plant

Al Samawa, Iraq	220.000 m <sup>3</sup> /d
Halle-Beesen, GE	60.000 m <sup>3</sup> /d
Merck Trinkwasseranlage, GE	120 m <sup>3</sup> /h

### Seawater desalination plant

Al Jubail, Saudi Arabia	91.000 m <sup>3</sup> /d
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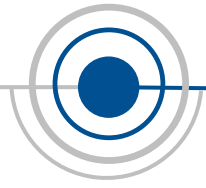
### SWRO desalination plant

Ekerem, Turkmenistan	5.000 m <sup>3</sup> /d
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### Feststoffbehandlung

HWW Granetalsperre, GE	100 m <sup>3</sup> /d
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# Drinking water treatment

## Infrastructure development

Durres, Albania 53.600 m<sup>3</sup>/d  
Archabil, Turkmenistan

Pump station 100.000 m<sup>3</sup>/d  
Drinking water reservoirs 30.000 m<sup>3</sup>  
Disinfection plant



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# Waste water treatment

## Waste water treatment plant

Had Soualem, Morocco	5.100 m <sup>3</sup> /d
Nouaceur, Morocco	4.000 m <sup>3</sup> /d
Himara, Albania	7.600 m <sup>3</sup> /d
Ambarli, Turkey	400.000 m <sup>3</sup> /d
Halle, Germany	75.200 m <sup>3</sup> /d
Bacau, Romania	77.800 m <sup>3</sup> /d
Eskisehir, Turkey	132.000 m <sup>3</sup> /d
Oradea, Romania	103.700 m <sup>3</sup> /d
Timisoara, Romania	10.800 m <sup>3</sup> /d





## Process water treatment

### Process water treatment plant

Merck - Retrofit UO-Anlage, GE 100 m<sup>3</sup>/h

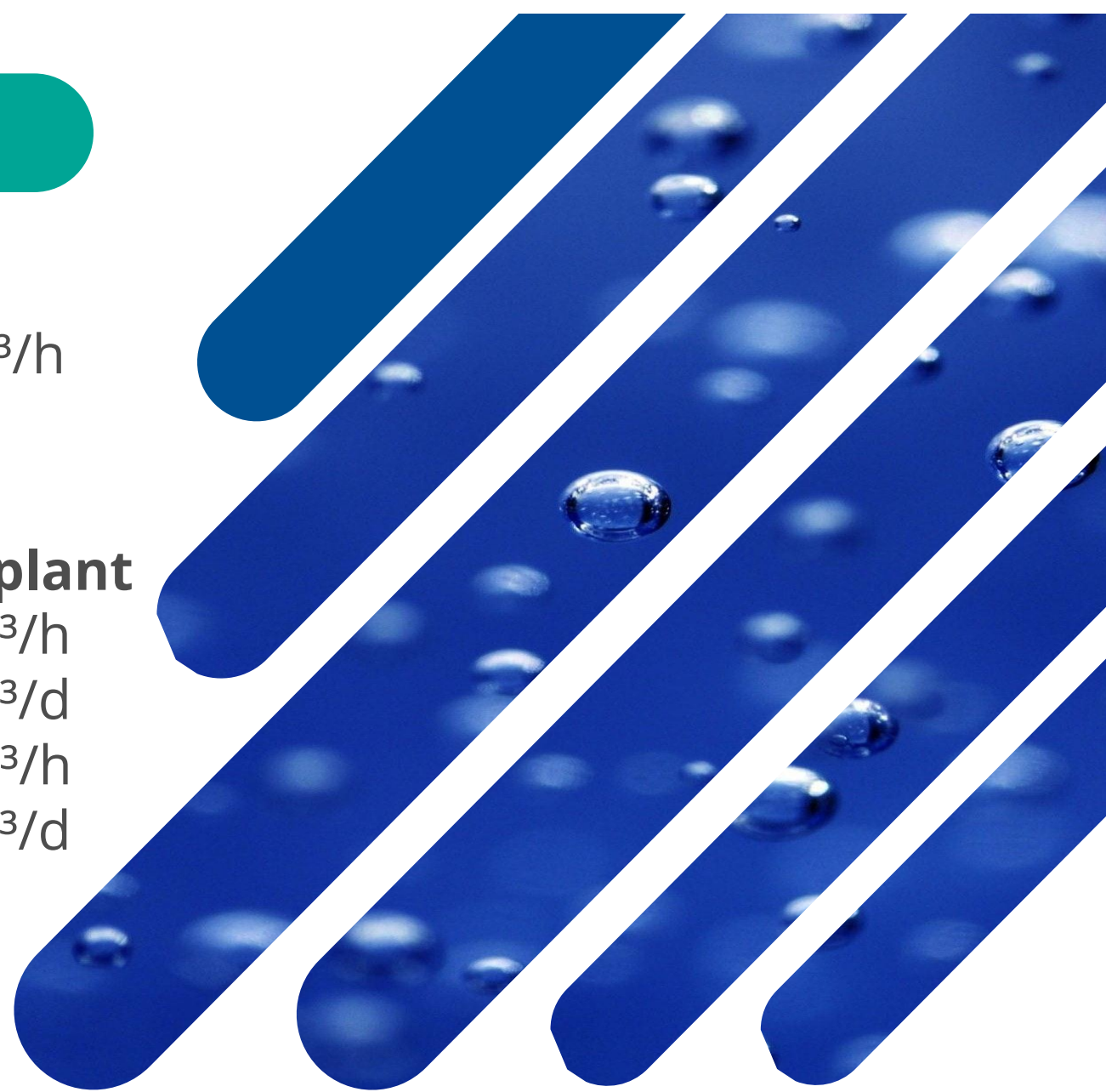
### Flue Gas washing water treatment plant

Kraftwerk Datteln, GE 30 m<sup>3</sup>/h

Kraftwerk Heyden, GE 36 m<sup>3</sup>/d

Kraftwerk Maasvlakte 3, NLD 30 m<sup>3</sup>/h

Kraftwerk Staudinger, GE 15 m<sup>3</sup>/d





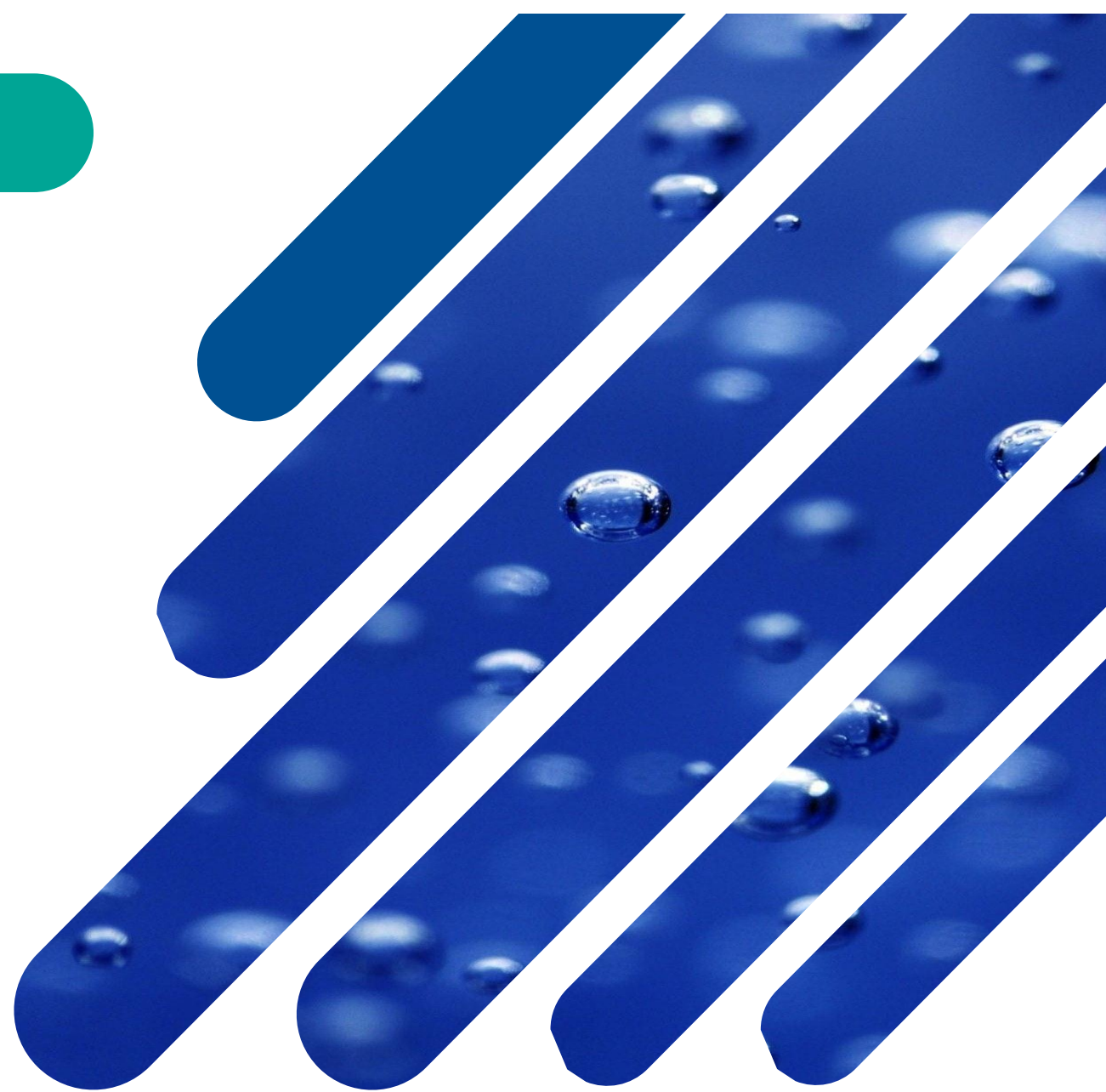
## Process water treatment

### Wastewater treatment from potato starch production

ABR Wietzendorf, GE      2 x 70 m<sup>3</sup>/d

### Rinser water treatment plant

LMB Rinserwasser, GE      20 m<sup>3</sup>/d



# Operation & Maintenance

## Groundwater treatment plant

Düsseldorf F1, Germany 80 m<sup>3</sup>/h

Düsseldorf F2, Germany 320 m<sup>3</sup>/h

*Pollutants : CKW, VC, iron, manganese*

*Main technologies applied for both projects : precipitation, flocculation*

## Düsseldorf Eller, Germany

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

Capacity (air purification) : 3.500 m<sup>3</sup>/h

*Pollutants : CKW, VC, iron, manganese*





## Operation & Maintenance

### Groundwater treatment plant

Hessisch Lichtenau-Hirschhagen, GE

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

Polluants : TNT

*Main technologies applied for both projects : precipitation, flocculation*

Lampertheim, Deutschland

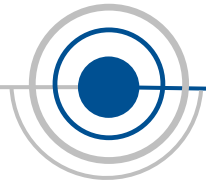
Capacity : 32,5 m<sup>3</sup>/h

Polluants : Arsenic, AOX

*Main technologies applied for both projects : precipitation, flocculation*







# Operation & Maintenance

## Waste water treatment plant

Ceyhan, Turkey

34.900 m<sup>3</sup>/d

Samsung, Turkey

120.000 m<sup>3</sup>/d

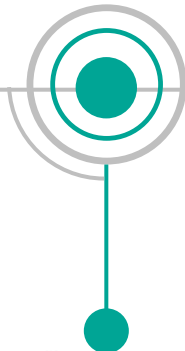


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## PWT certificate



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### Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that: **PWT Wasser- und Abwassertechnik GmbH**  
Platanenallee 55  
Zwingenberg  
64673  
Germany

Holds Certificate No: **FS 542579/9885D**

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

Sales, Design, Planning, Construction and Operation of Treatment Plants for Drinking Water, Industrial and Municipal Waste Water, Treatment Plants for Waste Products, Electrical Distribution, Process Control and Supervision Technology, Maintenance and Chemicals for Water and Sludge Treatment.

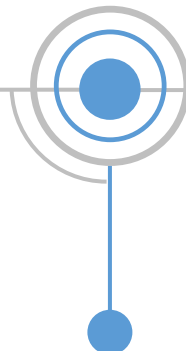
For and on behalf of BSI:

*[Signature]*  
Dr. Tatiana Schmollack-Tarasova, Managing Director,  
BSI Group Deutschland GmbH

Original Registration Date: 2008-11-28  
Latest Revision Date: 2023-11-08



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### Certificate of Registration

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM - ISO 45001:2018

This is to certify that: **PWT Wasser- und Abwassertechnik GmbH**  
Platanenallee 55  
Zwingenberg  
64673  
Germany

Holds Certificate No: **OHS 682424**

and operates an Occupational Health and Safety Management System which complies with the requirements of ISO 45001:2018 for the following scope:

Sales, Design, Planning, Construction and Operation of Treatment Plants for Drinking Water, Industrial and Municipal Waste Water, Treatment Plants for Waste Products, Electrical Distribution, Process Control and Supervision Technology, Maintenance and Chemicals for Water and Sludge Treatment.

Previously certified to OHSAS 18001:2007 since 18/12/2017.

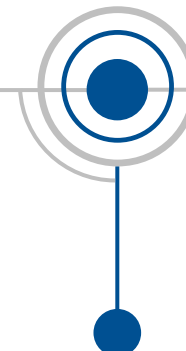
For and on behalf of BSI:

*[Signature]*  
Denise L'Ecuse, Managing Director Assurance - Continental  
Europe

Original Registration Date: 2020-10-16  
Latest Revision Date: 2023-11-08



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### Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that: **PWT Wasser- und Abwassertechnik GmbH**  
Platanenallee 55  
Zwingenberg  
64673  
Germany

Holds Certificate No: **EMS 682422**

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

Sales, Design, Planning, Construction and Operation of Treatment Plants for Drinking Water, Industrial and Municipal Waste Water, Treatment Plants for Waste Products, Electrical Distribution, Process Control and Supervision Technology, Maintenance and Chemicals for Water and Sludge Treatment.

For and on behalf of BSI:

*[Signature]*  
Dr. Tatiana Schmollack-Tarasova, Managing Director,  
BSI Group Deutschland GmbH

Original Registration Date: 2017-12-06  
Latest Revision Date: 2023-11-08



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# PWT Wasser- und Abwassertechnik GmbH

We are here for you!

Solutions for all  
customers !



[www.pwt.de](http://www.pwt.de)

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profession



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