

# WATER TECHNOLOGY TRAINING CAMP

Getting ready for WorldSkills Kazan 2019 –  
learning in competitions

24<sup>th</sup> – 27<sup>th</sup> April & 29<sup>th</sup> April – 2<sup>nd</sup> May 2019  
in Stuttgart/Germany



# KAZAN – HOST OF THE 45<sup>TH</sup> WORLDSKILLS COMPETITION

Every two years WorldSkills hosts the world championship of skills, which attracts more than 1,300 competitors from all over the world. WorldSkills gives youth the chance to compete, experience, and learn how to become an outstanding performer in their skill of choice. All participants have also the chance to win a prestigious medal for themselves and their country.

The skills are divided into 6 categories, as follows:

- Construction and building technology
- Manufacturing and engineering technology
- Creative arts and fashion
- Social and personal services
- Information and communication technology
- Transportation and logistics

For the first time, “Water Technology” will be held as an official skill in the category manufacturing and engineering technology. Whether working in water supply or wastewater treatment, the role of the Water Technician is to observe, identify, report, maintain, control and repair equipment and processes throughout the plant and the networks. For this purpose, they must have knowledge and expertise in mechanics, chemistry, biology, electrical and automation skills as well as environmental protection.

# GERMAN WATER SECTOR TRAINING CAMP

The German water industry is very progressive and its knowledge, standards and rules can serve as guidelines to projects. In addition, Germany is one of the few countries in the world that offers a three-year skilled technician education in the environmental sector since 1984.

For this reason, DWA – the German Association for Water, Wastewater and Waste, being an expert in the water sector, organizes in cooperation with WorldSkills Germany, FESTO and Adiro a „Water Technology“ Training Camp for experts and participants of WorldSkills Kazan 2019.

With the training camp, participants are perfectly prepared for the tasks of the new skill “Water Technology”.

The training aims to explain all relevant tasks to compete on the WorldSkills Kazan 2019 competition in the new skill „Water Technology“. All tasks and requirements which were presented during WorldSkills Abu Dhabi 2017 will be shown and explained. The participants will learn how teachers train workers and academics in the field of water in Germany. The participants are coached by:

- Hilmar Tetsch, Chief Expert Water Technology, Senior Wastewater Engineering Technician, City of Stuttgart
- Rüdiger Heidebrecht, Head of Department Training and International Cooperation, DWA-German Association for Water, Wastewater and Waste
- Hubert Romer, CEO of Worldskills Germany
- Klaus Kronberger and Thomas Schwab, Company Adiro/FESTO





# THE SESSIONS ARE GOING TO COVER THE **FOLLOWING TOPICS**

- Introduction to the German Water Sector, the education system (dual and university) and the technology used in the water utilities
- Tour through a real wastewater treatment plant
- Tour through a virtual wastewater treatment plant by using virtual reality glasses
- How to use the training equipment
- Laboratory water analysis
- PC based closed loop control
- Pump and valve maintenance incl. pneumatic driven slide valve



# WHO ARE THE PARTICIPATING COUNTRIES?

- |            |                  |
|------------|------------------|
| 1. Belarus | 8. Morocco       |
| 2. Brazil  | 9. Russia        |
| 3. China   | 10. Singapore    |
| 4. Germany | 11. South Africa |
| 5. India   | 12. South Korea  |
| 6. Iran    | 13. Vietnam      |
| 7. Jordan  | 14. Zambia       |

(registration in progress)



**Further interested groups are welcome.**



# WATER TECHNOLOGY TRAINING CAMP

## REGISTRATION

Herewith I sign up for the **Water Technology Training Camp** in Stuttgart/Germany

☐ 24<sup>th</sup> April – 27<sup>th</sup> April 2019

☐ 29<sup>th</sup> April – 2<sup>nd</sup> May 2019

Family name/First name

Firm/Authority

Adress

Town/Country/Postcode

Tel./Fax

E-mail

Date/Signature

### PRICE

2.500 €/Person

Including accommodation, hosting, transfers and excursion. Excluding travelling to and from Esslingen.

### TARGET GROUP

Experts and participants of WorldSkills Kazan 2019 in "Water Technology". Training Centre managers who are interested to learn more about "learning in challenges" and about the water related tasks and equipment.

### VENUE

National Academy for Training and Personal Development Esslingen  
Steinbeisstraße 1  
73730 Esslingen.

### INFORMATION

German Association for Water, Wastewater and Waste (DWA)  
Theodor-Heuss-Allee 17 · 53773 Hennef · Germany

Himani Karjala:

Tel.: +49 2242 872-244 · Fax: +49 2242 872-135

E-Mail: karjala@dwa.de

### DWA-TERMS AND CONDITIONS

The general terms and conditions of DWA are deposited under [www.dwa.de/veranstaltungen/agb](http://www.dwa.de/veranstaltungen/agb).

If required, we will send you the terms and conditions.

### PHOTOS

German Association for Water, Wastewater and Waste (DWA)

