DEMOCRATIA

Democratia-Aqua-Technica

IFAT MUNICH 2022

May 30–June 3, 2022
Trade Fair Center Messe München

by Jidapa Kasipiyawong

Participants:
- SRH University Heidelberg
- University of Novi Sad

IFAT—The World's Leading Trade Fair for Environmental Technologies boasts a high international presence and an impressive number of exhibitors and visitors.

IFAT provides a platform for individuals, businesses, and other organisations to share the latest developments in environmental technology, and water, sewage, waste, and raw materials management.

Learned about environmental technologies:

HUBER TECHNOLOGY
WASTE WATER Solutions

1

Ultra Fine Screens
- for the separation of very fine particles
- remove undegradable and degradable, inorganic and organic material at the same time

WEHRLE

2

High-Performance Membrane Bioreactor (MBR)
- the most efficient biological wastewater treatment systems
- compact wastewater treatment systems (Small footprint)
- elimination of COD, ammonia, and nitrogen
- concentrate-free direct discharge
- Reference plant: Thaioil Clean Fuel plant, Thailand

WELLE

3

Maximum Yield Technology (MYT®)
- utilization of residual household waste treatment
- covering the raw material and energy content of the waste
- energy sources (fuels, biogas)
- Reference plant: the waste treatment plant Onnut, Thailand

ProMinent®

4

Ozone Systems
- the strongest oxidant used in water treatment
- elimination of odour and taste
- oxidation of iron, manganese, arsenic
- reaction with organic substances (breaking into smaller molecules)
- cyclic compounds are broken down

DWA
Klare Konzepte. Saubere Umwelt.

5

Digitalization in the German water sector
- Virtual Reality (VR) technology for wastewater treatment plant simulation
- Moodle Platform (presented by Aditi Das- SRH student)

srh

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ORTA DOĞU TEKNİK ÜNİVERSİTESİ
MIDDLE EAST TECHNICAL UNIVERSITY

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