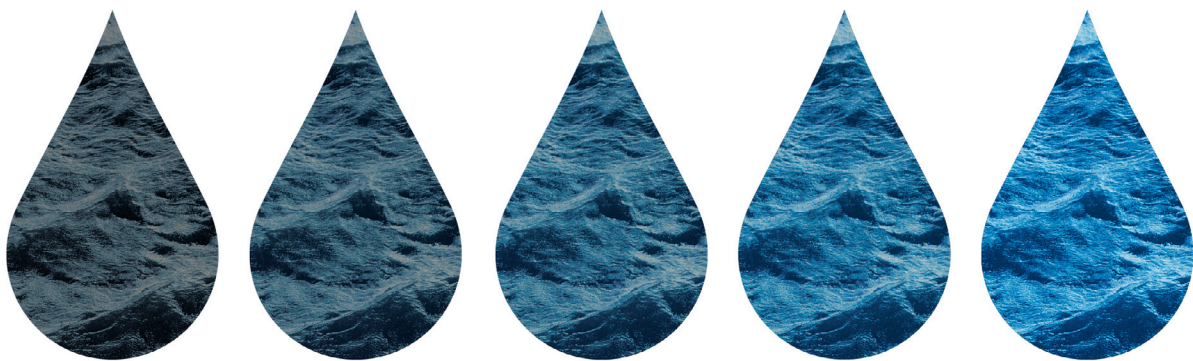


# CUSTOMISED WATER SOLUTION SYSTEMS

INDUSTRIAL WASTE WATER AND PROCESS WATER TREATMENT



IWAT<sup>®</sup>

INDUSTRIAL - WATER - TECHNOLOGY

# FROM POLLUTED TO CLEAN

## WITH IWAT WASTE WATER TREATMENT SYSTEMS

**Recycling** ensures water saving. With our treatment systems we transform your water from a highly polluted to a legally dischargeable and reusable state.



**Your benefits with IWAT** - The combination of high capacity throughput and customised solutions is the trade mark of IWAT plants, with space-saving designs and systems to suit every budget.

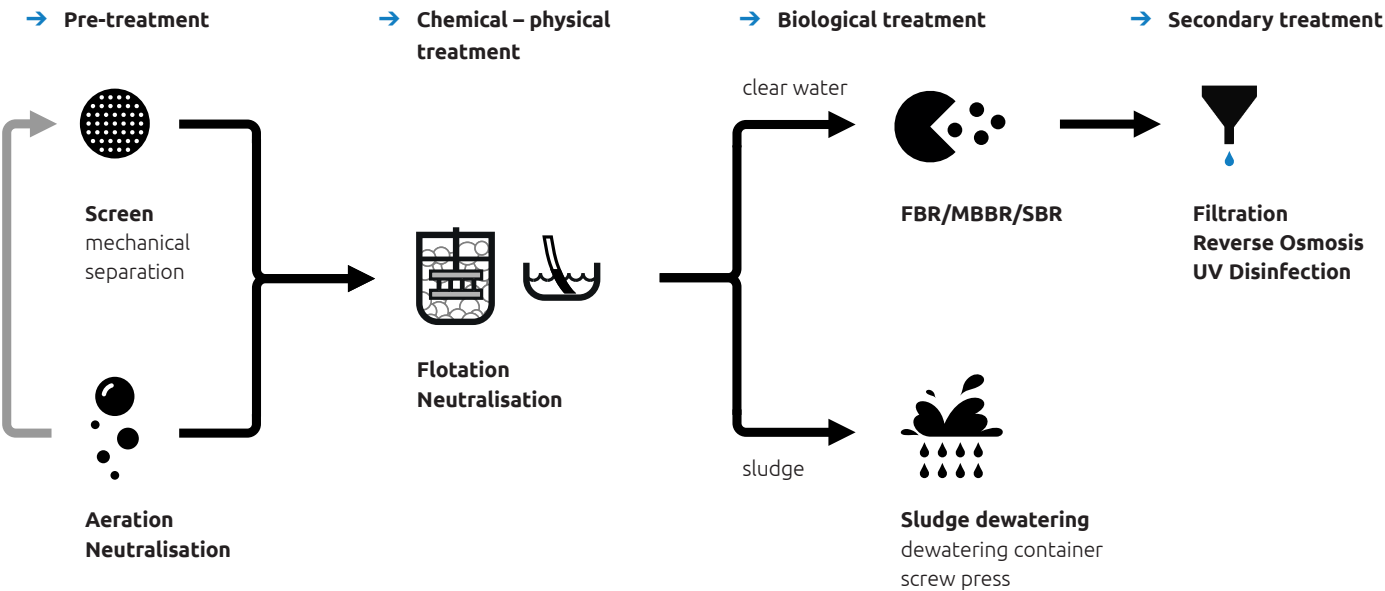


## YOUR BEST ADVANTAGES - AT A GLANCE

- Waste water treatment – to suit your requirements
- High throughput
- Patented two-stage DAF flotation process
- Automatic neutralisation
- Individual and compact design
- Quick amortisation
- Pilot testing
- Sampling and laboratory tests
- Customised process planning & plant design
- Assembly and construction in our production hall
- Installation on site and turnkey handover
- Commissioning with our experienced engineers
- Operators training on handling the system
- After sales service

## IWAT MODULAR SYSTEMS

IWAT OFFERS TURNKEY MODULAR SOLUTIONS USING COMPREHENSIVE TECHNOLOGY TO MEET YOUR INDIVIDUAL REQUIREMENTS. THE FOLLOWING PROCESS STEPS MAY BE CONSIDERED:



# THE PATENTED IWAT FLOTATION SYSTEM

With our two stage flotation system, we can reduce the following factors:  
COD, BOD, grease, conductivity and much more.

**Examples from different industries:**

Fields	Input COD	Output COD	Reduction
Meat industry	10700 mg/l	980 mg/l	91%
Dairy industry	4150 mg/l	800 mg/l	81%
Plastic recycling	6280 mg/l	2140 mg/l	65%

DAF unit

CCF<sup>®</sup>

**Compact Conus Flotation** – the patented two stage system

**1st stage:** sludge discharge by conus construction (for compressed flocks) and a scraper

**2nd stage:** large surface and water nozzles to support sludge discharge via an overflow

- CCF<sup>®</sup> size according to individual requirements
- 2m<sup>3</sup>/h - 35m<sup>3</sup>/h processing possible
- Modular solutions for larger water quantities

## PROTECT NATURE AND SAVE MONEY

Due to our multistage waste water treatment, one can reuse the water for industrial processes and avoid the high municipal waste water disposal fees.





# IN DEMAND MORE THAN EVER BEFORE...

## 3 SHORT QUESTIONS TO THE MANAGING DIRECTOR OF IWAT GMBH, DIPL.-ING. (FH) RAINER OEH

### What exactly does IWAT do?

IWAT develops efficient, low-energy and economical processes to help solve environmental problems. In the end, sustainable use of the scarce resource water can only be achieved through recycling. With IWAT's wastewater treatment plants, we transform wastewater into dischargeable or reusable water on behalf of our customers.

### How does the technology work in simple words?

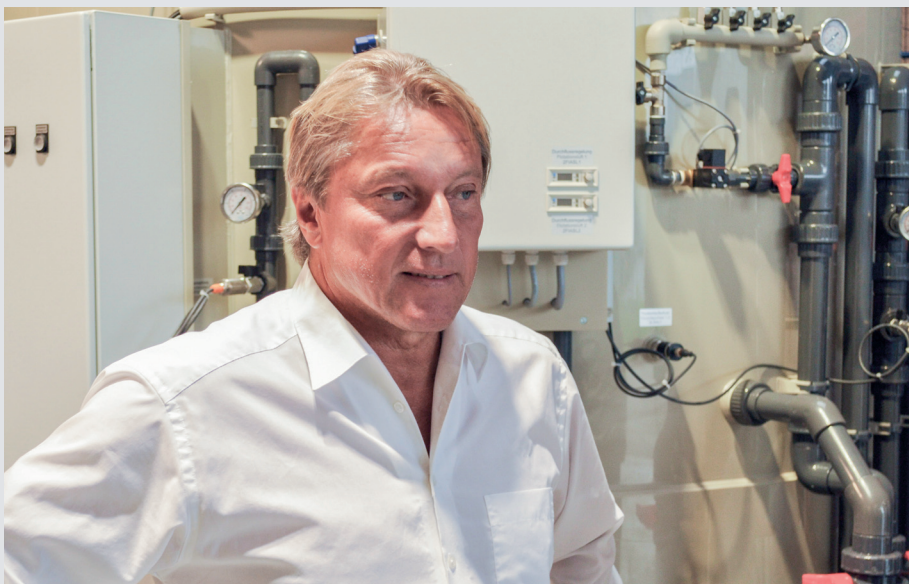
The process principle of flotation is based on emulsion splitting, producing stable and floatable flakes adsorbing organic as well as inorganic particles in water. With the help of technically generated micro air bubbles the flakes are transported to the surface, compressed and separated in the conus.

For an optimum cleaning result, we have developed a two-stage flotation system and patented it under the brand name CCF®. The advantage of this process in comparison to a single-stage process is a significantly better clear water quality due to less solid content and no additional space is required as everything happens in the same tank.

### In which industries is IWAT mainly active?

Currently most of our customers are from the plastic recycling industry, where we are able to recycle up to 98% of the process washing water. This means that we are 100% in line with the current spirit of the reuse and saving of resources.

Other important sectors are the food industry including dairy and meat processing, beverage industry as well as a water recycling for the interior tank cleaning facilities. In these high water-demanding industrial branches the issue of water treatment is imperative.



**FOR THE LAST 20 YEARS  
IWAT GMBH STANDS FOR  
THE ENVIRONMENTAL  
PROTECTION WITH ITS  
WATER TREATMENT AND  
RECYCLING TECHNOLOGIES.**





# 2002

COMPANY ESTABLISHMENT

# 20 YEARS

ENVIRONMENTAL  
PROTECTION

# >230

PLANTS WORLDWIDE

# 30 COUNTRIES

## Europe

Germany  
Serbia  
Croatia  
Slovenia  
Poland  
Spain  
Portugal  
Bulgaria  
Romania

Cyprus  
France  
Montenegro  
Switzerland  
Russia  
Hungary  
Belgium  
Finland  
Denmark

## Middle East

UAE  
Kuwait  
Qatar  
Israel

## USA

California  
South Carolina  
Indiana

## Canada

Quebec/  
Montreal

## Asia

China/Shanghai  
Thailand

## Afrika

Egypt  
Angola



# THE IWAT TEAM FOR YOUR SUCCESS!

**Industrial water technology - IWAT - is one of the most effective methods to treat your waste water!**  
**Choose the quick and easy way to save money.**

At our headquarters in Hebertshausen near Munich, we create **overall solutions for your waste water problems**. No water is too polluted and no industry is too much of a challenge for us.  
Our experienced **engineering** team will design the most efficient plant for you. Due to our **own production**, IWAT offers the "Made in Germany" quality.

**The perfect IWAT System – made just for you!** With our 20 years of experience in engineering of industrial waste water and water recycling plants, we develop your initial idea to a customised system made just for you. Our international team is always glad to assist you.

**As an international company, IWAT develops and supplies the best economical turn-key solutions based on our own comprehensive know-how and state-of-the-art technology.**



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