



# KMU LOFT

Cleanwater



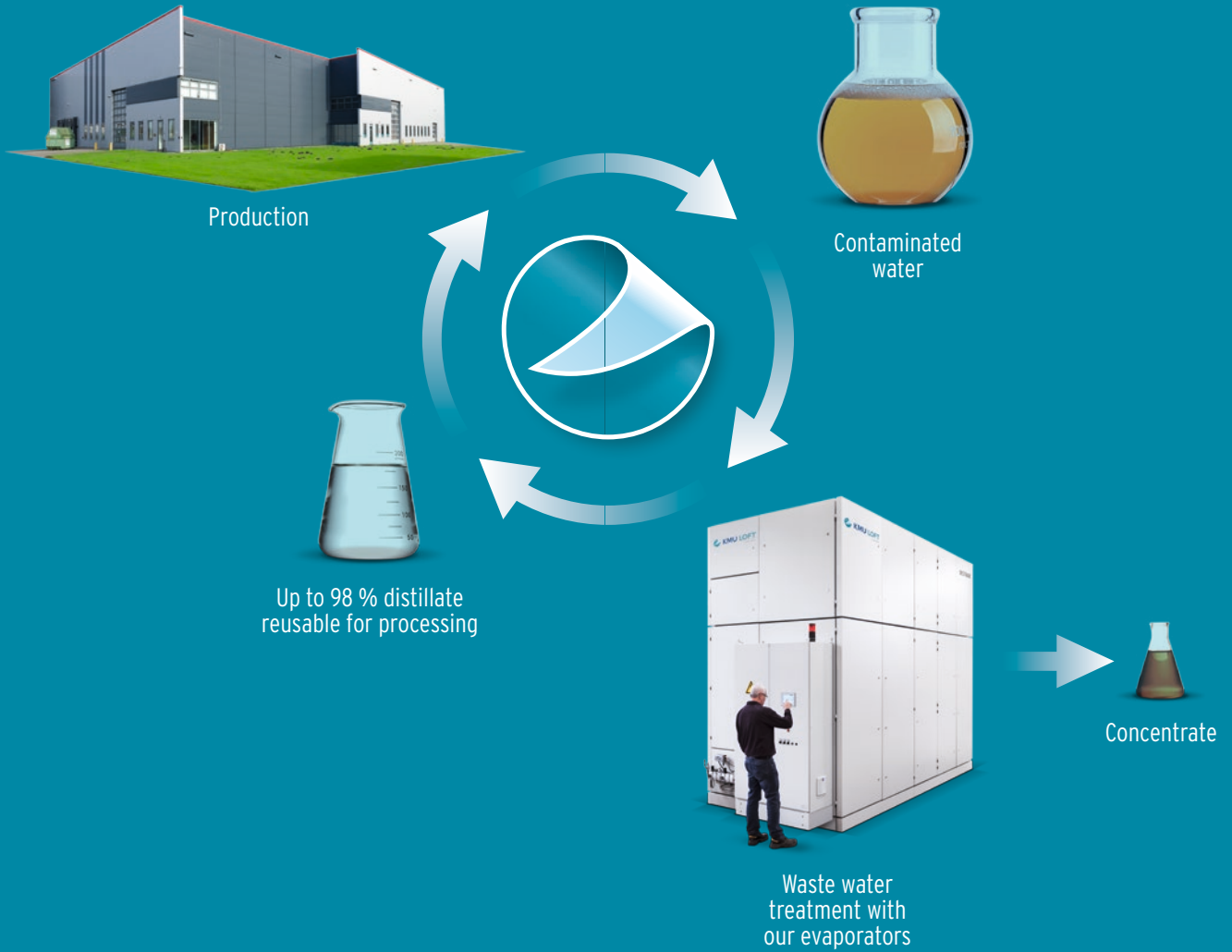
because resources are limited

## Do you really know how much potential is in your waste water?

Come to know how  
you can use this potential with the  
KMU LOFT evaporator technology.



# Resource management for industrial waste water



# Your benefits

## Economical

- Best lifecycle costs
- Fresh water saving
- Full use of process heat
- Reduction of operating costs
- Optimised energy consumption
- Integrable into existing processes
- Low cleaning costs
- Long life cycle

## Ecological

- Waste water free production
- High quality of distillate
- Reusable distillate
- Reducing fresh water
- Chemical-free evaporation
- Improvement of your ecological balance
- Recovery of resources (precious metals)
- Fulfilment of highest environmental standards

# Industries & Waste waters

## Typical fields of industry

- Metal working, metal production
- Surface engineering
- Automotive, aerospace technology
- Energy production and supply
- Waste disposal, recycling, restructuring
- Pharmaceutical, chemical, cosmetics, petrochemistry industry
- Food and beverage production



## Treatment of waste water such as

- Rinse and active bath from surface treatment
- Emulsions (coolants and lubricants)
- Washing and cleaning waste water
- Cleaning water with release agent
- Rinse water from crack detection systems, penetrants



# Waste water treatment using evaporator technology

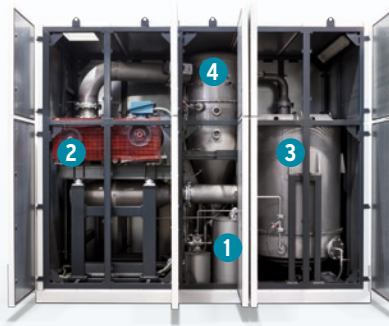
## 1 Pre-heat exchanger

Incoming waste water is pre-heated by outgoing distillate.

## 2 Vacuum pump

Water vapor is compressed, heated and pressed into the heat-exchanger.

## Evaporator



## 3 Heat-exchanger

Hot steam heats up the waste water and condensed to distillate. The waste water evaporates and enters the cyclone.

## 4 High-performance cyclone separator

Vapour is cleaned from ultrafine particles.



### Potential pre-treatment Waste water

- Separation of solids
- Separation of liquid phases
- Membrane technology
- Chemical-physical
- Fresh water treatment

### Advantages of the evaporator

- For most variable waste waters
- Capacity 25-10.000 l/h
- High energy recovery
- Fully automatic cleaning
- High-quality materials



### Potential after-treatment Distillate/concentrate

- Neutralise
- Reduce the conductivity
- Disinfect
- Dehydrate
- Drying



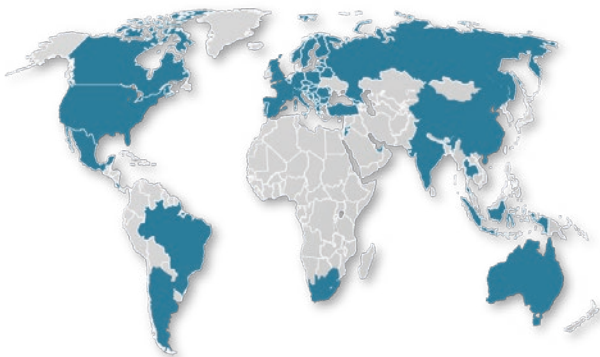
KMU LOFT is the leading specialist in waste water treatment using evaporator technology. We offer you efficient complete solutions.

You benefit from our long-term experience in laboratory tests, pilot-plant testing, supply of consumables and our world-wide service network.

 Made in Germany



Customers trust our system solutions.  
We have the expertise in over 2.200 successful  
projects in more than 50 countries.



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