

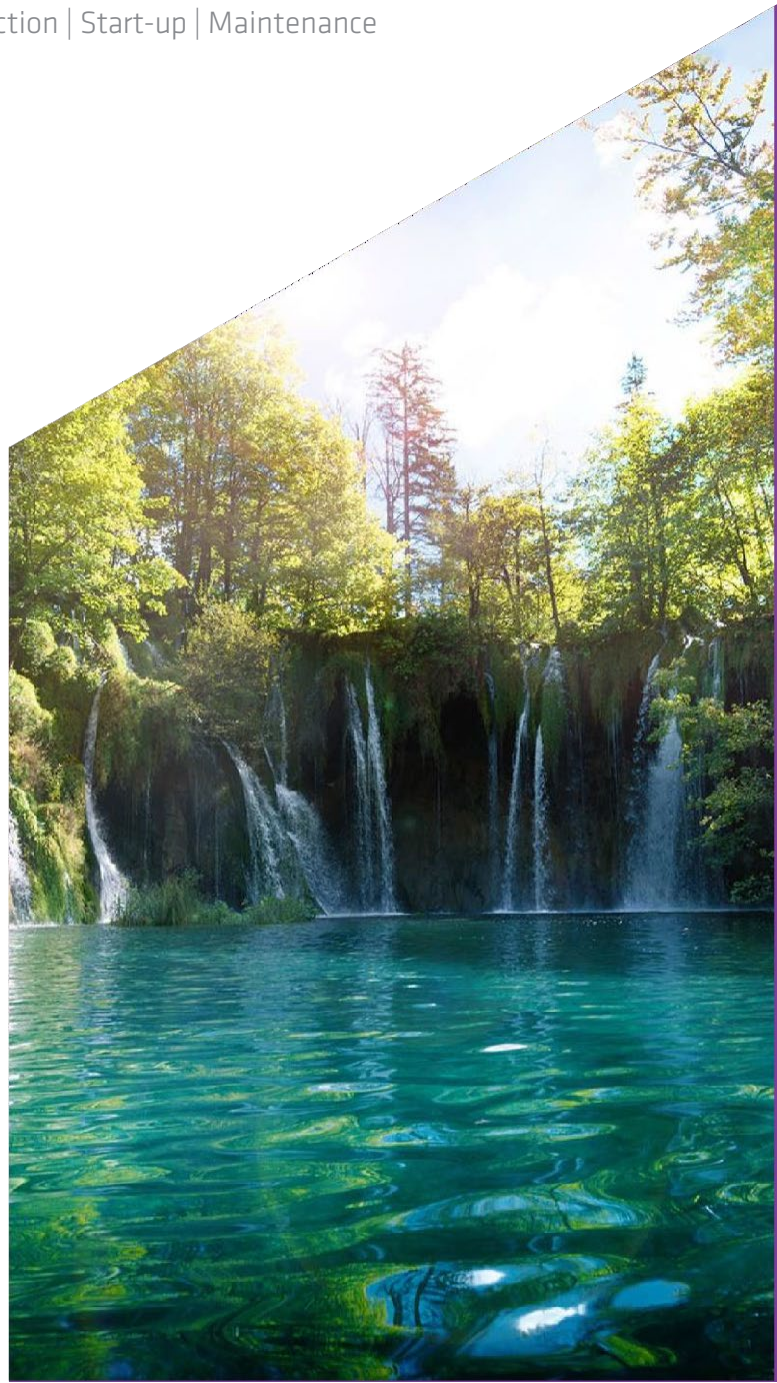


Environmental Experts.

# PURPLE TECHNOLOGY FOR CLEAN WATER

Turnkey Solutions for Wastewater Treatment

Analysis | Planning | Plant Construction | Start-up | Maintenance



## Questionnaire „Heat Exchanger“ (HE)

1. Company Data			
Company			
Address			
Contact Person			
Phone		Fax:	Mobile:
E-Mail			
Industry			

2. Goals	
<input type="checkbox"/> heating water <input type="checkbox"/> cooling water <input type="checkbox"/> heat recovery	
Wastewater treatment plant existing?	<input type="checkbox"/> yes <input type="checkbox"/> no
If yes, what kind of treatment plant?	
If yes, where should the HE be installed?	<input type="checkbox"/> influent <input type="checkbox"/> effluent
Intended use	<input type="checkbox"/> process water (no product contact) <input type="checkbox"/> fresh water (for use in the product) <input type="checkbox"/> space heating <input type="checkbox"/> cooling other:

3. Design Data of the Heat Exchanger			
Production process			
Production days	d/a	d/week	
Production hours	h/d		
	<b>Wastewater</b>		<b>Cooling/Heating medium</b>
Volume flow	min.	m <sup>3</sup> /d max.	m <sup>3</sup> /d
Inlet temperature	min.	°C max.	°C
Outlet temperature	min.	°C max.	°C
pH-value			
Suspended Solids	mg/l		mg/l
Chloride	mg/l		mg/l
Others	mg/l		mg/l

#### 4. DAS offer

Inquiry	<input type="checkbox"/> delivery <input type="checkbox"/> installation <input type="checkbox"/> connecting pipes	
Desired material for media contacting parts	<input type="checkbox"/> stainless steel 1.4308 <input type="checkbox"/> stainless steel 1.4539	<input type="checkbox"/> stainless steel 1.4404 <input type="checkbox"/> titan      other:
Remarks:		

#### 5. Optional: HE

Current usage of waste heat from other media (not wastewater)	<input type="checkbox"/> yes, we use heat exchangers. e.g.:		
What problems do you have/did you have with these heat exchangers?			
Test run to use the waste heat in the past?	<input type="checkbox"/> yes		
How are you currently warming up the medium?	<input type="checkbox"/> gas electricity <input type="checkbox"/> light fuel oil <input type="checkbox"/>	wholesale price: €/ $\text{m}^3$ wholesale price: €/ $\text{m}^3$ wholesale price: €/ $\text{m}^3$	

#### 6. Optional: Wastewater

Parameter	Unit	Influent (present)	Effluent (goal)	Remarks
Volume flow	$\text{m}^3/\text{d}$			
COD	$\text{mg/l}$			
$\text{NH}_4\text{-N}$	$\text{mg/l}$			
$\text{NO}_3\text{-N}$	$\text{mg/l}$			
$\text{PO}_4\text{-P}$	$\text{mg/l}$			
Other wastewater substances to be considered:				
Discharge of wastewater	<input type="checkbox"/> direct discharge		<input type="checkbox"/> indirect discharge	
Remarks:				