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**AWAS Branch  
Offices International**

Warsaw / Poland  
Moscow / Russia  
Lviv / Ukraine  
Tashkent / Uzbekistan  
Sibiu / Romania  
Zagreb / Croatia  
Salenstein / Switzerland  
Techiman / Ghana

**AWAS product range:**

-  **treating**  
Water recycling  
Sector-specific processes  
Biological treatment plants  
Chemical/physical treatment  
Adsorption plants
-  **separating**  
Separators for light liquids  
Large separator plants  
Simultaneous oil- and particles separation
-  **clarifying**  
Biological reactors  
UV-A-bio water processor  
Cavitation-biology
-  **service**  
Analysis  
Project planning  
Installation  
Maintenance  
General inspection



• Regelmäßige Betreuung  
• Fachbetrieb gemäß DIN



**Metal recycling**

Waste water treatment plant



# Waste water at metal recycling

## Rain water and waste water on storage areas and transshipment spaces in the field of steel recycling and disposal companies.

There are many sources of rain water and waste water in the metal recycling. These waters contain various pollutants and need to be treated, so that purified water can be discharged to the sewer. Therefore a waste water treatment plant – central or local – is required in order to meet the local Governmental effluent limits. Benefit from our long lasting, international experience!

## Surfaces, where discarded metal without adherence of emulsion is stored and transhipped.

Large paved and asphalted areas will cause heavy water streams during rain fall. Employment of our technology offers a direct oil-/sludge-treatment and/or limiting of discharge rain water.

### AWAS solution:

#### Coalescence separator ac. to EN 858 class I System AWAS-Galaxie

Specific AWAS features:

- **simultaneous separation of oil and sludge**
- **non-clogging**  
no devices installed in the separator which might clog or reduce the flow
- **no coalescing filters or corrugated plates**  
no cleaning or replacement of coalescence devices



Galaxie 2002 for surface dewatering at storage areas or transshipment spaces of discarded metal without adherence of emulsion.

- **low-maintenance**  
no spare parts required
- **storage and retain**  
of light liquids in case of oil disaster
- **monitoring (optional)**  
via process control by online monitoring of in flow, overflow and outflow
- **expandable (optional)**  
by combination of storage, limiting, bypass and overflow technology.



## Surfaces, where discarded metal with adherence of emulsion is stored and transhipped:

At storage areas and transshipment spaces with discarded metal with adherence of emulsion, like metal-cutting industry, heavily loaded waste water accrues. Ingredients are emulsions as well as heavy metal require a separate treatment.

The employment of our technology offers an effective treatment and cleaning of this waste water.

### AWAS solution:

(additional to the afore mentioned solutions)

- + **Chemical/physical emulsion splitting plant as flotation- or charge splitting plant**



ADF-flotation with chamber filter-press for surface dewatering at storage areas or transshipment spaces of discarded metal with adherence of emulsion.