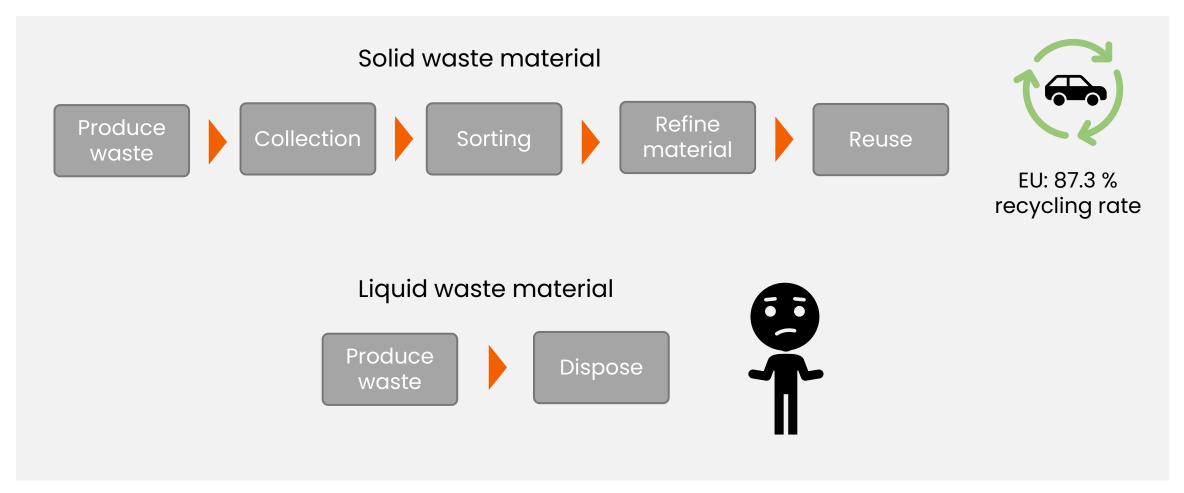






# Recycling today







#### The missing link in upcycling

We help our customers achieve next level circular processes. Our unique innovation is easily adaptable to any industrial side stream to turn it into a sustainable and profitable business.



Commercializing cutting-edge research



Innovative problem solving fueled by new technology



Versatile personnel with broad expertise

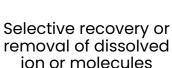
#### Innovative solution

## 4D Scavenger

State-of-the-art technology assembly with unprecedented recovery performance, coupled with unlimited structural and functional design options



Quick and convenient customization





Ideal for low metal concentration solutions

### A new era of industrial processes





### → Significance of efficiency

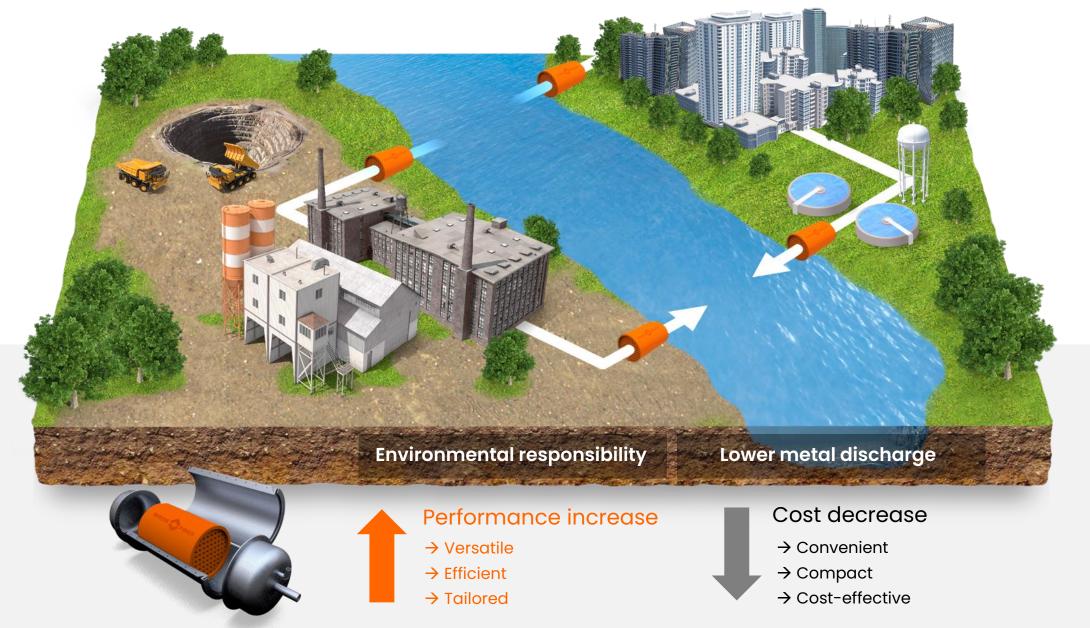
Complete utilization of raw materials in circular processes require adaptation of new and innovative technologies

### → Stringent environmental requirements

Regulatory limits, increasing treatment costs and zero-waste targets present unforeseen challenges for water treatment

### Solution for industrial processes





### Solution for industrial processes





### Features and advantages

→ Based on innovative research

Scientific work enable a combination of renowned technologies into a modern product with unique functionality

→ Proven technology

Thorough technical validation has demonstrated the numerous pathways for improved performance and efficiency

→ Easy startup and maintenance

Compact and modular design coupled with customized process ensures scalability, straightforward installation and optimized capital and operation expenses

### Applicable for

INDUSTRIAL PROCESSES / MINING / RUNOFF WATER / WASTEWATER





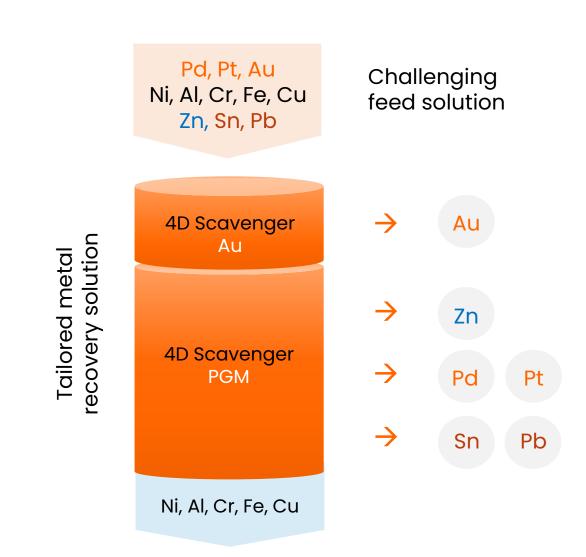
#### **Case Study**

## Valuable Metals from Dissolved Electronic Waste

## The hybrid arrangement provides unprecedented selectivity

- → 4DS Au for gold recovery
- → 4DS PGM for Pd and Pt and other anionic metals

Further separation through gradual elution



# Thank you for your attention.



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