

WATCH WATER UNVEILS SELECTIVE METALTRAPP®

Targeted heavy-metal removal with
regeneration and resource-recovery potential

Mannheim, Germany | August 2026



1. What is Selective MetalTrapp®?

Selective MetalTrapp® is Watch Water's advanced treatment technology for the highly selective capture and removal of dissolved heavy metals from industrial water, process water, groundwater and wastewater. It is designed for demanding application where high selectivity, low residual metal concentration, regenerable operation and resource-recovery potential are required.



2. Why it is different

- Selectively captures target metals instead of treating everything in the water
- Achieves deep heavy-metal reduction to very low residual concentrations
- Supports regeneration for repeated operating cycles
- Reduces waste volume and can lower operating cost
- Enables concentration and possible recovery of valuable metals



3. Target metals

Copper • Nickel • Cobalt • Zinc • Cadmium • Lead •
Chromium • Iron • Manganese • Silver • Mercury



4. How the system works



During regeneration, captured metals are released into a concentrated regeneration stream, creating the possibility for recovery, controlled handling and reduced waste.



5. Application areas

- Electroplating and metal finishing
- Battery manufacturing and recycling
- Mining and hydrometallurgical operations
- Electronics and semiconductor water systems
- Industrial wastewater polishing
- Groundwater remediation
- Water reuse and resource-recovery projects



6. The bigger vision

Selective MetalTrapp® has been developed at the intersection of clean water, industrial sustainability and strategic metal recovery. The concept is simple:

Clean the water. Capture the metal. Regenerate the technology. Recover the resource. Reuse the water.



SELECTIVE METALTRAPP®

Select the Metal. Trap the Contaminant. Recover the Resource.



CLEAN WATER



REGENERATE
TECHNOLOGY



RECOVER
RESOURCES



REUSE
WATER

Now available for laboratory evaluation, pilot testing and full-scale engineered systems.

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