

# Specialist Metal Recovery



Environmental Services



Ref: SMR

# Safe and efficient waste management



## Our Services

### Industries we serve

Future Industrial Services operate a range of processes to enhance recovery of metal bearing wastes from the following industries:-

- Metal plating
- Circuit board manufacture
- Oil industry (fatty catalysts)
- Chemical manufacture
- Metal forming and fabrication
- Steelworks
- Pharmaceutical processes
- Petrochemical
- Aerospace
- Automotive

### In-house capabilities

Our in-house capability can recover and recycle the following metals from aqueous solutions, spent and waste catalysts, filter cakes and contaminated solids:-

- Copper (Cu)
- Nickel (Ni)
- Cobalt (Co)
- Molybdenum (Mo)
- Tin (Sn)
- Platinum (Pt)
- Tungsten (W)
- Palladium (Pd)

Waste from industrial processes, and solutions from electronic & plating industry often contain high concentrations of ammonia. We operate an ammonia stripper for air stripping of ammonia-laden solutions.

Services are supported by in-house expertise in chemical plant design and the preparation of appropriate documentation necessary for relevant authorisations

# Specialist Metal and Catalyst Recovery

Future Industrial is continuously investigating innovative techniques to recover valuable raw materials and commodities.



**Waste management is an opportunity to extract value from resources that are normally disposed of with little or no benefit either environmentally or economically. We are at the forefront for extracting the valuable resources held within waste.**

- Our expertise extends to both bespoke chemical plant and process design.
- We can undertake investigation programmes to develop practices from laboratory through to pilot plant, and full scale processes.
- Our specialised filtercake drying facility recovers and recycles non-ferrous metals. Metal hydroxide filtercakes are fed through a tubular dryer, which is an indirect contact dryer that uses dry saturated steam as the heating medium. The valuable metal concentrates produced are suitable for re-use or smelted and recovered as metal or aqueous solutions which go back into the industry and licensing.

# Services we offer to industry



## Environmental Services Request a brochure

- Future Waste Treatment Plants (ref: WTP)
- Future Waste Transfer Stations (ref: WTS)
- Hazardous Waste Containers (ref: HW)
- Oil Waste Management, Recovery & Recycling (ref: OWM)
- Mercury Recovery (ref: MR)
- Specialist Metal Recovery (ref:SMR)
  - Metal Recovery Plant
  - Catalyst Recovery
  - Ammonia Recycling Treatment
  - Nickel & Cobalt Recycling
  - Filtercake & Sludges

## Specialist Industrial Services Request a brochure

- Tank Cleaning (ref: TC)
- Cold Cutting (ref: CC)
- AD, ERF & Silo Cleaning (ref: ERF)
- Offshore Services (ref: OS)
- Utilities (ref: US)
- Interceptor Cleaning (ref: OWM)
- High Level & Rope Access Cleaning (ref: TC)
- High Pressure Water Jetting (ref: TC)
- Special Projects (ref: SP)

Call 0330 128 1111

### Registered Office:-

Image Business Park, Acornfield Road,  
Knowsley Industrial Park, Kirkby,  
Liverpool, L33 7UF

FIS Company Registration Number: 03734986



[enquiries@futureindustrial.com](mailto:enquiries@futureindustrial.com)



[www.futureindustrial.com](http://www.futureindustrial.com)



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