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

enquiries@futureindustrial.com
www.futureindustrial.com

Nationwide

Ref: SMR
Specialist Metal and Catalyst Recovery

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

Safe and efficient waste management

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 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)

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.

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)

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.

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.

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.

Safe and efficient waste management

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.

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.
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

enquiries@futureindustrial.com
www.futureindustrial.com
Nationwide

Registered Office:-
Image Business Park, Acomfield Road,
Knowsley Industrial Park, Kirkby,
Liverpool, L33 7UF
FIS Company Registration Number: 03734986