

# chemical cleaning services

Creating visible results and clear benefits:

- Improved thermal efficiency
- Removes flow restrictions
- Suppresses corrosion reactions
- Environmental control – reduces the hazardous nature of waste streams



**Veolia Environmental Services operates a UK-wide chemical cleaning service which will clean or decontaminate areas unsuitable for mainstream industrial cleaning methods.**

Minimising downtime and environmental impact are key factors to our approach and technical solutions. Veolia Environmental Services has invested in the most efficient high specification equipment to ensure we achieve the highest possible performance for our clients.

## Visible results

Chemical cleaning delivers visible results through the application of chemicals to remove surface contamination. Our experienced chemical cleaning professionals provide tailored technical solutions to meet your exact requirements.



## The preferred cleaning solution for

- Restricted access
- Minimising confined space entry
- Cost/downtime reduction



# *technical* **cleaning solutions** for industry *through chemistry*

## **The chemical cleaning process**

A variety of chemicals can be used to remove heavy contaminants throughout the chemical cleaning process. An initial site survey and discussion provides an understanding of your expectations and laboratory-based trials are used to identify the most effective solution. We undertake specific risk and COSHH assessments followed by a detailed method statement and project plan.

## **Typical types of chemicals used**

- **Sodium Hydroxide** – to remove oil and gas
- **Hydrochloric Acid** – to remove scale in carbon steel components
- **Nitric Acid** – for use in stainless steel equipment
- **Sulphuric Acid** – for removal of organic tars, cokes
- **Sulphamic Acid** – for use on galvanised metals
- **Citric Acid** – for use on mixed metals
- **Phosphoric Acid** – passivation of carbon steel surfaces

## **Chemical selection is determined by several factors**

- Composition of the components to be cleaned
- Client specification
- Environmental restraints
- Nature of the contamination

## **Recent projects**

- BP Chemicals
- Sabic Petrochemicals
- ConocoPhillips
- Huntsman Petrochemicals
- Corus Engineering
- GlaxoSmithKline
- ESSO
- Amec
- Marlow Foods
- Europa Polimeri
- Centrica Energy

## **A dependable service partner**

Veolia Environmental Services' industrial services arm operates from a network of regional depots in the UK. We offer an impressive range of tailored solutions and services to many industry sectors including:

- Tower flushing
- Decommissioning & demolition
- Tank cleaning
- Emergency environmental remediation

**To find out more please contact:**

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