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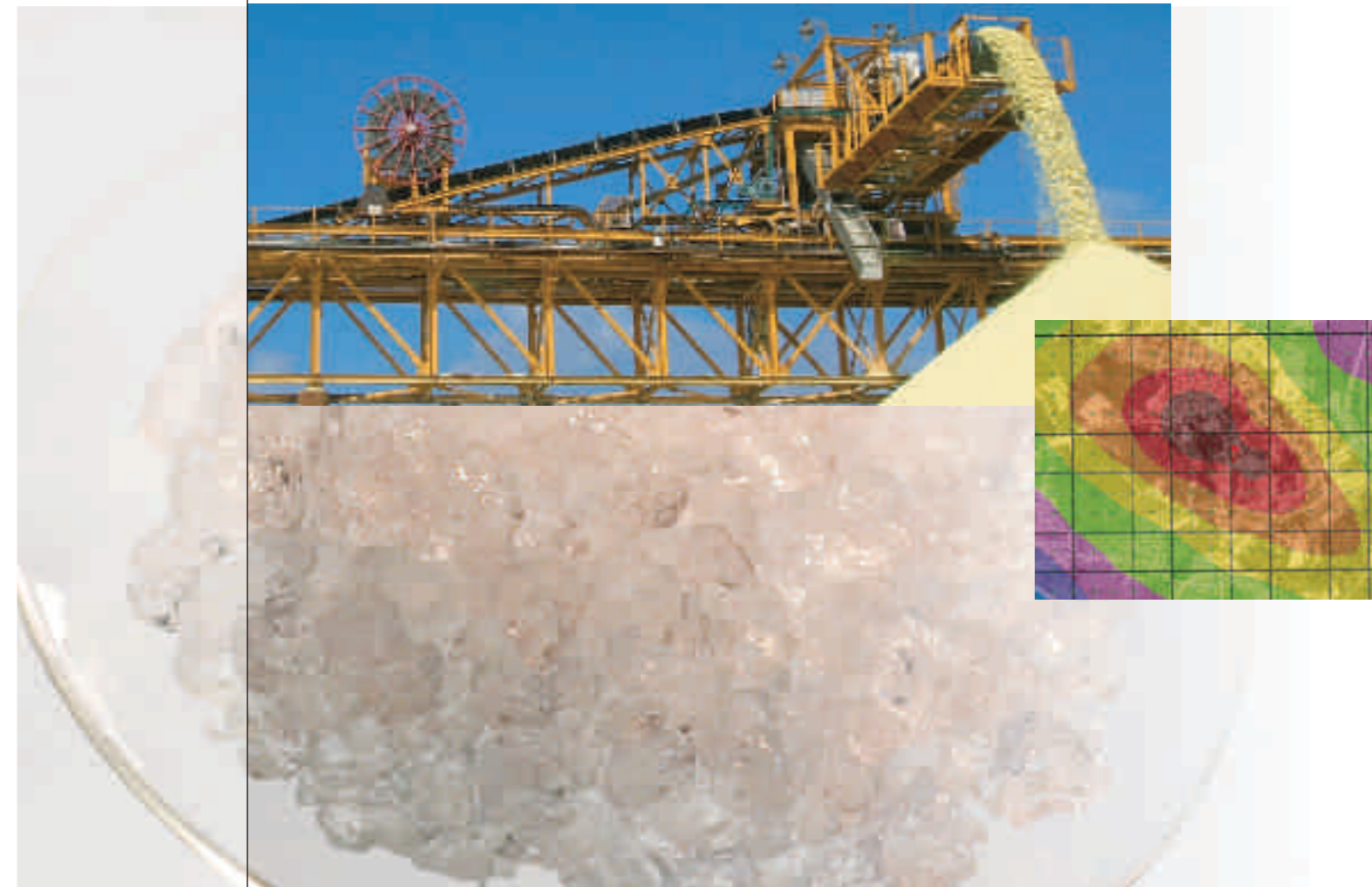
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As a founder member of the European Pollution Control Association, **ACAT** provides an increasing number of technical solutions to help industrial and commercial businesses to control their emissions to land, water and air. This emission control may be required to; meet the IPPC (*Integrated Pollution Prevention & Control*) Directive, comply with local Environmental Regulations, reduce neighbourhood or employee complaints or meet other corporate responsibility objectives.

Whatever the reasons for emissions control, **ACAT** always strives to provide the best solution. This emission control solution may entail the use of:

- ▶ **Ecosorb®**
the World's leading odour neutralisers
- ▶ **Odojet**
various application systems to apply Ecosorb® or dust suppression
- ▶ **Biostar®**
microbiological products to improve wastewater treatment, compost processes and land remediation
- ▶ **OdoWatch® and OdoScan™**
leading-edge technology to provide continuous on-site odour monitoring and dispersion modelling
- ▶ **OdoActive**
a unique system for removing VOC's (Volatile Organic Carbons), TRS (Total Reduced Sulphur) and odours from industrial exhausts



Air

ACAT's technologies can be used to remove or neutralise most airborne pollutants. This capability includes the control of inorganic and organic chemicals, acidic and alkaline compounds, mixtures of gases and particulates. The air to be treated can come via enclosed exhausts or tank vents, directly from the source into the atmosphere and maybe temporary or mobile, such as tank cleaning or sludge transportation. Typical applications include the neutralisation of hydrogen sulphide, ammonia, mercaptans and other odorous gases at wastewater treatment works (WWTW). Applications are commonly found at oil & gas refineries, papermills and rendering plants.

Land

ACAT's Biostar® products can be used to remove many pollutants, especially hydrocarbons, chlorinated solvents and other organic compounds, produced by many industries during their operational life and which require cleansing during brownfield land remediation. **Biostar®** can also be used to improve composting processes and remove the mal-odours often associated with this practice. Typical projects include the removal of heavy oil accumulations from oil refining.

Water

ACAT provides many solutions for industrial effluent and municipal wastewater treatment or water cleansing in lakes and lagoons. This treatment may utilise **Biostar®** microbiological solutions. Typical projects include the optimisation of biological treatment processes at municipal WWTW (sewage works) which are overloaded or have suffered a temporary shock to their system.

ACAT's emission control solutions are highly adaptable and can readily be used in the following industries:

- ▶ *Oil & Gas Refineries*
- ▶ *Metal Foundries*
- ▶ *Paper and Board Production*
- ▶ *Organic and Inorganic Chemical Manufacturing*
- ▶ *Pharmaceuticals*
- ▶ *Animal by-product Processing and Protein Production*
- ▶ *Plastics and Resin Manufacturing*
- ▶ *Municipal Wastewater Treatment (Sewage)*
- ▶ *Asphalt and Cement Production*
- ▶ *Composting & Solid Waste Handling*
- ▶ *Food and Animal Feed Production*
- ▶ *Slaughterhouses and Tanneries*
- ▶ *Land Remediation*
- ▶ *Intensive Agriculture*
- ▶ *Breweries and Distilleries*

