



# **COMBUSTION OF WASTES**

## **INTRODUCTION**

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# CARBON ABATEMENT



## **BRITAIN NEEDS**

- A SUSTAINABLE ENERGY SUPPLY
- TO MINIMISE LANDFILL AND MAXIMISE RECYCLING
- CAN THE TWO BE LINKED?

# COMBUSTION OF WASTES



## **MANY TYPES OF WASTE ARE COMBUSTIBLE**

- Paper,
- Plastics
- Agricultural/Animal Wastes
- Rubber (Tyres)
- Construction Wastes (Timber)
- Waste Oils and Hydrocarbons

# COMBUSTION OF WASTES



## **PROBLEMS OF BURNING WASTES**

- Public Perception of Safety
- Incompatibility of Supply and Demand
- Process Contaminants
- Inconsistency of Composition and Properties

CARBON ABATEMENT



## **NEED FOR A NEW INDUSTRIAL REVOLUTION**

- **Plant designed to burn waste NOT waste fed to existing plant**



## **COMBUSTION IS THE KEY**

- International Flame Research Foundation accessed via British Flame opens up archived reports on investigations of Waste Combustion from 1982 to 2000.
- Industrial scale facilities at Livorno are available for bespoke investigations.
- Your own research staff take part in trials.