



SLAGGING GASIFICATION OF INDUSTRIAL AND COMMERCIAL WASTE

Abstract:

NTU is conducting research on slagging gasification of industrial & commercial waste (ICW) in the Waste-to-Energy Research Facility (WTERF) in Tuas. During these trials the industry partner will provide a continuous supply of ICW to be used as a feedstock for the gasification plant.

Project objective: Assess feasibility of ICW treatment in the slagging gasification process to convert IBA and MM into re-usable slag for construction applications

**Supply of ICW for
WTERF trials**

**Conversion of IBA &
MM into slag**

**Assess feasibility of ICW treatment in
the slagging gasification process**



**Various types of Industrial
& commercial waste (ICW)**



**Incineration
bottom ash (IBA)**



Landfill material (MM)



**ICW used as a heat source to
convert IBA and simulated
MM into slag**



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