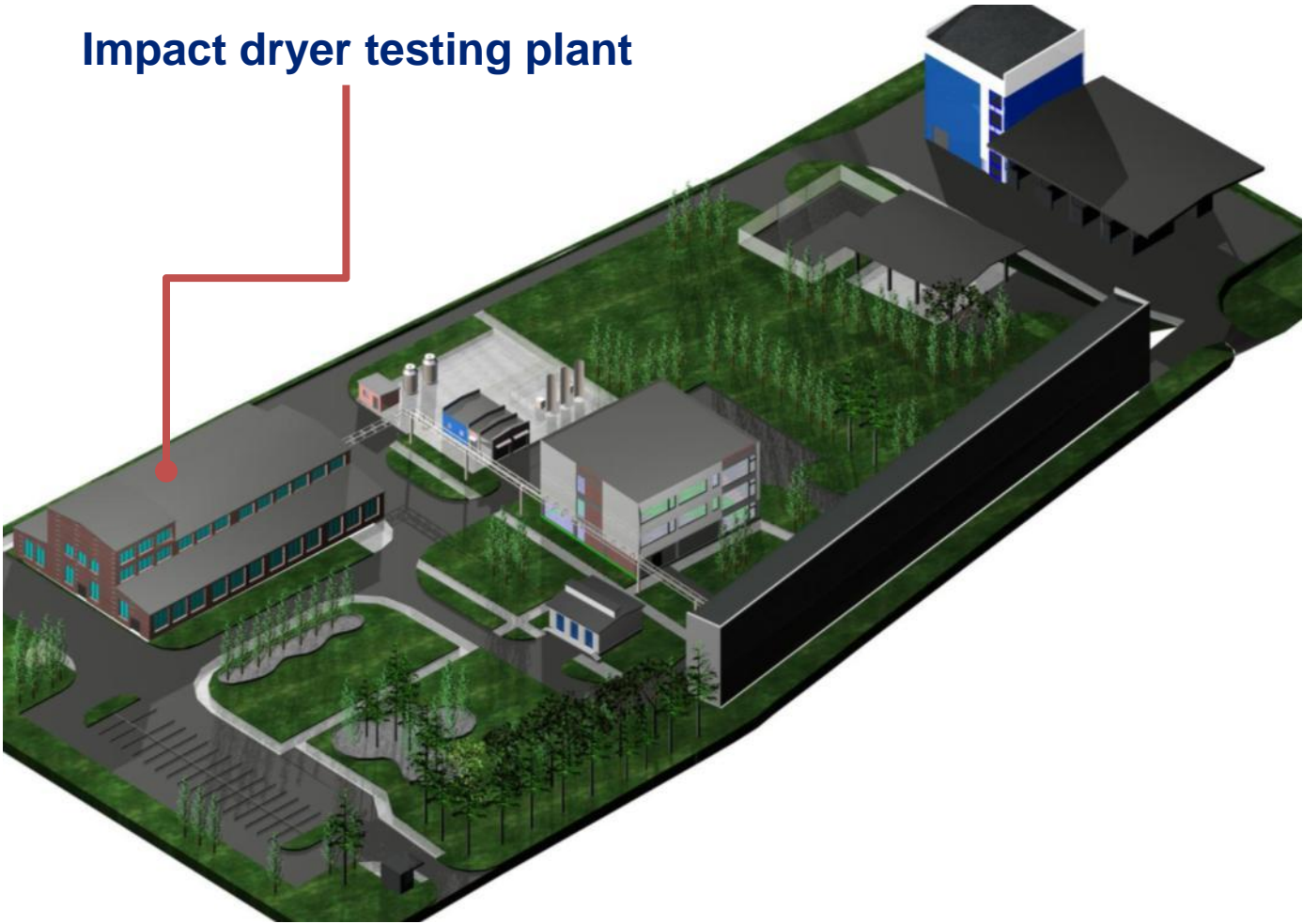


CLEAN COAL TECHNOLOGY CENTRE

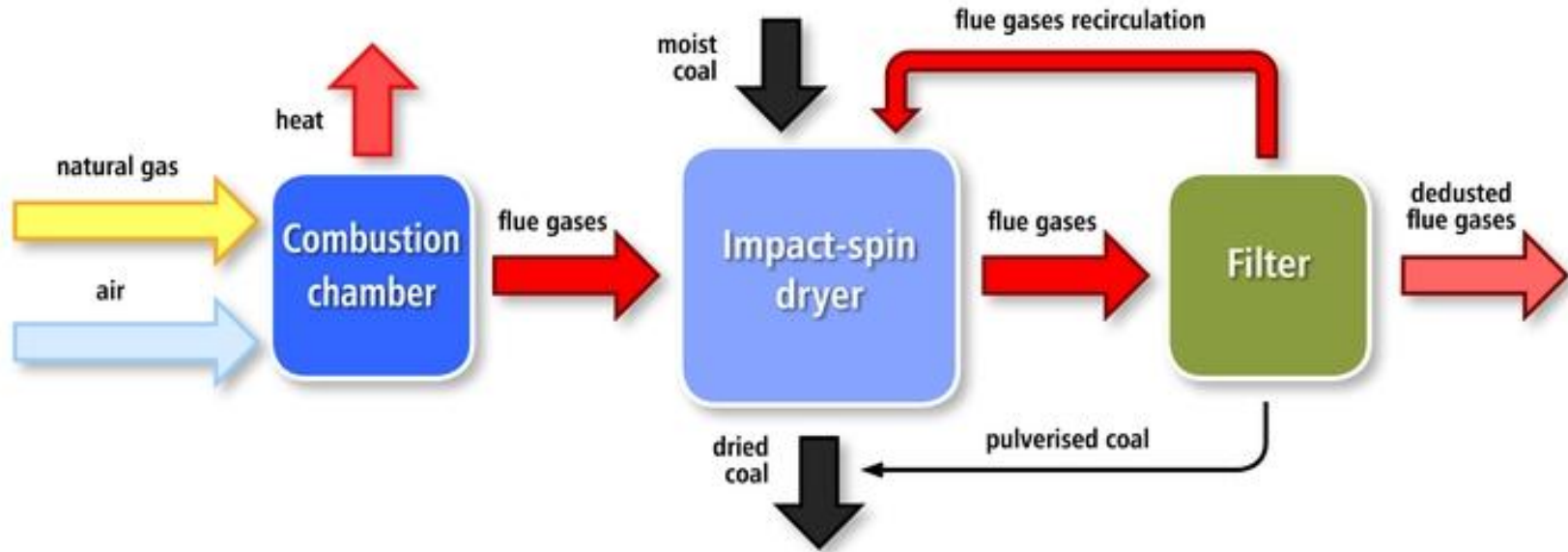
Impact dryer testing plant



Impact dryer testing plant

The plant is designed to investigate the process of drying solid raw materials in an impact-spin dryer.

The plant is equipped with the following nodes: wet coal transportation and dosage, drying and output of dried material, flue gas preparation and purification



Technical characteristics

Rated flowrate of the raw material	100kg/h
Rated flowrate of the flue gases to the dryer	75kg/h
Material grain size	≤3 mm
Working pressure	atmospheric
Rated operating temperature	500°C
Control system	Automatic

Impact dryer testing plant

RESEARCH AREA

Research on solid fuels (coal, biomass, waste) drying in apparatus of various construction.
Research on influence of initial moisture content, grain sizing/classification and type of solid fuel on the kinetics of drying .
Optimization of drying process parameters.

SUBJECT OF COMMERCIALIZATION

Apparatus and technological solutions for specific applications.



POTENTIAL RECIPIENTS OF THE RESEARCH RESULTS

Companies from power, mining, coke and chemical processing industries.



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