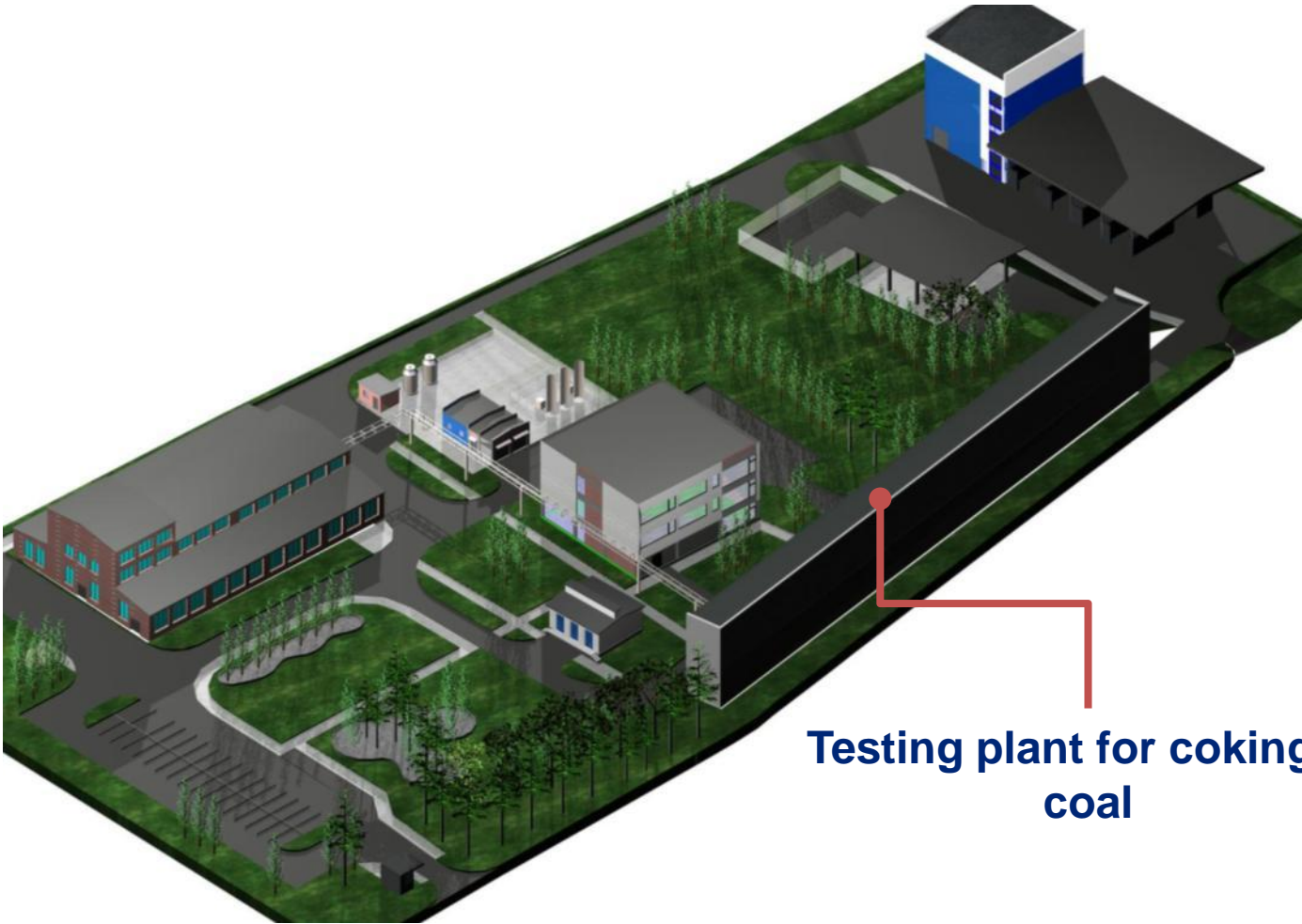


CLEAN COAL TECHNOLOGY CENTRE

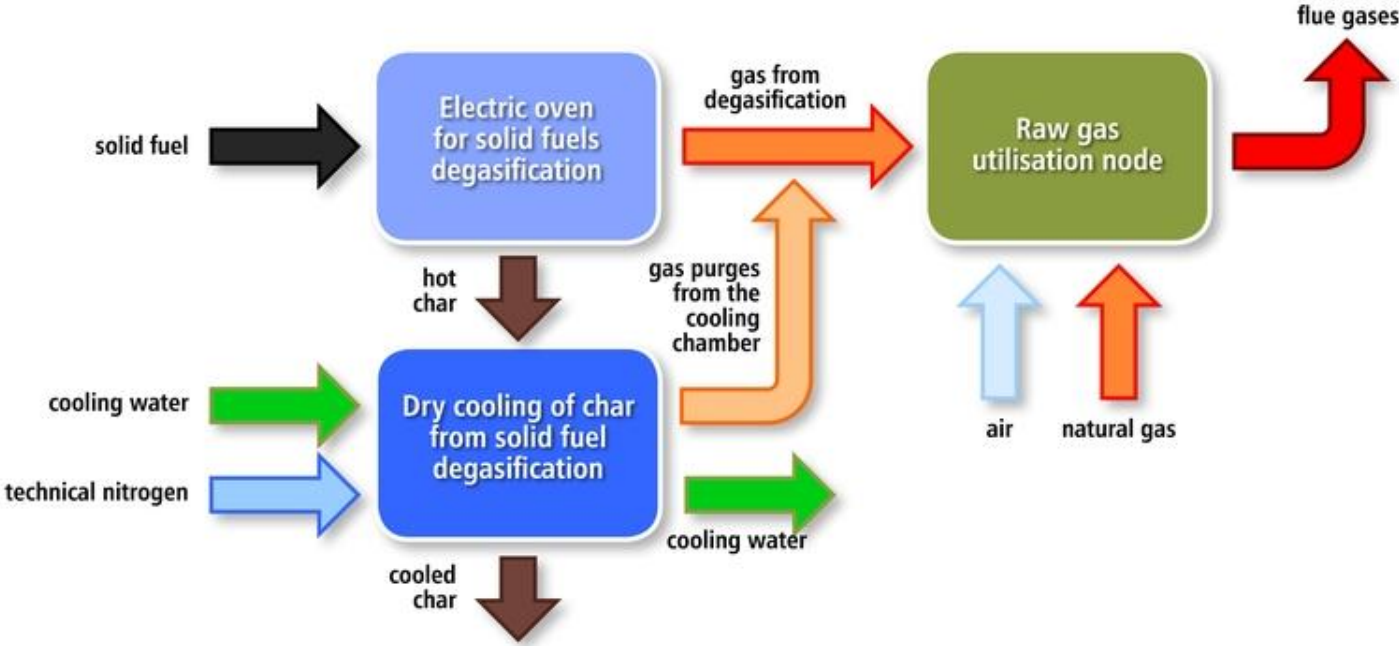


Testing plant for coking of coal

Testing plant for coking of coal

The plant is designated to investigate solid fuels degasification in a stationary bed

The plant is equipped with an electric oven for degasification of solid fuels, a chamber of carbonizates cooling and a node for utilization of raw gas from fuel degasification. The node for utilization of raw gas consists of combustion chamber, bag filter and chimney.



Technical characteristics

Degasification temperature of solid fuels	from 400 to 1050°C in the axis of solid fuel charge
Efficiency of degasification process	from 20 to 40 kg of solid fuel input / cycle
Method of char cooling	in inert gas environment
Operating pressure	atmospheric
Control system	semi-automatic

Testing plant for coking of coal

RESEARCH AREA

Research on degasification of carbon-based fuels (bituminous coal and brown coal/lignite), alternative fuels and biomass.
Research of producing charge mixtures of the solid fuels within the scope of composition, grain sizing and modification additives.

SUBJECT OF COMMERCIALIZATION

Production technologies of carbonizates and charge mixtures for degasification proceses.



POTENTIAL RECIPIENTS OF THE RESEARCH RESULTS

Coke industry.
Producers of alternative fuels and activated carbon.
Waste utilisation plants and biomass management facilities.



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