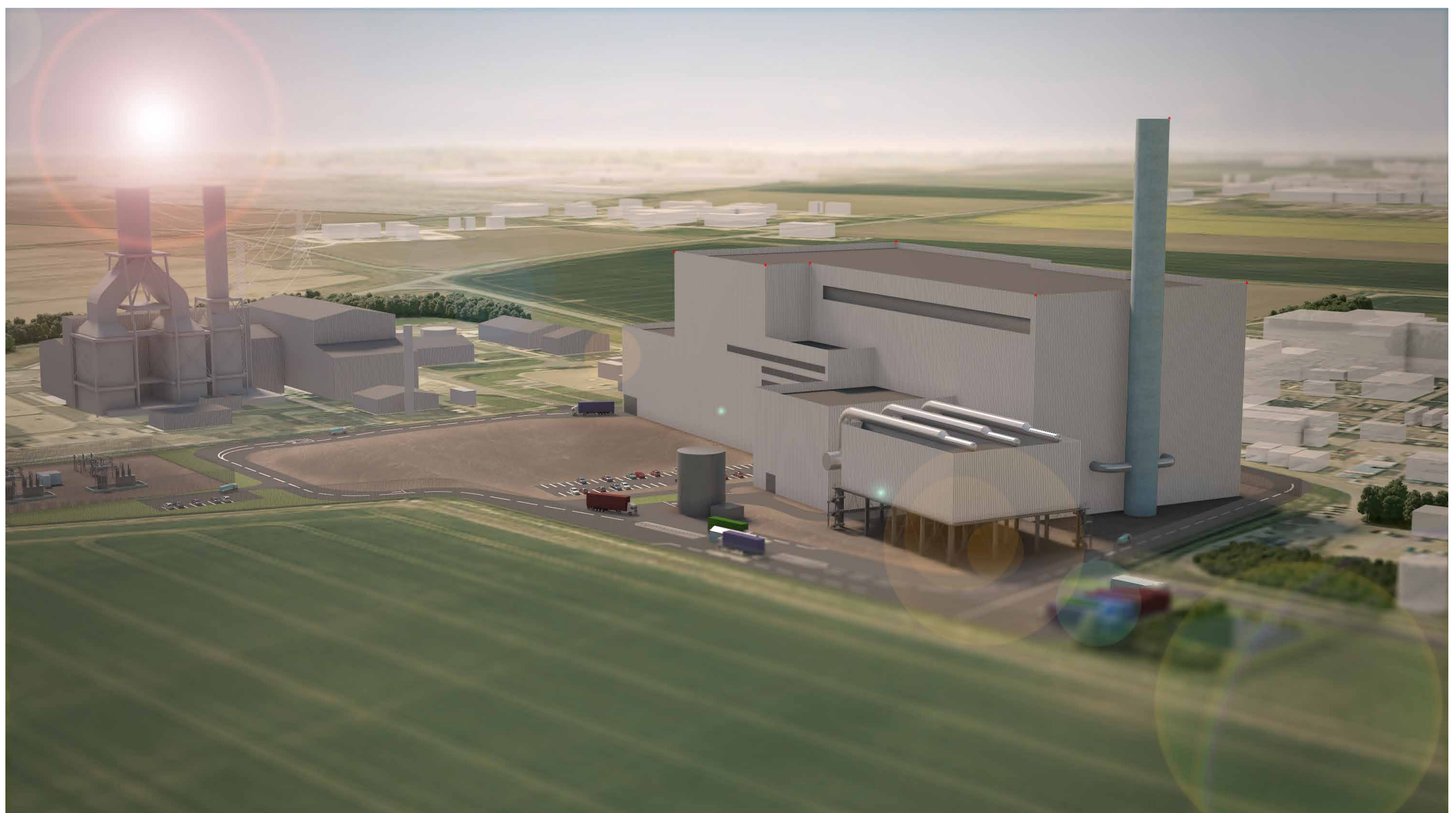


South Humber Bank Energy Centre

Proposed new low carbon energy centre at South Humber Bank Power Station.

What could the Energy Centre look like?

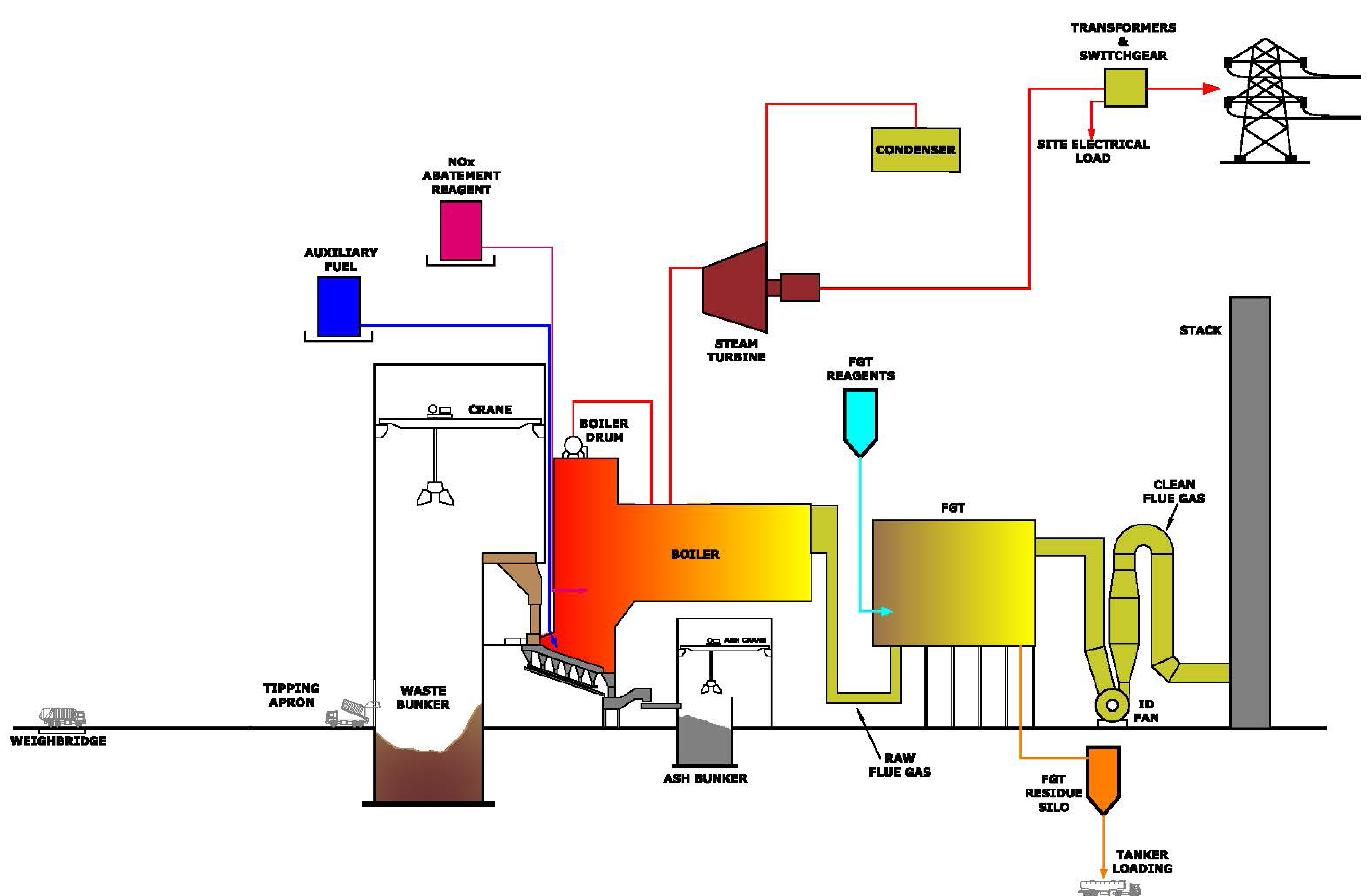


Above is an impression of the appearance of the Energy Centre at this stage in the design process. The existing South Humber Bank Power Station is indicated in grey behind.

What would the Energy Centre do?

The Energy Centre would combust RDF at temperatures above 850°C to recover energy. The heat created is used to produce steam, which can then be used to generate electricity using a steam turbine. Some of the steam could potentially be used to provide heat to local users.

In the process, most of the RDF would be converted into carbon dioxide and water. Any non-combustible material, such as glass, metal or stone, would be collected and recycled where possible.



Controlling Emissions

Small amounts of other gases, such as nitrous oxides, and particulates are created during the process and the emissions are therefore carefully controlled. The flue gas is cleaned by a sophisticated flue gas treatment system before it is released in the atmosphere.

As a result, the air emissions are controlled and continuously monitored to ensure they meet the stringent limits set by the Industrial Emissions Directive and the Environment Agency.