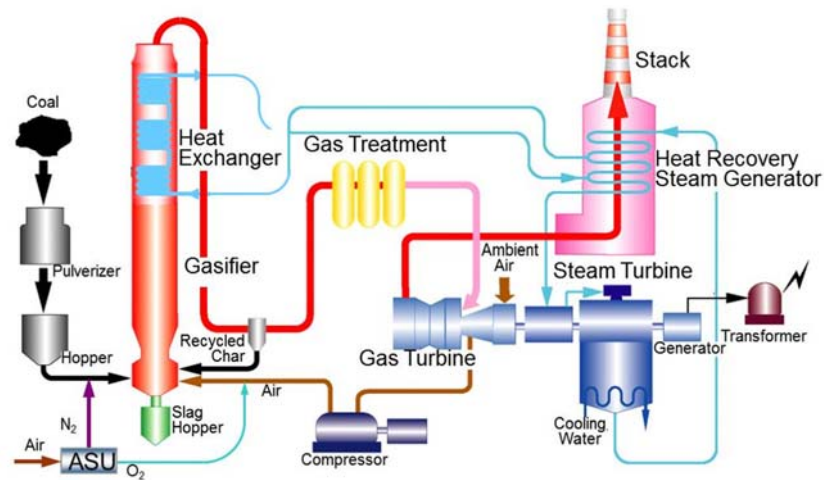


# Outline of Generation Facilities

## 1. Outline of Generation Facilities

item		Overview
Plant Type		Air-blown Integrated Coal Gasification Combined Cycle
Plant Output		540MW (gross)
Plant Efficiency (LHV)		Approx. 48% (net)
Main Components	Gasifier System	Dry feed, Air Blown, Two-Staged Entrained Bed
	Gas Clean-up System	Wet Clean-up System (MDEA)
	Gas Turbine	Open Cycle Single Shaft Type

## 2. Mechanism of Integrated coal Gasification Combined Cycle (IGCC)



## 3. Construction Schedule

### The Nakoso Site

Construction Schedule	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
	▼Start of Construction			▼Start of Operation		
Site Preparation						
Gasifier System						
Gas Clean-up System						
Combined Cycle System						
Sea Water Intake and Discharge System						
Coal Handling System						
Commissioning						

### The Hirono Site

Construction Schedule	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
	▼Start of Construction					▼Start of Operation
Modification of Existing Facilities						
Gasifier System						
Gas Clean-up System						
Combined Cycle System						
Sea Water Intake and Discharge System						
Coal Unloading and Handling System						
Commissioning						