

Yanbu Refinery – Oil and Gas

CAPACITY: 400,000 Barrels per day

A major oil and gas operator in KSA contracted CMC to deliver and certify 4 PEMS for compliance on their refinery stacks. A SmartCEMS® PEMS was started-up to record the operating and emission data in June of 2013 for all of the units. The data acquisition system consisted of a data historian integrated with the DCS. The system utilizes the signal from the gas flow monitor and other boiler parameters and the results of test data to calculate emission rates.



The PEMS was started-up to record the operating and emission data prior to certification. The PEMS was certified to monitor SO₂, NO_x, O₂, CO, and CO₂ from the boiler and heater exhaust stacks. The burners utilize fuel gas generated at the site for combustion.

*Not actual site. Source: Hydro carbon technology

DAS System: PI - DCS

History of Project Development:

01/10/2013

Project Start Date.

06/01/2013

Setup and installed hardware, collected emission data.

12/20/2013

Site acceptance testing.

PRODUCTS:

