

Al Nouran Sugar, Egypt, Steam Boiler

99 MW



Al Nouran Sugar Steam Boiler, Egypt | 99 MW

20 t/hr @ 45 bar / 450°C

Project Description

Al Nouran Sugar is the sole vertically integrated sugar company in Egypt and one of the leading regional sugar manufacturers. Al Nouran Sugar is a greenfield project that will build Egypt's first state-of-the-art sugar production facility in the governorate of Sharkiya, located in Egypt's third most populous governorate, in the north of the country.

Its main activities will be the production of sugar from sugar beets and refining raw sugar into white sugar. Byproducts (molasses and fodder) will also be sold in international markets. Within this framework, John Cockerill Energy was granted the contract for the design and supply of two Denapak industrial boilers in April 2015.

The contract

Both John Cockerill industrial steam boilers, type Denapak, have a capacity of each 120 tons per hour with a pressure of 44 barg and a steam temperature of 450°C.

Besides the design and supply of these two boilers, John Cockerill will also provide all of the auxiliary equipment, e.g. the burners, combustion air fans, deaerator, pumps, etc. for proper operation. John Cockerill will also oversee the assembly operations, installation and commissioning of the equipment.

Fuels

- Natural gas
- Light fuel oil
- Operation of the boilers on both fuels in combination as well as separate fuel fed

Boilers

- 2 water tube boilers of DENAPAK type
- Double pressure
45 bar / 4 bar

Performances

STEAM	°C	barA	t/h
HP	450	45	2 x 120
LP	145	4	30

CMI becomes John Cockerill