

Chemical Processing

New Boiler Installation Increases Chemical Process Plant Production

Titan Chemicals Corp. (formerly Titan PetChem) is one of the largest polyolefin producers in South-East Asia. They require large amounts of superheated steam in the processing of materials used for finished household and automotive products. The supply of steam is also used for the company's adjoining cogeneration plant.

One of the company's main production plants, located in Johur Bahru and built in 1989, was in need of an immediate boiler solution to replace three existing boilers that were at the end of their useful life. The company also wanted to expand their production capabilities and required additional steam capacity.

Nationwide Boiler supplied Titan Chemicals with two new 200,000 lb/hr Babcock & Wilcox Model FM, 750 psig/750°F superheat package boilers. The units were in stock and were available for immediate shipment to Malaysia. Low NOx burners and EconoStak economizers were also included.



The boilers were shipped by rail from Babcock & Wilcox's storage facility, located in Mississippi, to an ocean vessel cargo dock located in Texas for delivery to the final destination in Malaysia.

Once delivered to Titan Chemicals' facility, the boilers were installed by the customer and Nationwide Boiler provided start-up and commissioning service. The two units easily met Titan Chemicals' excess process and cogeneration steam demands, originally achieved by three units. Overall, the customer received the new boilers on time and was able to expand production capabilities as planned.



Customer Profile

- Titan Chemical Corporation
- Johur Bahur, Malaysia
- One of the largest polyolefin producers in South-East Asia

Supplied Equipment

- Two (2) new 200,000 lb/hr Babcock & Wilcox model FM superheat boilers
- Two (2) ground-mounted EconoStak economizers
- Two (2) low NOx burners

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