



Lansing Board of Water & Light

Location: Lansing, Michigan

Project Overview



Industry

Power Generation

Application

Combined Cycle
Power Plant

Technology Applied

Multi-Valve Multi-
Stage (MVMS) Steam
Turbine Generator

Capacity

14.5 MW

“When the plant began commercial operation this July – both on time and on budget – it was noteworthy for several reasons. It became the first new utility power plant built in Michigan in 25 years and the first new Board of Water and Light (BWL) power plant in 40 years. In addition to providing 20% of BWL’s electric generation, the plant produces up to 136,000 kg of steam for BWL’s 225 steam customers in downtown Lansing.”

~ Quote from Cogeneration and On-site Power Production

Background:

The city of Lansing grew immensely over the past century, and in order to keep up with electricity demand as well as EPA rules, the city decided to replace their 50-year-old coal-fired plant.

Challenge:

To construct a new, clean, and efficient power plant that meets their electricity demands as well as reduces greenhouse gas emissions

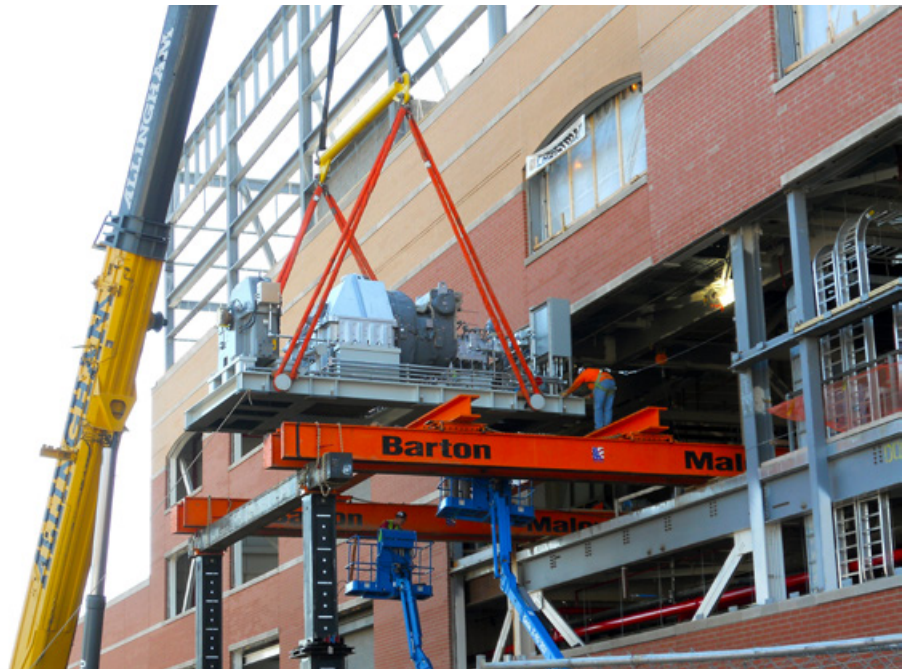
Result:

Elliott provided a 14.5 MW steam turbine generator which added additional capacity to the combined cycle power plant.

Benefits:

Reliable, clean power

- Increased power output
- Increased power plant efficiency
- Reduced greenhouse gas emissions



Elliott Group

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