

Hofstra Science & Innovation Center

Case Study



Summary

Customer	Hofstra Science and Innovation Center
Location	Hempstead, NY
Industry	Engineering
Laars Product	MagnaTherm FT Boiler
Sales Representative	Rathe Associates

Challenge

The Hofstra Science and Innovation Center is a remarkable example of successful collaboration between engineering firms and their clients. The project began when Cameron Engineering, a reputable engineering firm, contacted Rathe Associates with a unique challenge. The Science and Innovation Center required a state-of-the-art boiler room system that could meet its demanding needs.

Cameron Engineering needed a pair of packaged firetube boilers that could operate and stage themselves based on remote demand from a Building Management System (BMS) control. Additionally, the boilers had to fit into a tight mechanical room with narrow clearances, have low pressure drops to allow for a variable primary pumping system, and maintain high turndown ratios and maximum efficiencies under varying conditions.

Solution

To meet these challenges, Rathe Associates recommended the MagnaTherm FT boiler, featuring the O2 TruTrac[®] control system. The MagnaTherm FT is a high-efficiency boiler designed to optimize performance and meet the most demanding heating requirements. The O2 TruTrac control system is a unique feature that monitors and adjusts the combustion air-to-fuel ratio, allowing for maximum efficiency and low emissions under varying conditions.

Working closely with Cameron Engineering, Rathe Associates ensured that the system fit seamlessly into the small mechanical room, with minimal disruption to the Science and Innovation Center's operations. The result was a cutting-edge boiler room system that met the Center's exacting requirements, providing optimal performance and efficiency.

The success of this project is a testament to the value of partnerships, cutting-edge technologies, and the expertise of engineering firms like Cameron Engineering and Rathe Associates in meeting complex challenges.

