Snack Food Oven Installation

Problem: A customer needed to replace a portion of an existing snack food oven and upstream processing equipment to increase reliability to keep up with increased production demands. Due to quality concerns, the oven also required the ability to switch from direct-fired to indirect heating. The customer's primary goal: to increase capacity of the existing oven line.

Solution: Project Technologies & Services (PTS) provided the customer with support by managing the project and construction for the removal of the existing equipment and the installation of new burners, heat exchangers and controls.

PTS provided the customer with continuous engineering consultation and customer service support throughout the project. PTS acted as a liaison between the customer and the equipment provider, reviewing and signing off on engineering drawings provided by the equipment manufacturers and ensuring all the service needs were met. PTS worked with vendors and subcontractors to create a working schedule for the project that would satisfy the customer's budget, production and safety requirements.

While one dimension of the new oven was wider than the existing oven, our team took onsite dimensions to confirm the new oven could be moved into place while leaving enough room for forklift traffic.

Snack Food Oven Installation

PTS coordinated the shipment of all new equipment including pieces coming from international sources. To ensure it's on time arrival for the planned installation, equipment needed to be ordered with enough lead time to clear customs and arrive onsite. Some of the new equipment arrived earlier than planned, so PTS organized the storage at one of the subcontractor's facilities.

An additional piece of equipment presented an unforeseen problem-a burner panel was beyond repair. PTS coordinated efforts to reverse engineer the design of the panel and managed the fabrication of a new panel.

During the scheduled shutdown, PTS coordinated three separate teams of subcontractors; an electrical installation team and two mechanical installation teams. The electrical team powered all of the equipment and integrated the new equipment into the existing controls logic. The mechanical installation teams installed the new sections of the oven and the other team installed the process equipment prior to the oven. The oven needed to align properly with the processing equipment, so both teams needed to work in unison. New burner exhaust vents were installed to direct the route and safely vent the combustion gas.