

Fulton Thermal Heaters & TCU's: A Hot Combination

Fulton Thermal Corporation
972 Centerville Road
Pulaski, New York 13142
Phone: 315-298-5121
Fax: 315-298-6390
www.fulton.com

This system was designed to provide hot oil (thermal fluid) and hot water to several dryers operating at different temperatures for a wastewater application. Two zones of one dryer operate at different batch temperatures through the use of modulating control valves. A third zone requires hot water at reduced temperatures. This is accomplished

through the use of a temperature control unit (TCU) using the hot thermal oil as the heating utility to heat the water. The thermal fluid system included a heater, thermal oil circulating pump and skid mounted expansion tank. The TCU includes a hot water pump, heat exchanger, diaphragm tank, thermal oil control valve and all required instrumentation to allow remote control and monitoring of the entire system through the customer's SCADA system. To simplify the installation of the hot oil heater system and the TCU, both were skid mounted on the same compact skid. The skid also included a prepped catch tank for the thermal fluid heater and expansion tank vent/drain connections.

