



2019

Lugano, Switzerland

### **Pharmaceuticals**

This Swiss pharmaceutical manufacturing company approached us after installing some of our exchangers.

The need is to control and regulate the thermal level in production reactors. Work is carried out in an explosive environment, so the control units must be ATEX certified. Temperature control then takes place in the control room via interface with field instrumentation.

The temperature is controlled via two levels, hot with a steam-powered heat exchanger, and cold with a glycol-powered plate heat exchanger.

A mixture of water and inhibited monoethylene glycol was used as the carrier fluid, which was kept under pressure with a pressurised circuit, given the variable working temperature range of -15 to +130°C.

Required heat output for the two phases 75 KW.