



2019

Mendrisio, Switzerland

Pharmaceuticals

A pharmaceutical company producing anaesthetics and pain-killers. In 2018, they implemented a major investment with the installation of new production lines. Tempco supplied single-fluid temperature control units for the dual-level reactors, with electric heating and water-assisted cooling of the chillers in the plant.

The special feature of this realisation lies in the precision of the temperature control, with a very tight tolerance, and the precise control of the temperature rise and fall ramps within the reactors.

A master/slave technology was implemented with the customer, with control of the heating elements by means of thyristors and then modulating and the cooling section with a modulating valve.

Basically a dual PID temperature control, all remotely controlled by the customer's PLC. Definitely a feather in the cap for the design and the solutions adopted.