

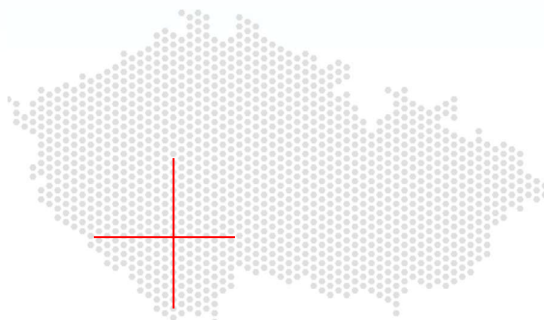
Brick kiln preheating control – zones 0, 1, 2, 3

Investor

Wienerberger s.r.o.

www.wienerberger.cz

Týn nad Vltavou, Czech republic



Date of implementation: 2023

Volume of implementation: 3 850 000 Kč

Wienerberger s.r.o. is a market leader in the production of building fittings in the Czech Republic and Europe and produces a variety of fittings in twelve plants in the Czech Republic. We have been in close cooperation with Wienerberger for a long time, for most plants we solve automation, reconditioning of electrical parts of technological units and also the elimination of gaseous emissions from production. One of the plants is Týn nad Vltavou, where, in cooperation with the delivery of one zone in 2021, we solved the control of preheating in other zones of the brick kiln.

Scope of delivery:

The technical solution of the preheating zones of the brick kiln included the delivery of the electrical part for zones 0, 2 and 3, but also the retrofitting and relocation of the switchboard for preheating zone No. 1. The measurement and control part for all preheating zones was also delivered. The gas burners of the individual preheating zones are equipped with their own burner controllers and controlled via Ethernet communication using the PROFINET protocol.

As part of the installation, the switchboard for zone 1 was relocated to a newly built switchboard, next to the new brick kiln control room. The brick kiln control room is then equipped with a program for controlling all preheating zones of the kiln into the existing central processing unit of the SIMATIC S7-1500 series. Data exchange with the existing kiln control system is handled by discrete signals.

Gallery:

