



Prevent condensation to keep sugar in free-flowing condition.

› Sugar silos



Your trace heating solution for sugar silos.



The quality of the stored product may be substantially affected by condensation. To prevent this and to keep the sugar in free-flowing condition, it is essential to heat the silo in order to maintain a constant temperature. An increasing number of refineries are turning to high-tech solutions with electrical heat tracing to achieve this.

A project that demonstrate eltherm's engineering and production expertise for complex projects is the electrical heated jacket for a Pfeifer & Langen silo in Jülich, Germany. The silo has a capacity of 60 000 tons, and an overall height of nearly 80 meters.

The eltherm products used for this project:

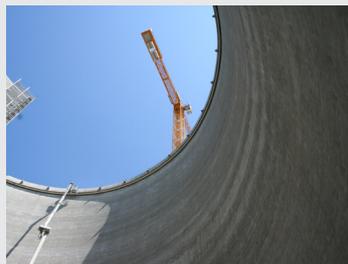
- › Special trace heaters
- › Power control panels
- › Cold cable
- › On-site commissioning
- › Connection technology



Sugar silo in Jülich, Germany



Height of 80 meters



Capacity of 60 000 tons



Full service from eltherm



Condensation doesn't stand a chance!

Nordzucker sugar silo in Nykøbing (Denmark)

Nordzucker in Nykøbing (Denmark) committed eltherm for the engineering, design, installation and commissioning of the complete electrical trace heating solution for a white sugar silo.

Heating requirements were calculated and the electrical heating system designed accordingly. All in all, the silo was completed as a turnkey project ready for operation, in the record time of just three weeks!

Project details:

- › Specially developed trace heaters
- › Diameter approx. 45 m
- › Overall height: 60 m
- › Minimum outside temperature: -15° C
- › Project-specific controls
- › On-site assembly by eltherm team

eltherm heats sugar silos in the Near East

eltherm engineers provided heating systems for two further sugar silos in the Middle East. The silos are almost 40 meters tall, with a diameter of 40 meters and a capacity of 40 000 tons.

An elaborate heating cable construction several kilometers long on the outside walls and specially adapted controls ensure the maintenance of a constant temperature, so that there is no condensation to affect the quality of the stored sugar.

Project details:

- › Special trace heater
- › Connection technology
- › Controls and adjustment using Modutronic
- › The entire system is supervised by a Profibus interface from a central control room
- › On-site assembly

