

Client: AVG Köln
Project: Heat supply for a fermentation plant
Services: Preliminary planning, draft planning, tendering, contract awarding



General

A digester plant to be built on a plot of land neighbouring the AVG. This plant requires heat for fermentation. Heat is further required for amine scrubbing. The AVG is to provide heating water for this.

The heating water is to be produced by four heating condensers that are to be mounted in the energy building in the area of the SCR plant.

Steam from the SCR plant is used as heating steam for the condensers at a pressure of 16-bara.

The condensers and the steam supply have been rated to ensure a reliable supply to the digester in 2-line operation.

The heating water is transported to the digester through a district-heating pipe by means of circulating pumps. A nitrogen pressure regulator is integrated on the return-flow side.

Implementation

The construction and commissioning of the complete district-heating supply system is due to be completed in the summer of 2019.

Planning work

The scope of services provided by T&N covered the preliminary and draft planning as well as implementation planning.

Moreover, T&N was responsible for coordination between the client and the pipework planners, also providing assistance with construction supervision.

Tendering and contract awarding took place from mid-2018 onwards.