INP Reference

# Technical consulting and engineering services for geothermal collector system

LOCATION: Stuttgart, Deutschland

SYSTEM/TECHNOLOGY: Erdwärmekollektor

SERVICES: Project management

INDUSTRY BRANCH/TYPE OF PLANT: Green Energy

CLIENT: Stadtwerke Stuttgart GmbH

ACTIVITY PERIOD: 11/2023 bis 06/2024

POINTS OF CONTACT



**Michael Ohmer**
Leiter Energie- und WärmeVersorgung
INP Deutschland GmbH
Werkstraße 5
67354 Römerberg
Deutschland
Tel. +49 6232 6869-0
michael.ohmer@inp-e.com
www.inp-e.com

## Tasks

For heat supply of district Hausen and a new tram-station in Stuttgart, Stadtwerke Stuttgart GmbH (SWS) is planning to integrate a large-scale geothermal collector system. To prepare the technical engineering detailed design, SWS ordered INP Deutschland GmbH to provide engineering consulting services. The main target was to prepare a structured technical tender for planning phases LPH 3 to 8 in accordance with HOAI [Fee Structure for Architects and Engineers] including market research and procedural support by INP. For that an analysis of the existing technical concepts, the development of technical optimizations and also evaluation of suitable technical systems was done.

## Project description

INP prepared the technical specifications, defined the tender procedure and contractor requirements. In addition, the interfaces between the engineering disciplines and parties involved in parallel projects were analyzed and taken into account in the service specifications. INP supported SWS during bidder negotiations and accompanied the kickoff meeting for the awarded project.

## INP Services

INP provided the following services:

- Review and evaluation of the existing planning status and project structure
- Development of the technical concepts
- Analysis of interfaces between geothermal collectors, the heating network and technical plants
- Structuring of the technical tender documents, including formulation of service descriptions
- Preparation of the bill of quantities for engineering design services (LPH 3-8)

# INP Reference

- Development of tender schedule including deadline management
- Support for bidder questions, bid evaluation, and technical negotiations
- Technical discussions with manufacturers
- Support and co-moderation of the project kickoff meeting and further project supports