

**We are creating the climate-neutral energy systems of the future!**

## Job offer

# Master Thesis - Integrated Optimization of Planning and Operation of District Heating Grids

### Join our team!

#### What you will do

- Literature review on physical modeling, planning and operation of DHG
- Familiarize with existing algorithms for conventional planning and operation of DHG
- Derive possible interfaces between those algorithms
- Develop a method for integrated optimization of planning and operation of DHG
- Analyze benefits of integrated optimization compared to conventional planning of DHG in simulation studies

#### What you bring to the table

- Student in Engineering, Mathematics, Energy technology or other STEM programs
- Very good knowledge in modeling and simulation of dynamical systems and mathematical optimization
- Good programming skills in higher programming language e.g. Julia or Python required

**Interested? Apply online now. We look forward to getting to know you!**

**Questions about the application process will be answered by:**

Mr. Philipp Steinborn:

Tel: +49 355 35540 172

