

# Gas Network Optimization

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## Abstract

Open Grid Europe is Germany's leading gas network operator. With 75 years' experience in the gas business, we operate one of the most efficient gas transmission systems in Europe. Today this pipeline network covers some 12,000 km. In recent years, the concept of freely allocable capacity in a regulatory environment made network and capacity planning a more and more complex task. Therefore in 2008 our network-planning department initiated a research cooperation to make use of contemporary mathematics in our applications. Currently, we cooperate with around 40 researchers from 5 universities and 2 research institutes. In our talk, we report on our experiences with the cooperation and on its benefits for the company.

## References

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