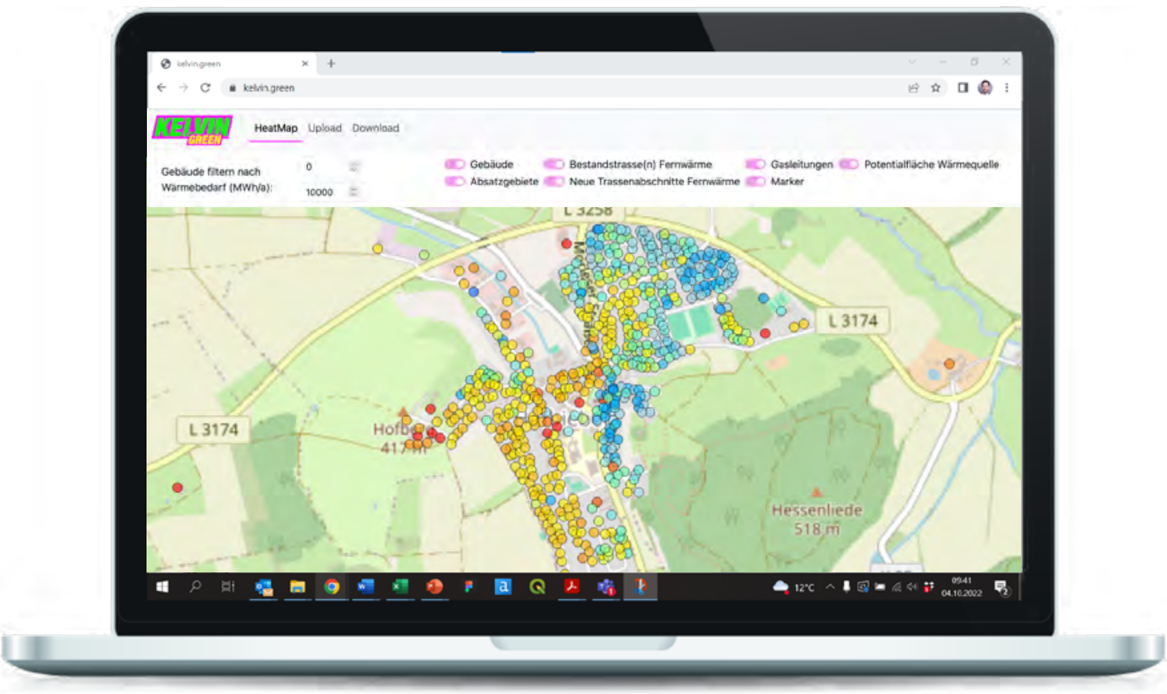
Design and visualise heating network systems quickly and easily

HeatMap



Key arguments

- A few steps to a **heating strategy overview**
- Potential of possible **sales areas** at a glance
- **Further use of data** in the transformation planner and other Kelvin Green tools

The heat pie is being redistributed and you want more than just the crumbs?!

Customers and politicians are exerting pressure: they need green alternatives for local heating! Your natural gas business will come to an end, municipal heating planning is creating facts, and a transformation (road)map must be in place for your district heating networks by 2026. But which sustainable heating products can you offer to whom and when? Where should economical heating networks be expanded and built, and where not? Which anchor customers need to be secured quickly, and how can you incorporate your economic interests into heating planning?

The situation is complex, the tasks challenging – so where to start? Right here!

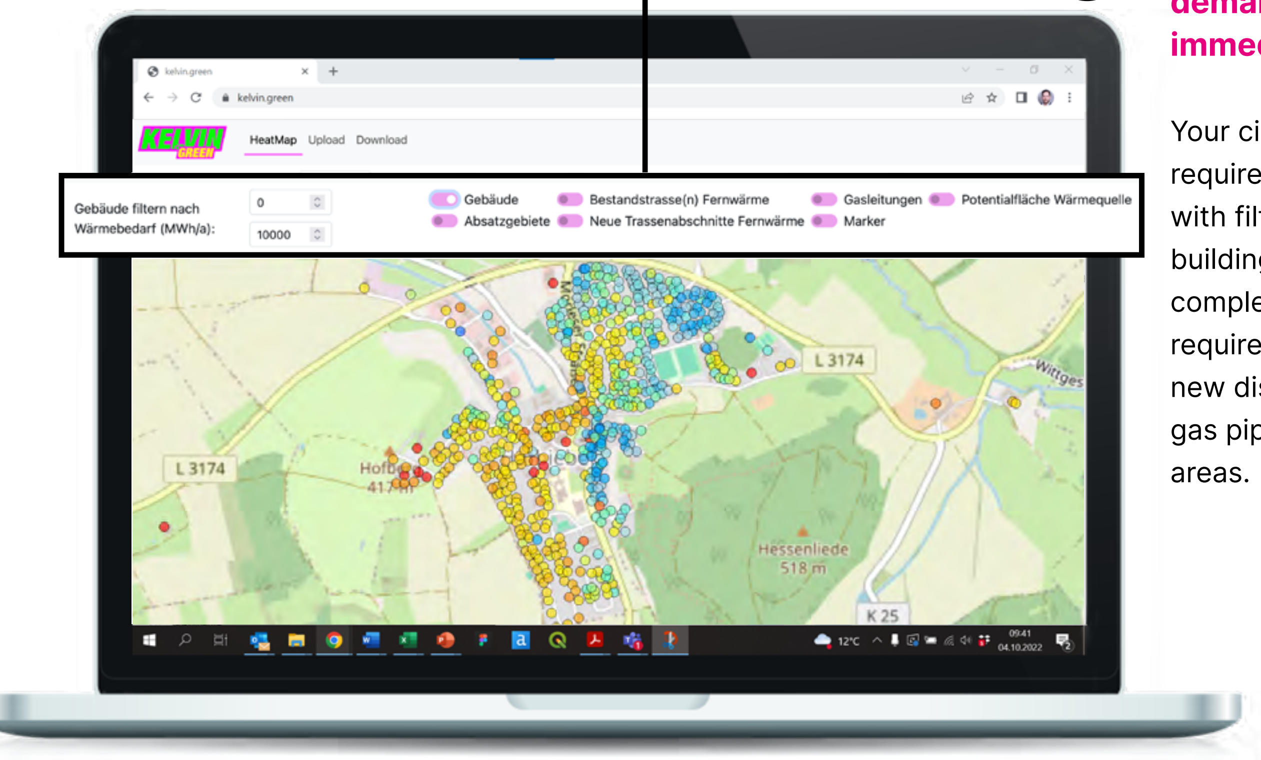
Kelvin Green has developed a tool, that allows you to quickly and easily regain an overview and control. **May we introduce it to you?**

► ***The Kelvin Green HeatMap.*** From city map to heat map.

► **Design and visualise heating network systems quickly and easily**

HeatMap

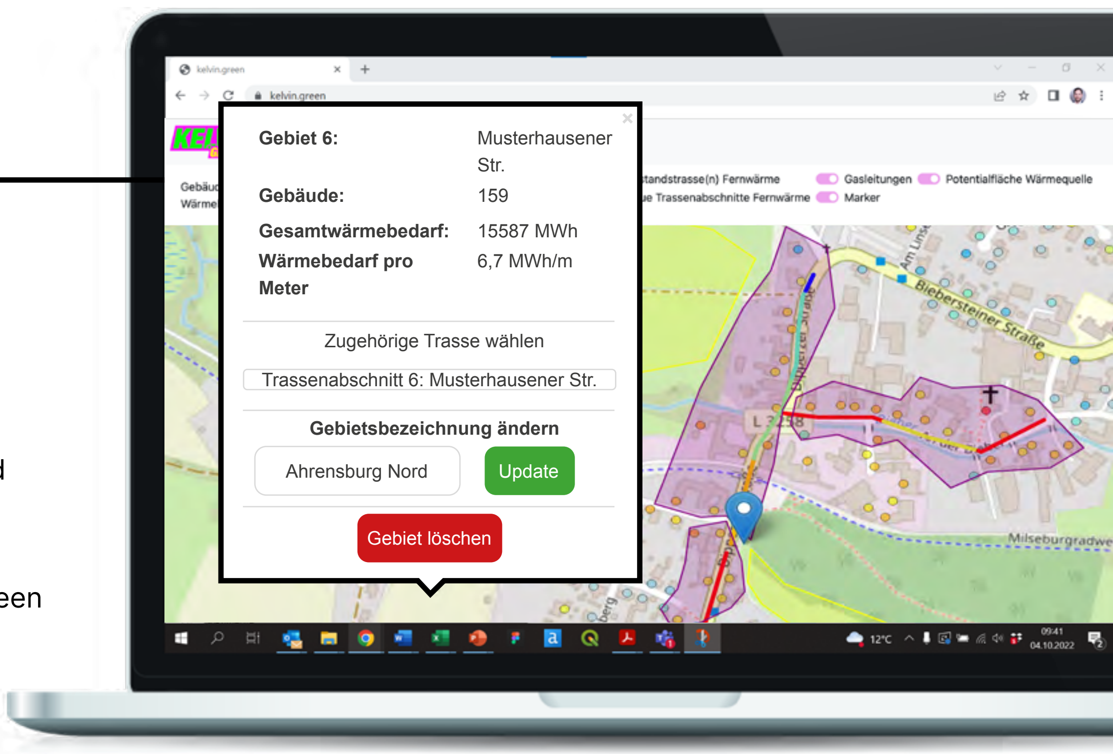
This innovative tool is tailored to heat suppliers like you and provides a straightforward introduction to the subject matter. It helps you to easily and efficiently design a **new heating strategy and develop sustainable heating network systems for your city.**



1

Understand heat demand structure immediately

Your city and its heating requirements at a glance with filters for individual buildings or building complexes and their heating requirements, existing and new district heating routes, gas pipelines and potential areas.



2

Easily identify potential

With just a few clicks, identify and visualise lucrative potential and sales areas as well as exciting anchor customers for new green heating products.

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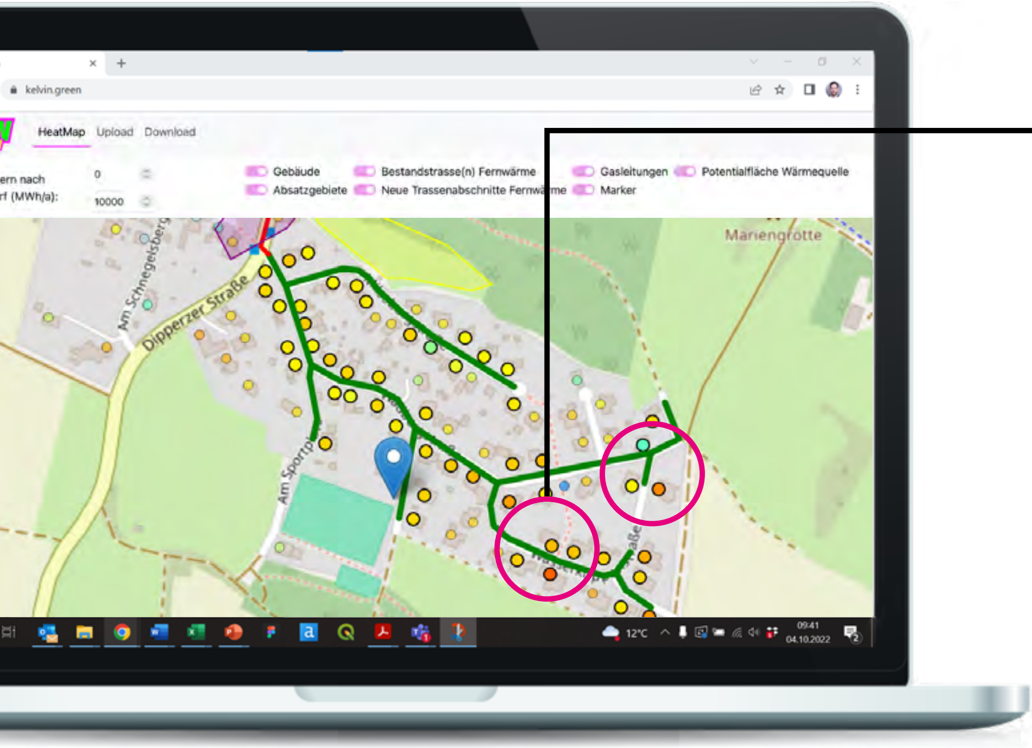


3

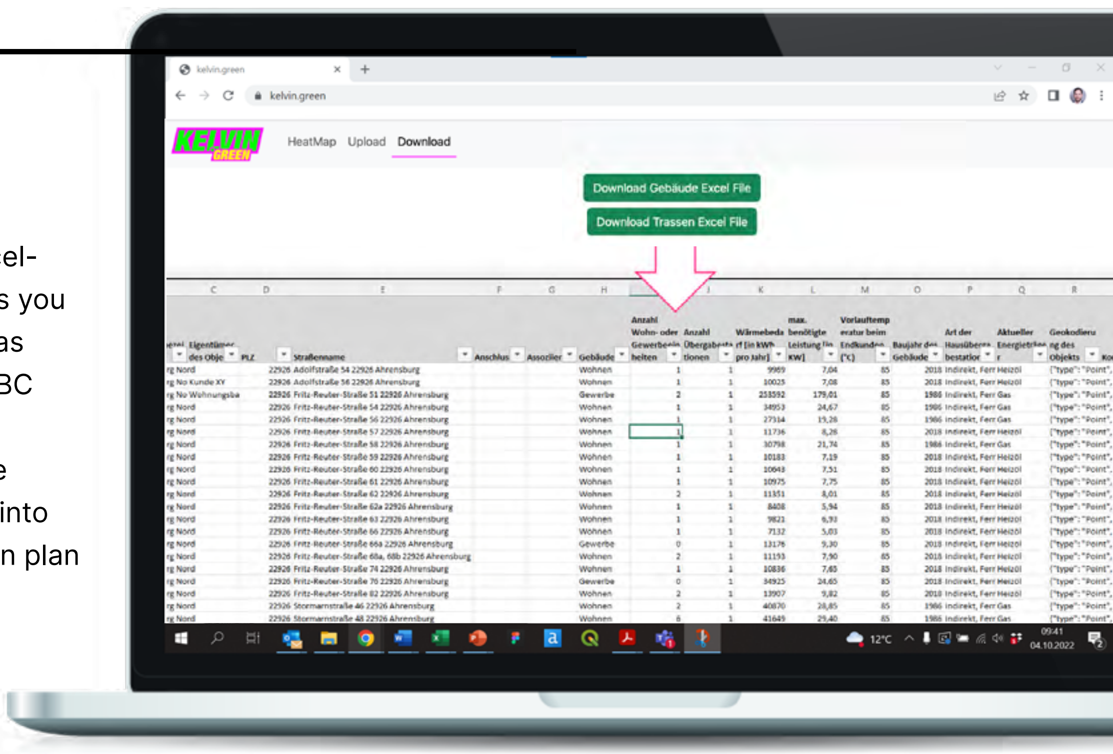
Designing heating networks

Identify lucrative options for redensification or expansion of your existing networks and possible new heating networks. In addition, assign the heat demand to the route options on a building-specific basis.

4

Evaluate extensive data set

The comprehensive Excel-based data set supports you in the next steps, such as profitability analyses, ABC acquisition lists, etc.
And best of all, it can be integrated immediately into your BEW transformation plan (or feasibility study).



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KELVIN GREEN

HeatMap

Your benefits at a glance

- A few steps to a **heating strategy overview**
- Potential of possible **sales areas** at a glance
- **Further use of data** in the transformation planner and other Kelvin Green tools
- **Easy handling** without long training periods
- All employees can **work together on the HeatMap**
- Lean design and **structured visualisation**

Sounds good?

Then arrange a **free, no-obligation introductory appointment** today at **www.kelvin.green** or send an email to **martin.bornholdt@kelvin.green.** We look forward to meeting you.

'The Kelvin Green HeatMap helped us extremely quickly and easily to gain a comprehensive overview of how to structure our heat transition strategy and to take our structured sales approach to a new level.' **Dr. Frederik Treuel**, Product and Project Manager, Stadtwerke Ahrensburg GmbH

The Kelvin Green HeatMap is already being used successfully by these customers, among others:

Stadtwerke Ahrensburg

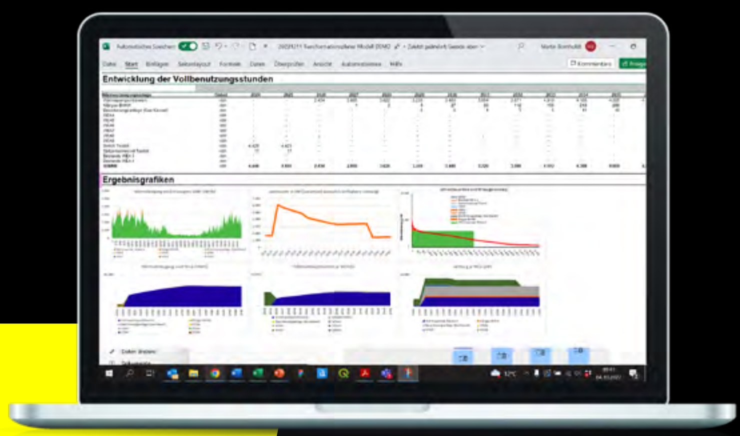
STADTWERKE OBERURSEL

Stadtwerke Quickborn

If you would like to draw up the BEW transformation plan or feasibility study yourself, take a look at the

Kelvin Green HeatPlan.

It will help you complete the plan in no time and secure funding.



www.kelvin.green/transformation

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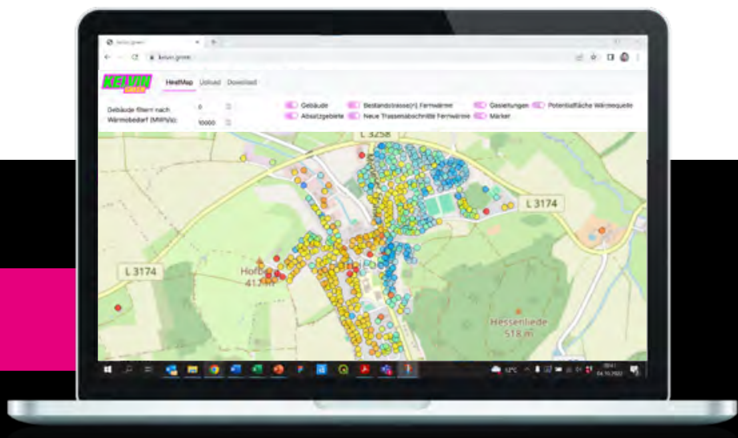
HeatMap

Feature overview

- Your own account with up to ten users for visual heat planning in Kelvin Green's HeatMap.
- Integration of statistical building data from our data partner for each account in advance or individual upload of your own data.
- Display of all buildings in the study area colour-coded according to different heat requirements with display of address, current energy source and heat requirement per building, etc.
- Representation of existing gas and heating network infrastructure within the study area (provided this is available as a standard GIS file).
- Filter function for displaying buildings according to heat demand
- Show and hide function for the network infrastructure, newly created heating network routes, energy centres, heat sources and potential areas.
- Option to create new potential heating networks with colour coding of the heating line density within these created route sections.
- Option to create potential areas for different heat supply options and route sections and, if necessary, assign them to newly created heating networks (including the buildings located therein).
- Display of key data for each potential area, such as number of buildings, total heat demand and, when assigned to route sections, heat line density (which indicates whether a heating network can be operated economically).
- Option to add extra locations and areas, like energy centres, areas where heat sources like geothermal or solar thermal energy are used (including automatic area calculation).
- Download function for the results of the visual processing carried out for further processing of the data by Kelvin Green or local consultants and engineering firms.
- Excel interface to other Kelvin Green products such as the Transformation Planner.



The Kelvin Green HeatMap.
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