# topGrid

## DIGITAL THERMAL GRIDS

Pitch Deck

Energy StartUp Day

19. November 2025

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Challenge

# Switzerland heavily relies on fossil fuels for building heating

**700 k**

Number of buildings in Switzerland heated by oil

**325 k**

Number of buildings in Switzerland heated by gas

**1/3**

Share of buildings on the Swiss $CO_2$ emissions

## Energy transition is required:

- Energy Strategy 2050
- Net-zero emissions by 2050

- Holistic energy planning is necessary
- Thermal networks are one possible solution

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POTENTIAL ASSESSMENT

HEATING & COOLING

NETWORK TOPOLOGY

GEO-DATA

OPTIMIZATION

THERMAL DEMANDS

HYDRAULICS

# Thermal Network Planning is highly complex, cost intensive and multi-faceted

DIMENSIONING

ANALYSIS

WEATHER DATA

CONTROL

INVESTMENT COTS

YEARLY CALCULATIONS

NETWORK SIMULATION

DATA HANDLING

OPERATING COSTS

Solution

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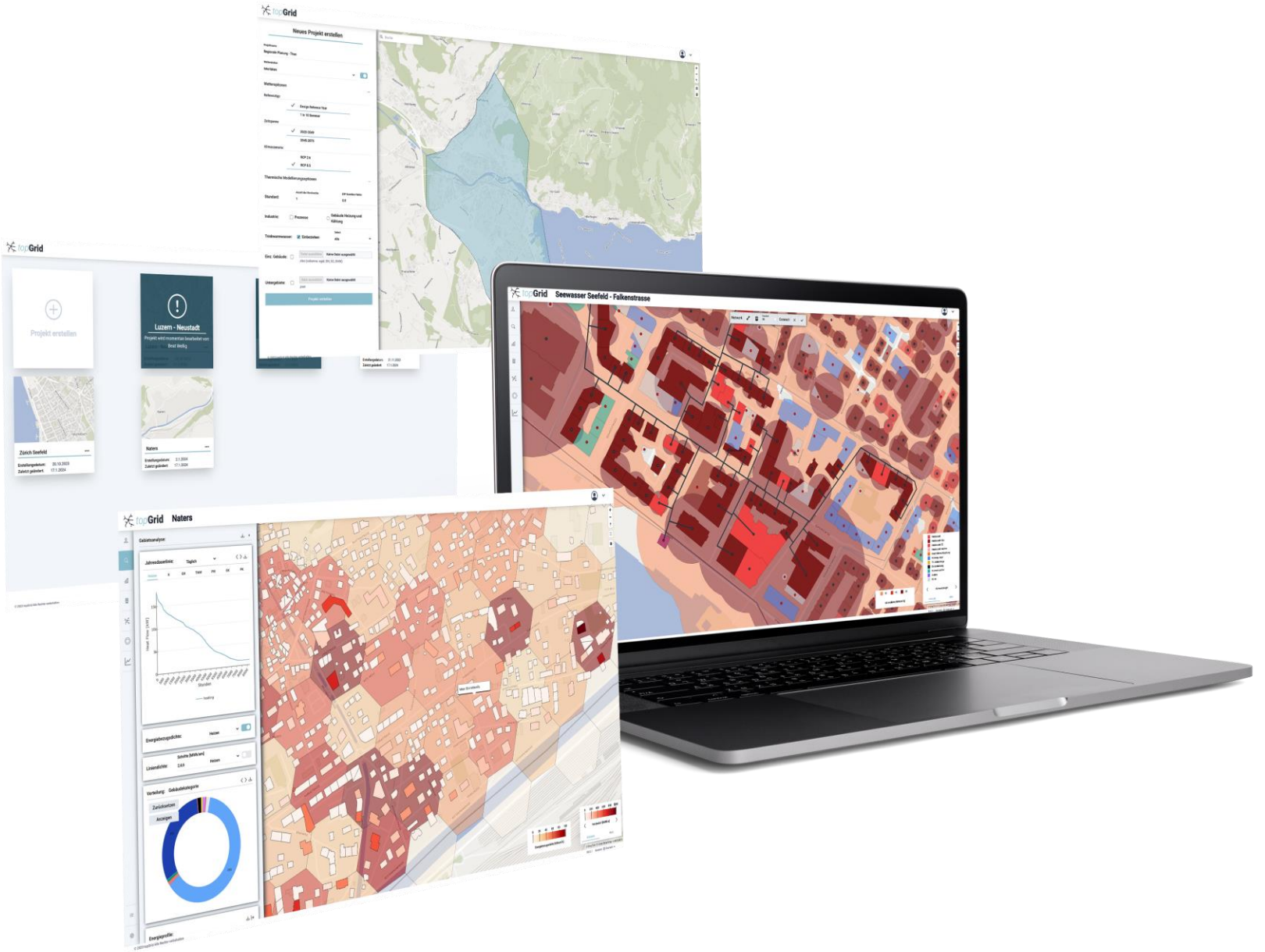
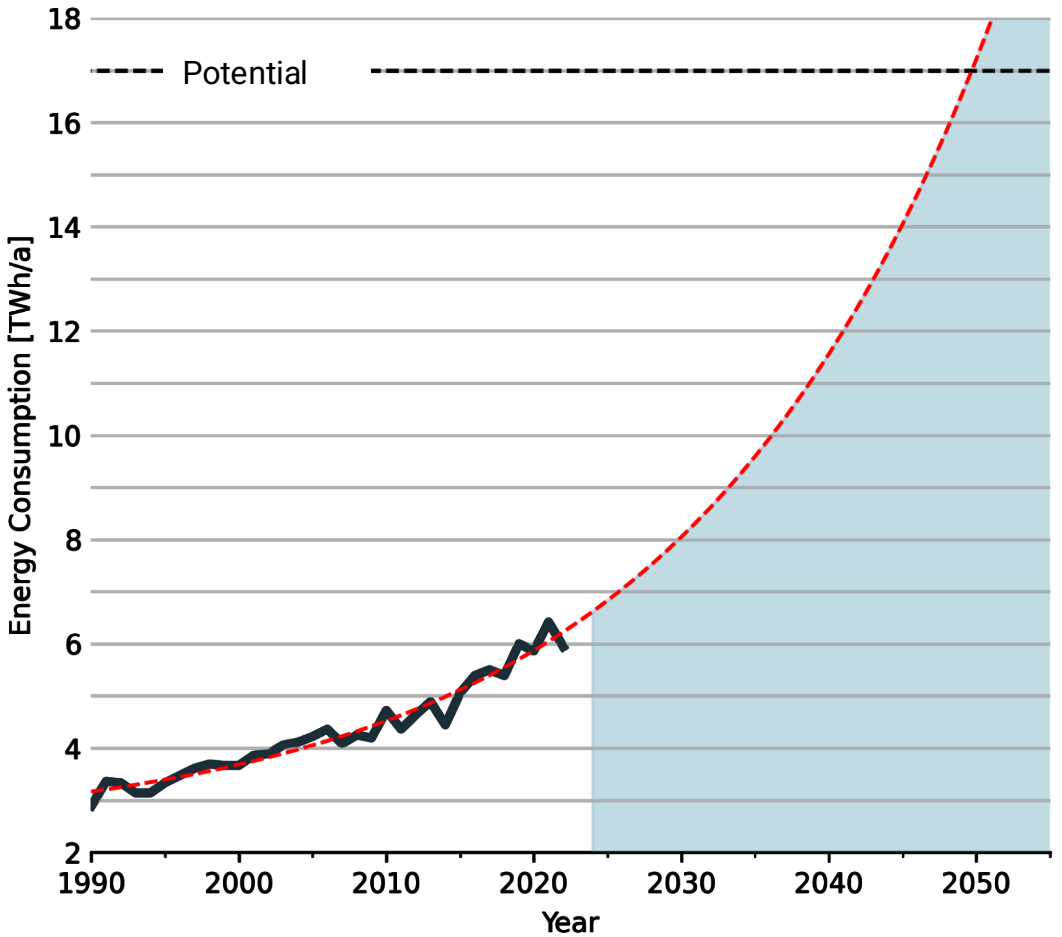
- **Web application**
- **Holistic Planning**
- **User centered**
- **usability**



Market overview

# District heating is on the rise in Switzerland




**6 TWh/a or 7%**

Current district heating turnover

**17 TWh/a or 38%**

District Heating Potential by 2050

Source: Weissbuch Fernwärme Schweiz – Verband Fernwärme Schweiz (VFS), 2014. Link

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# We offer both SaaS and consultancy services.

**Customers:**

- Energy engineering and consulting firms
- Energy utility Companies
- Municipalities and local governments

**Revenue Models:**

| Pay-per-project | Pay-per-time | Consultancy services |
|---|---|---|

**Versatile revenue models enable us to deliver the best solution for our customers**.

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**Jonas Grand**

- Founder and developer
- Expert in thermal simulation

**Andrea Grüniger**

- Founder and user
- Expert in thermal network planning

**Beat Wellig**

- Founder and advisor
- Professor in thermal energy systems

# We work on a renewable energy future with expertise and commitment.