

# LEVERAGING LEADERSHIP FOR RESPONSIBLE RESEARCH AND INNOVATION IN TERRITORIES

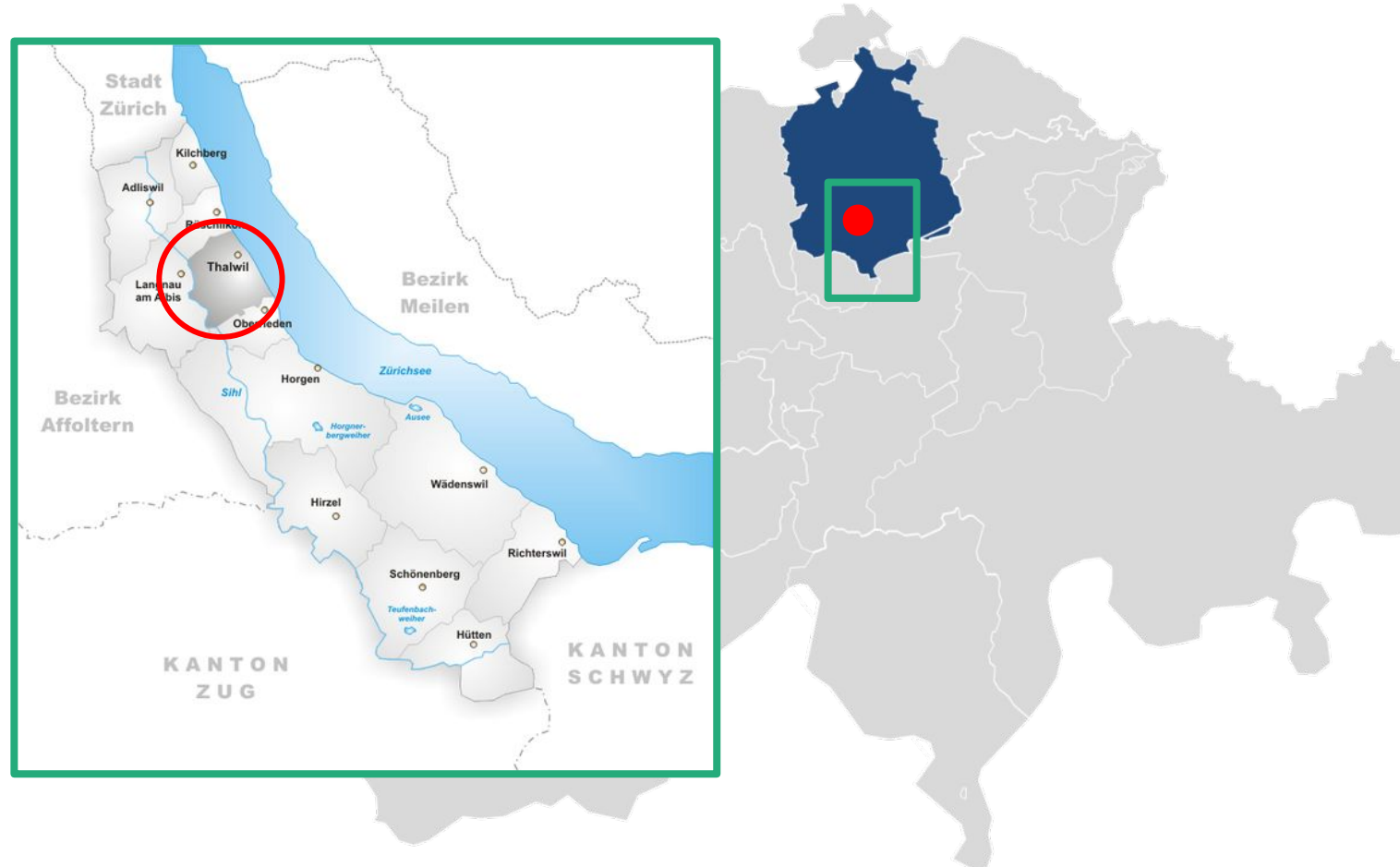
## Task 5.3 - Good Practice in the Territory of Thalwil, Switzerland District Heating Network «Zentrum»

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# Municipality of Thalwil



## Facts and Figures

- Canton of Zurich
- Population: 18'500
- Area: 5.5 km<sup>2</sup>

## Goal: Net Zero by 2050

- 2'700 buildings
- > 85% fossil
- renewable sources

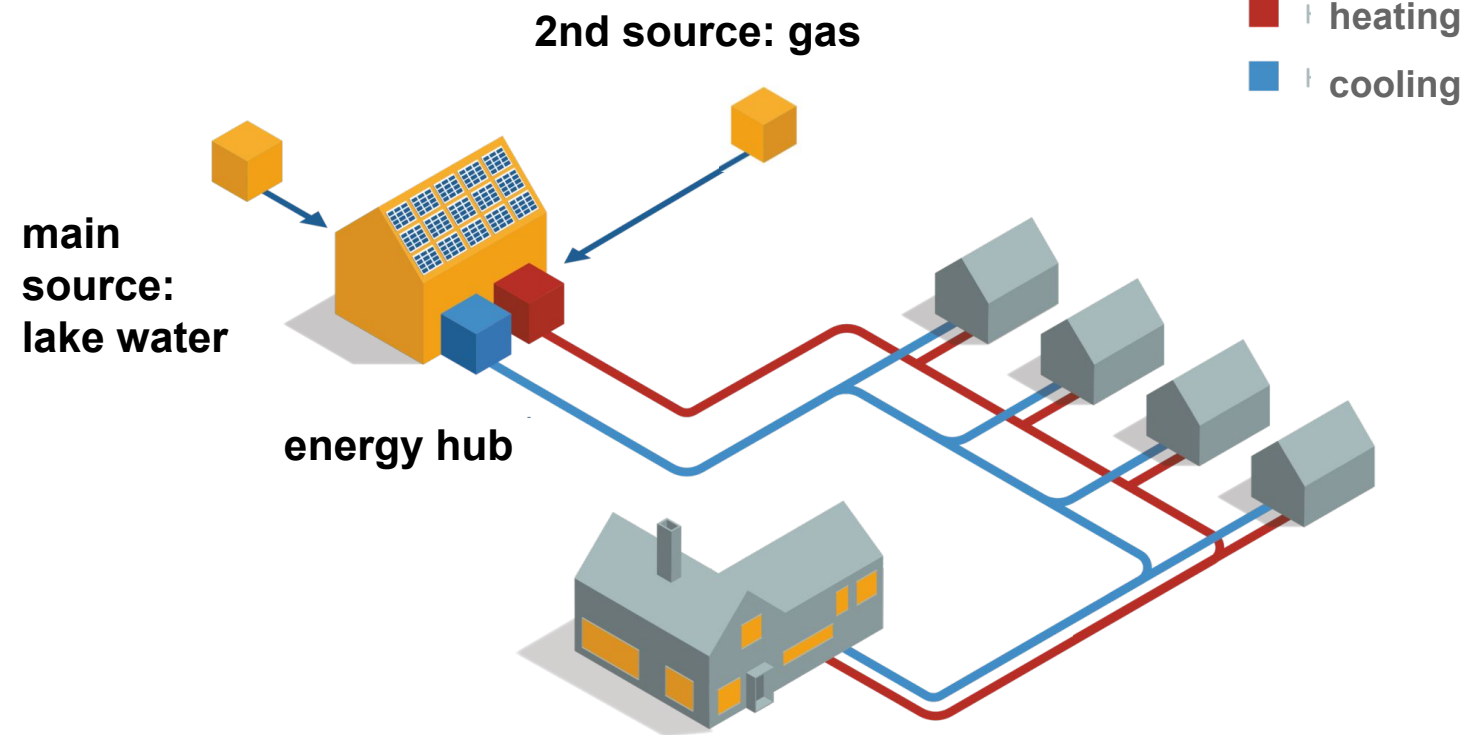
# District Heating Network

## Success Story

- district heating and cooling network with lake water as main heat source (total renewable energy 90%)
- example of successful policy making including long term planning in a multi-actor public-private partnership

## General Aim

- in accordance with federal target of net zero emissions by 2050 (Net Zero Pledge)

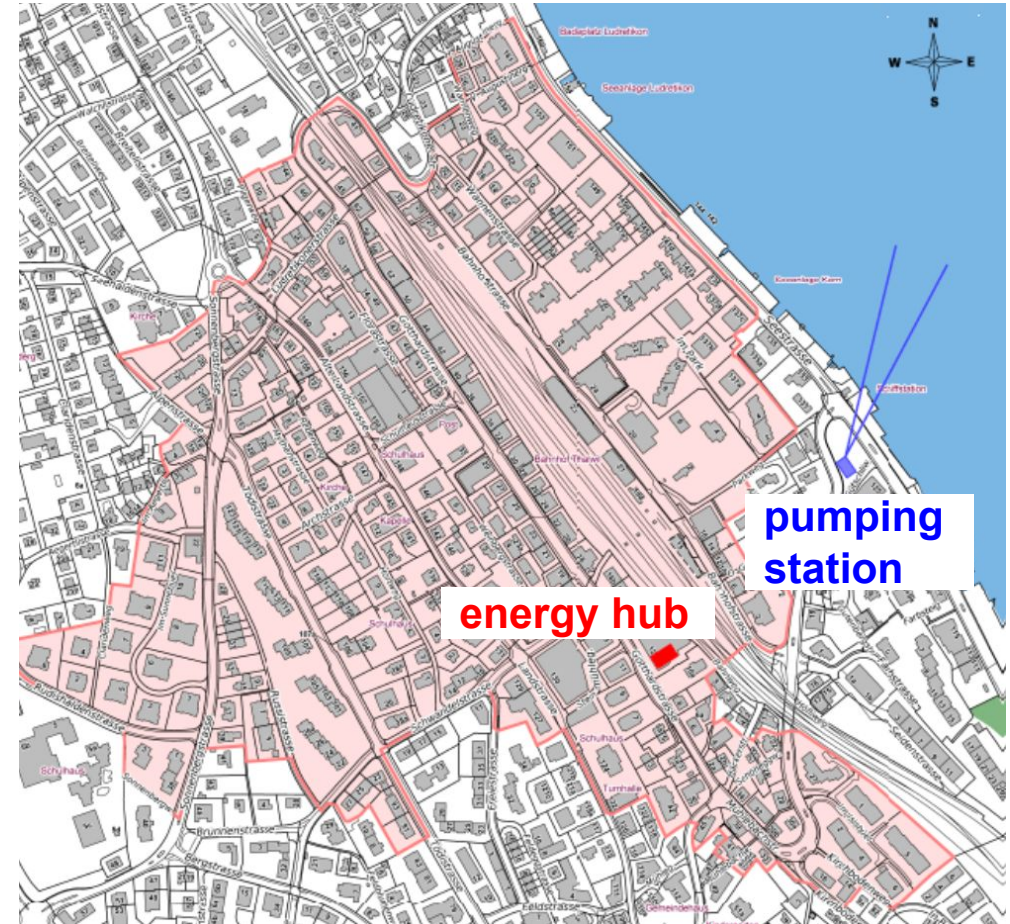


# DHN «Zentrum»

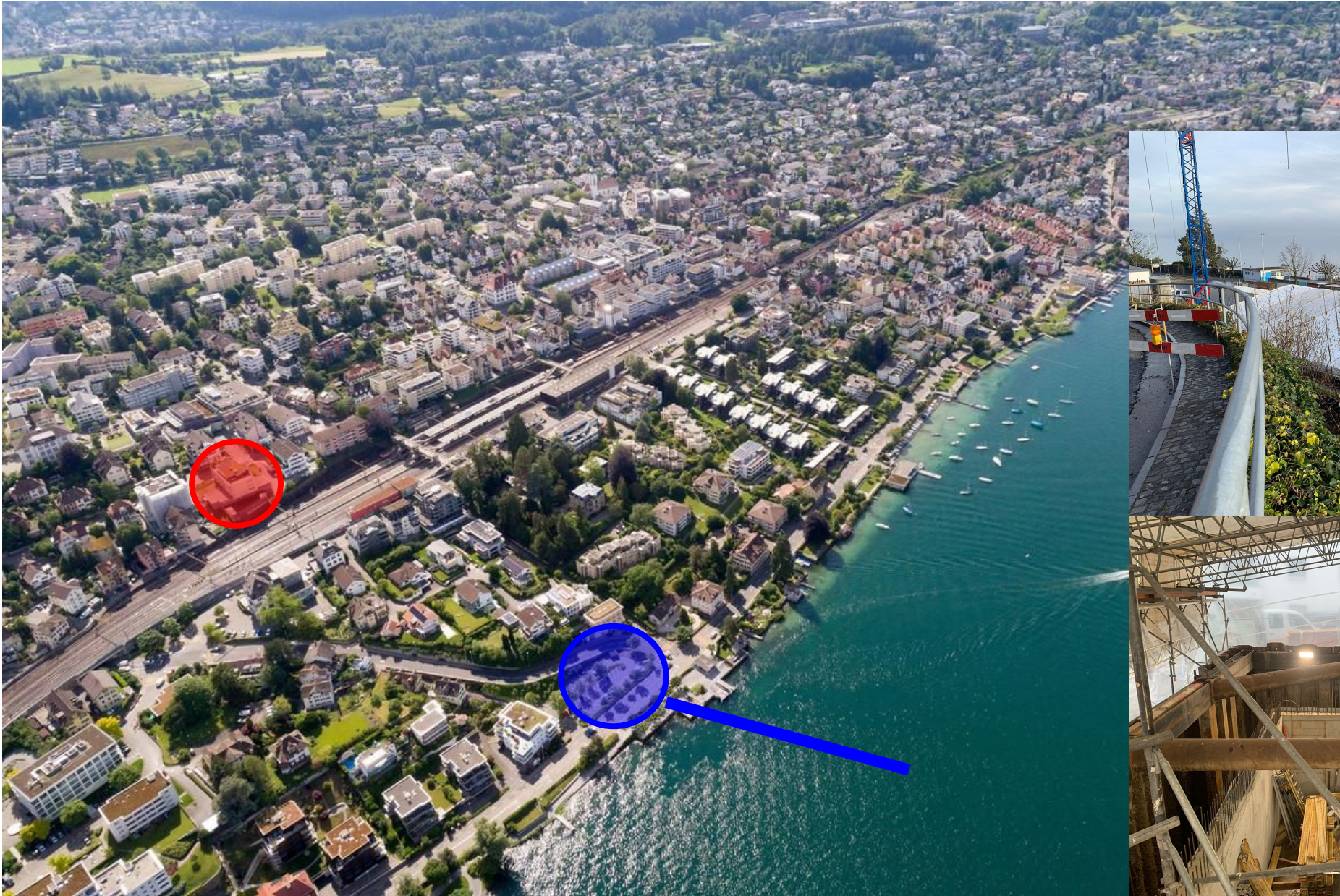
- ❑ **Municipal energy planning** paved the way for district heating networks over a decade ago
  - ❑ strategic document: municipal energy plan
- ❑ **Federal boundary conditions** key to push towards renewable energy technologies
- ❑ Highly flexible **public-private partnership**
  - ❑ Contract between **Gas Water Thalwil** (public) and **E360°** (private utility) with option for the municipality to become investors
  - ❑ **Win-win solution**: contracting business and renewable energy supply

energie360°

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Source: <https://www.zsz.ch/energieverbund-in-thalwil-ist-gesichert-354759087101>





# RRI-Keys: DHN «Zentrum»

- ❑ Informing people about the district heating network at an early stage (planning security)
  - ❑ project description on webpage
  - ❑ public **information events**
  - ❑ information **letters** to all households within network perimeter
- ❑ **Sustainability assessment** analysing costs and benefits for the people of Thalwil

public  
engagement

ethics

science  
education

gender  
equality

open access

# AIRR-Dimensions: DHN «Zentrum»

- ❑ **Municipal energy planning**

- ❑ strategic development over a decades and its successful implementation

- ❑ **Development strategy and cooperation contract**

- ❑ getting all actors on board, developing win-win strategies

- ❑ **Feasibility study and sustainability assessment**

- ❑ evaluation of project, considering the costs and benefits for society

anticipation

inclusion

reflexiveness

responsiveness



# DHN «Zentrum»

## Concluding Remarks

Many elements of the RRI-AIRR framework were crucial for the projects success

- **Anticipation** and long term planning
- **Public engagement** and **inclusion**
- Communication strategy

# Thank you for listening!

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