SEWERGY

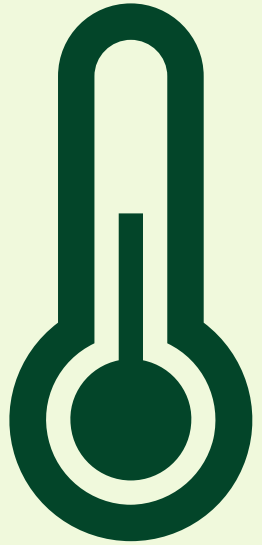
MAPPING SEWER ENERGY.

WHO WE ARE

↗ SEWERGY is a brand of KDMAP Solutions Kft. registered in Budapest, Hungary

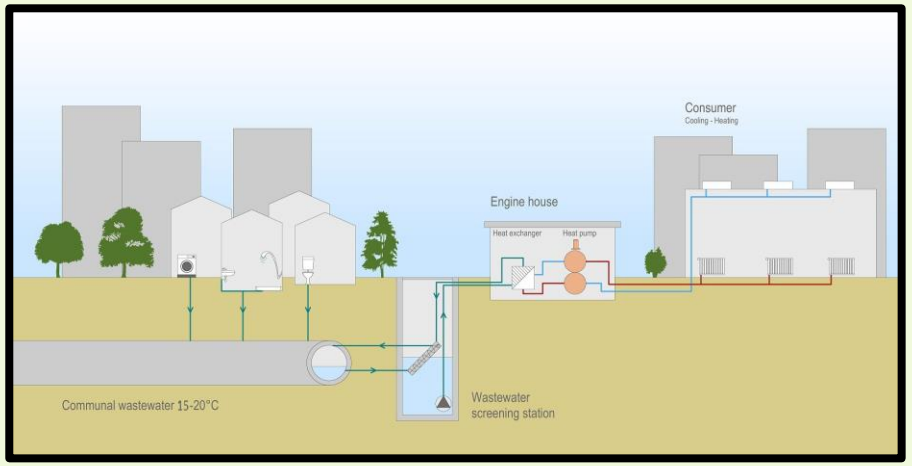
↗ Founded in 2020, Developing SEWERGY since 2023

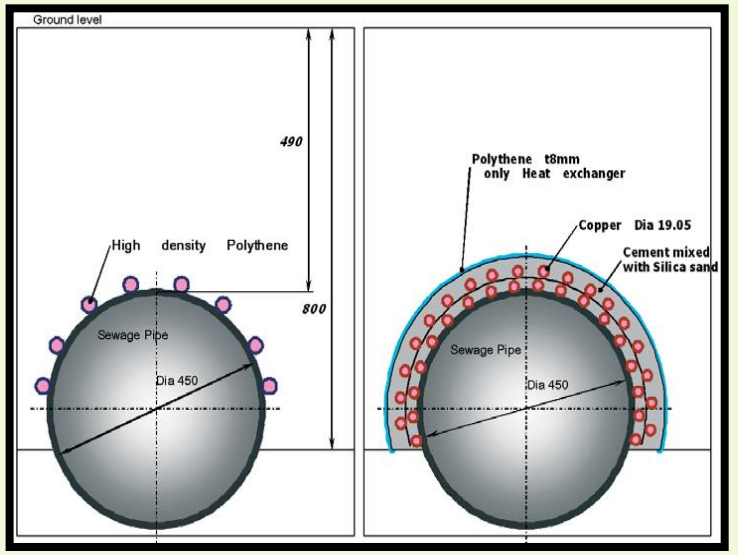
Tackling Climate Change in Cities

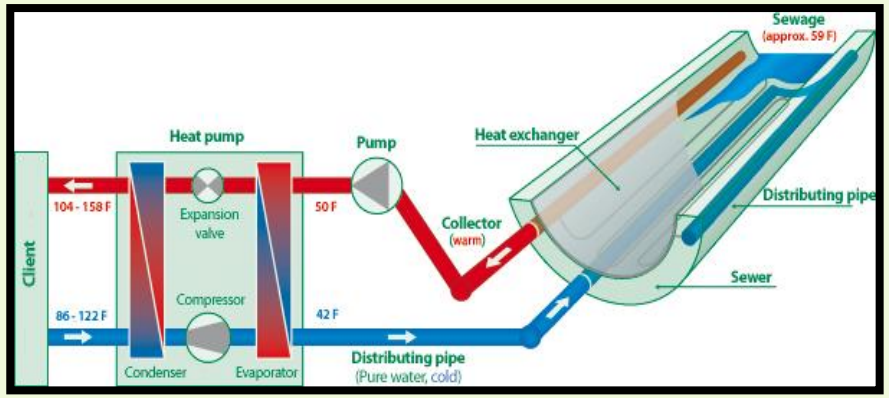


- ↗ Buildings are the main emitters of CO2
- ↗ Electrified heating –> low CO2 emissions
- ↗ Heat pumps –> efficient electrification
- ↗ Heat pumps need heat resources
- ↗ Heat sources are scarce in densely populated city areas
- ↗ Sewage heat –> efficient solution

How can we use sewage heat?







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But Where Is The Heat?

↗ You need a map to use it...

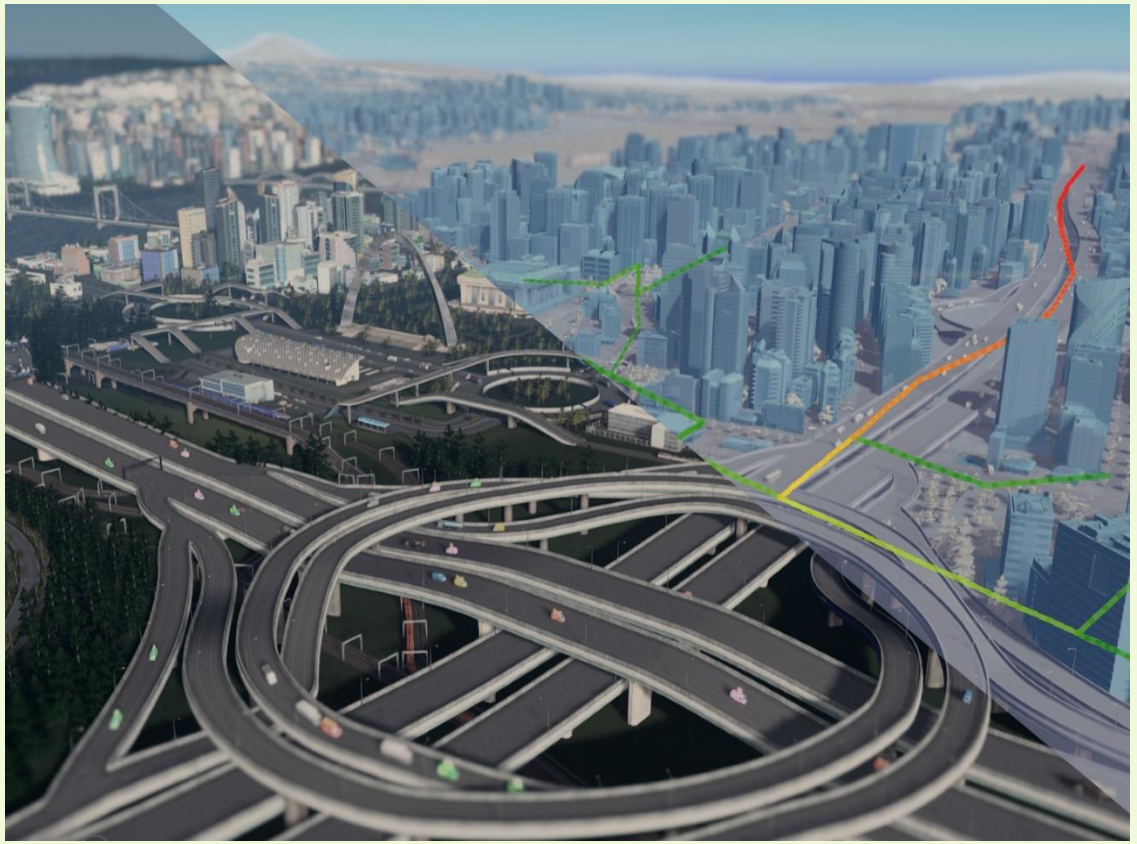
The SEWERGY Solution

↗ Backed by 15+ years of experience in sewage heat utilization R&D

↗ Over 90% cost saving compared to traditional mapping with measurements

↗ Up to 10x faster than measurement-based mapping

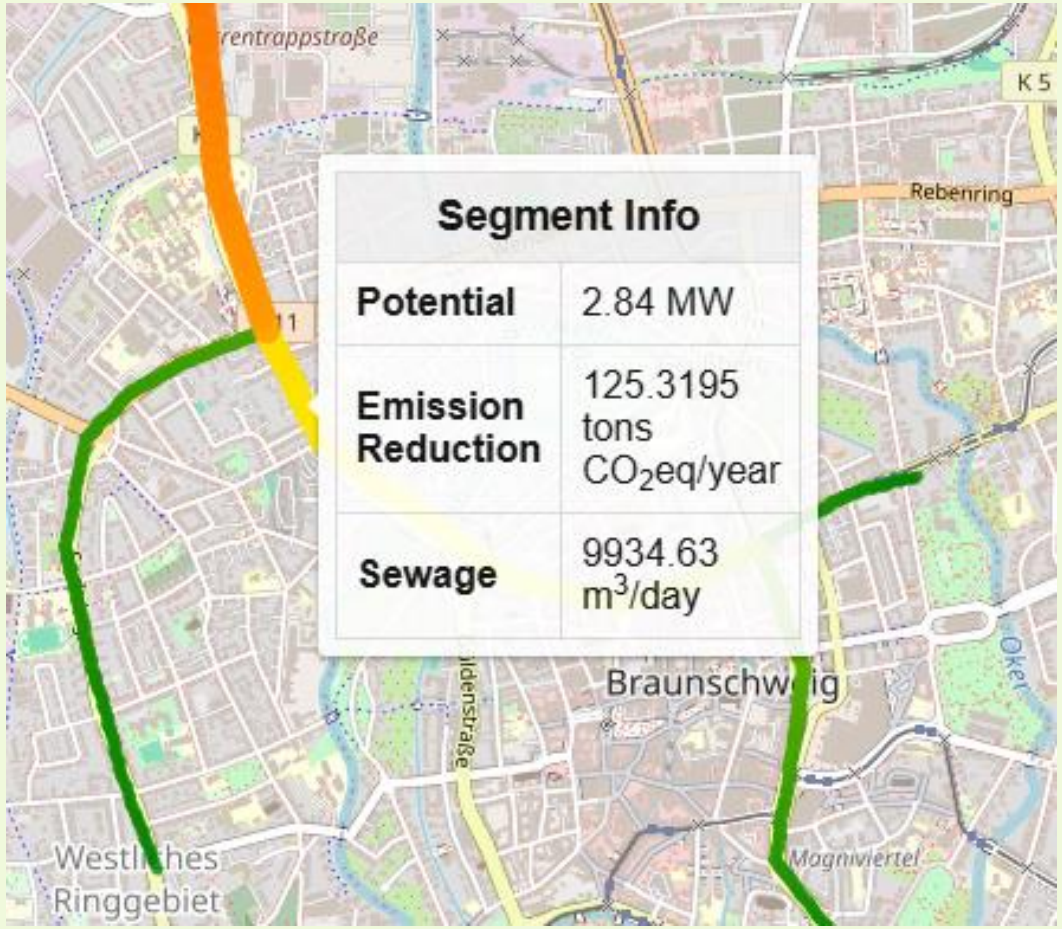
↗ Lightweight and easy to use software



SEWERGY SOFTWARE

AIM OF THE SOFTWARE

- ↗ Built specially for sewage heat
- ↗ Quick tool for decision makers
- – Build the initial map within a week
- ↗ Good visibility of data
- ↗ Evolving accuracy through further inputs



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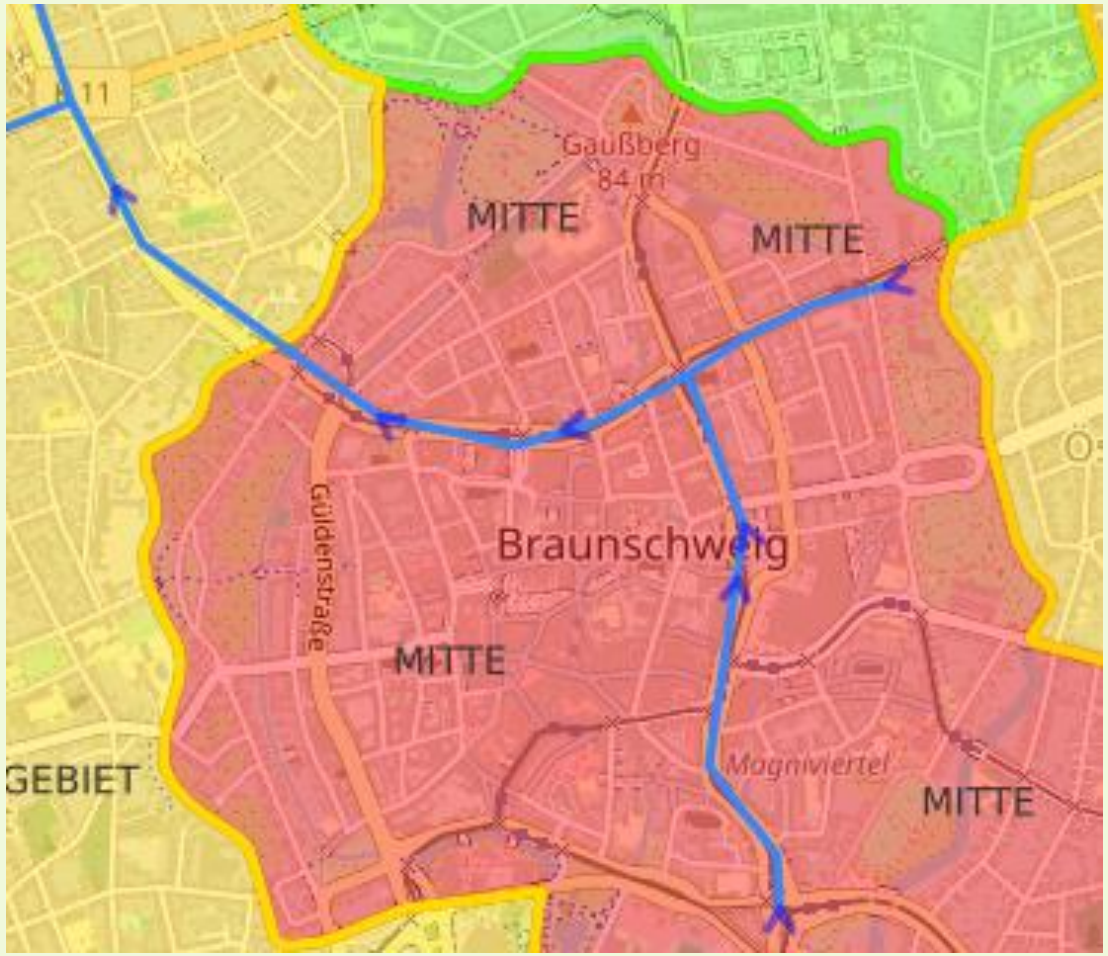
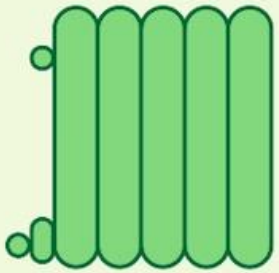


HOW DOES IT WORK?

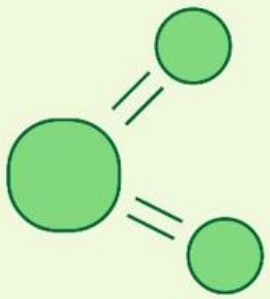
- Upload the sewage network into city map
  - Full privacy regarding data uploaded
  - Upload possible by water utility
  - Use your current map as an overlay for easier data transfer
- Specify external factors
  - Population density (or let the AI help you with this)
  - Industrial/commercial sites' sewage outputs can be taken into account
- Add sewage flow measurements at any point
  - Add IoT/pump data
- Simulate heat use at a given point
  - Calculation of flow meter-by-meter

RESULTS



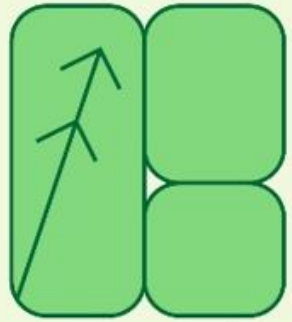
↗ Visualised kW of heat available at a given point of the city

↗ Proposal for measurement points for further accuracy



↗ Calculate CO2 emission reduction potential compared to various alternatives

↗ Dynamic map ready solution



BENEFITS

↗ Over 90% cost saving compared to traditional mapping with measurements

↗ Always up to date & evolving platform with growing accuracy

↗ Unparalleled fast sewage heat mapping for any location in the city

↗ EU regulation* for heat mapping ready

↗ Support sustainability and ESG targets

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*DIRECTIVE (EU) 2023/1791 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 13 September 2023, Article 25, 6.(a)

WHO IS IT FOR?

- Municipalities
  - For their green strategy – several hundred MW green energy potential
- Water utilities
  - To generate revenue from their sewage network
- District heating companies
  - To generate revenue from their sewage network
- Investors & Real estate developers
  - For sustainable and green investments complying with ESG rules

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