SEWERGY

MAPPING SEWER ENERGY.

Greet CE 18.02.2026

Pal Kiss Founder

Tackling Climate Change in Cities

↗ Buildings are the main emitters of CO2

↗ Electrified heating → low CO2 emissions

↗ Most efficient electrification → Heat Pumps

↗ Most efficient Heat Pumps → water to water

↗ They need water heat sources

↗ Under our feet waste water is available everywhere in cities

↗ **Where exactly? How many kWs?**

Unused Energy **Potential:** 1 MW/ 10.000 PE

Project ROI: 5-15 years, Investment cost: 1-2 millions EUR/MW

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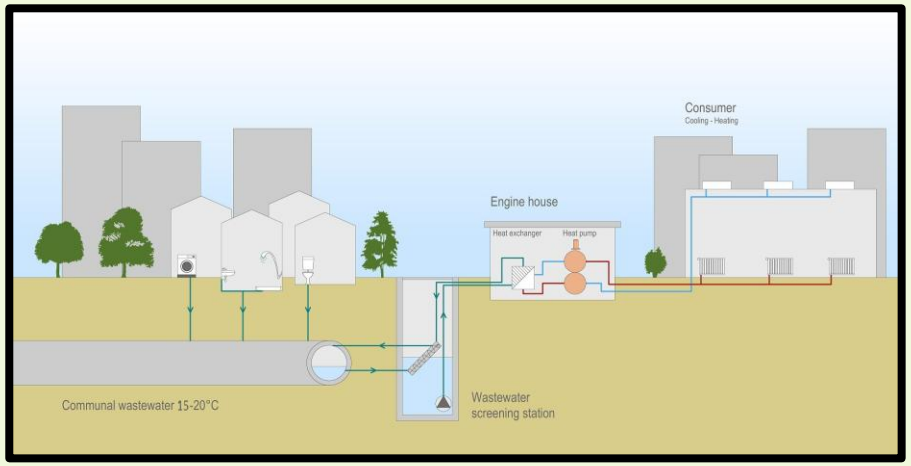
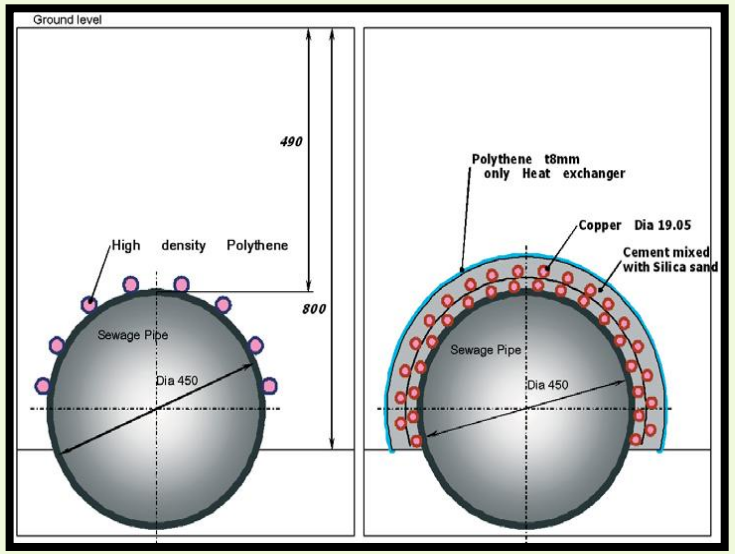
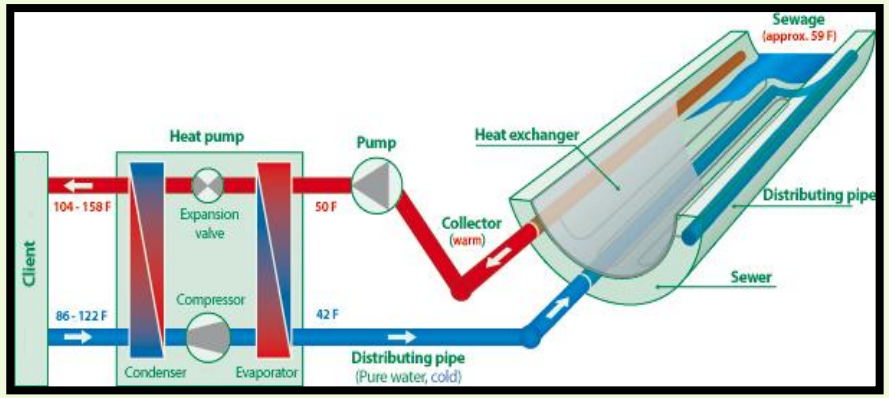
Many technologies are available

for waste water heat







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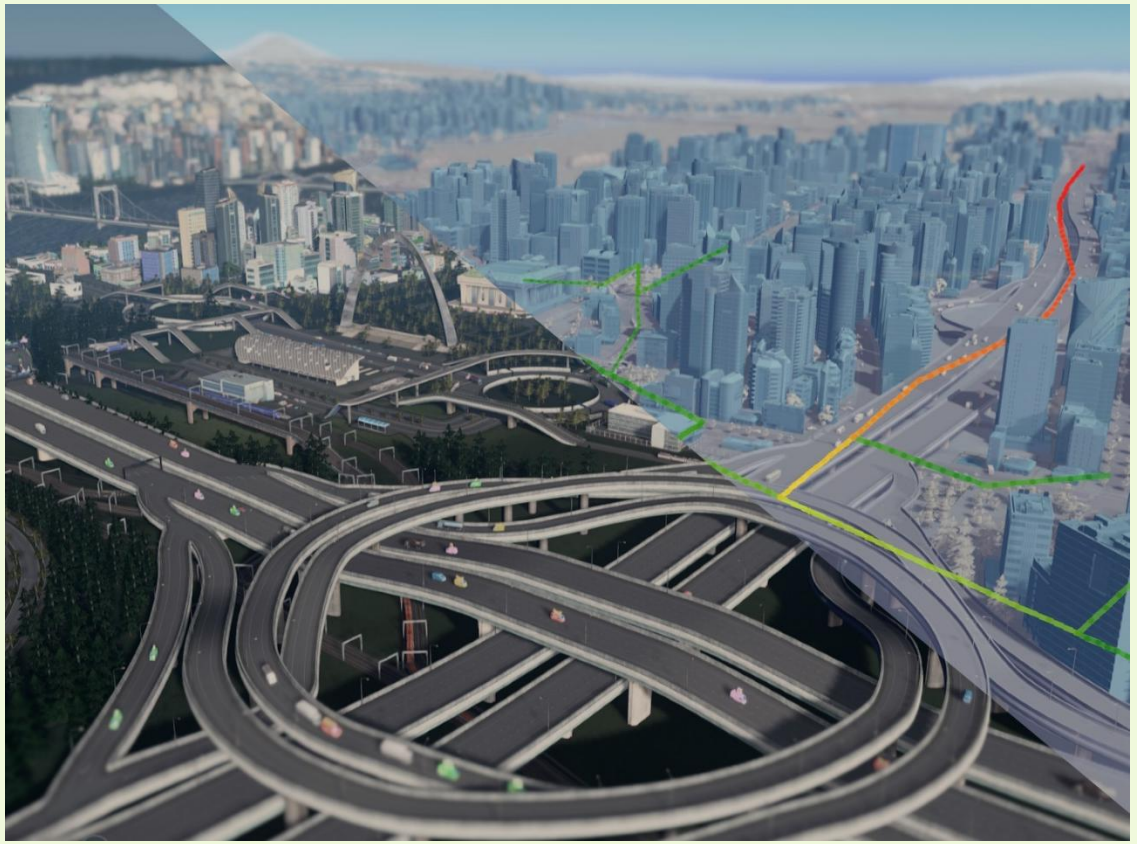
The SEWERGY Solution

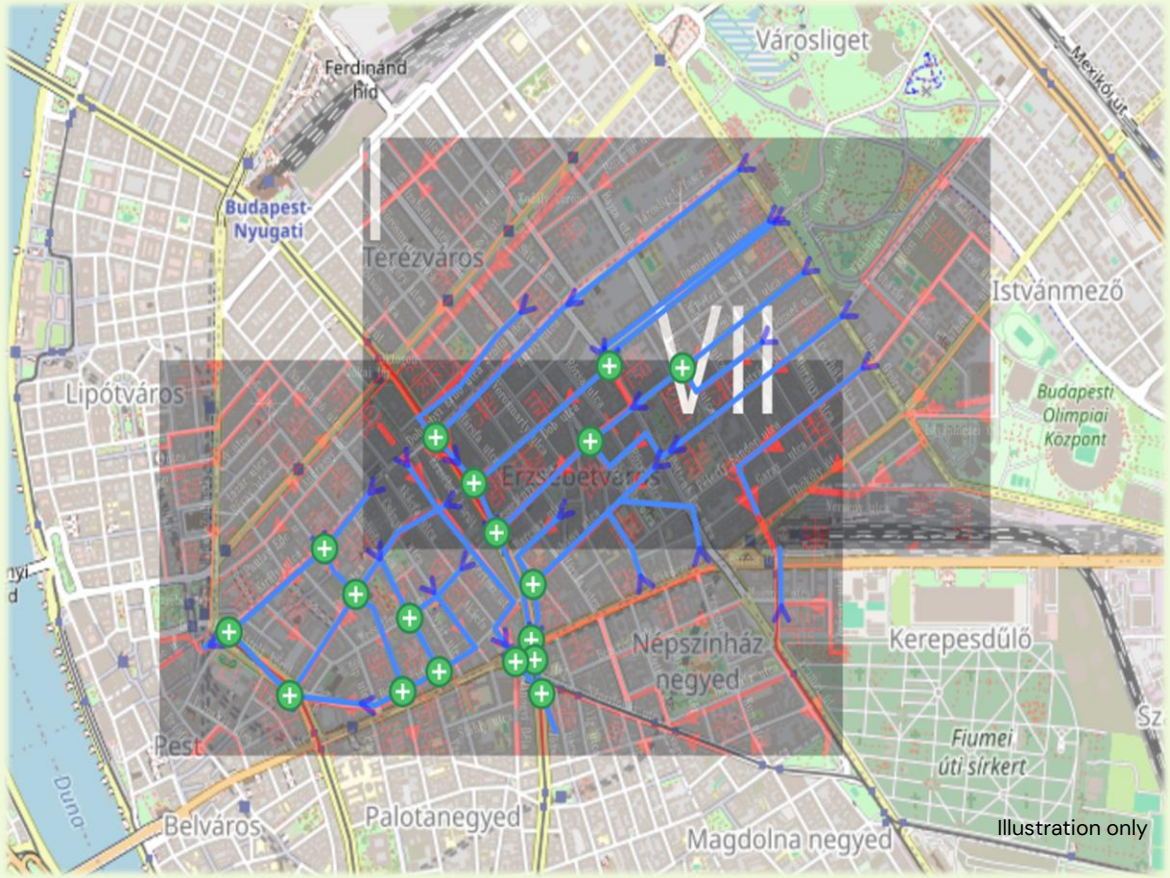
↗ Backed by **15+ years of experience** in sewage heat utilization

↗ Over **90% cost savings** compared to traditional mapping with measurements

↗ Up to **10x faster** than measurement-based mapping



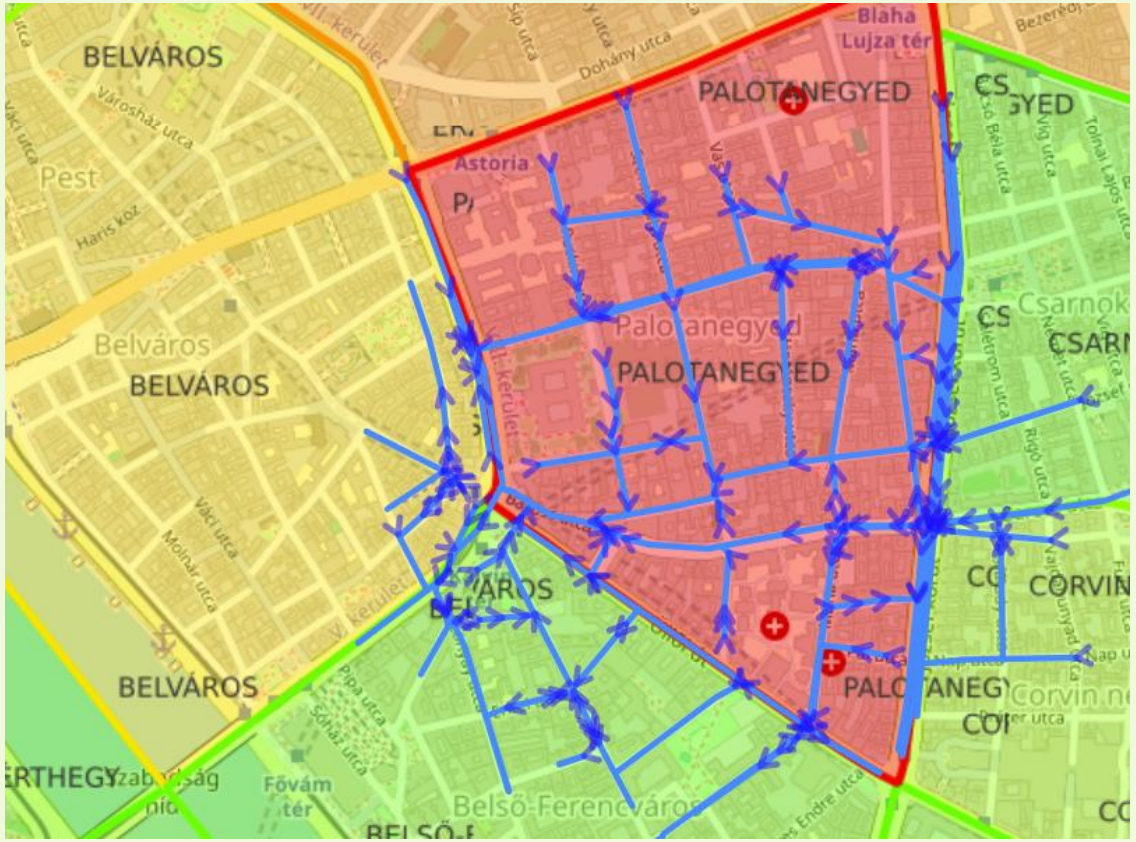
SEWERGY SOFTWARE STEPS



1. **AI population data** collection
2. **Automated upload** of the sewage network into city map
3. **Data calibration** (WWTP, Pumping stations, etc.)
4. **Heatmap generation**

AI population Data Collection

...na ...uare kilometer ... and tourism) ...per square KM	**Pasarét** 3798 people per square kilometer (including residents and tourism) Density: 3798 people per square KM	**Országút** 19583 people per square kilometer (including residents and tourism) Density: 19583 people per square KM	**Rózs** 2424 people pe (including resi Density: 2424 p
...ál ...uare kilometer ... and tourism) ...per square KM	**Törökvész** 7366 people per square kilometer (including residents and tourism) Density: 7366 people per square KM	**Palotanegyed** 45000 people per square kilometer (including residents and tourism) Density: 45000 people per square KM	**Népszín** 30941 peo kilometer (inclu tou Density: 30941 p
...egyed ...uare kilometer ... and tourism) ...per square KM	**Magdolnanegyed** 26667 people per square kilometer (including residents and tourism) Density: 26667 people per square KM	**Corvin negyed** 12154 people per square kilometer (including residents and tourism) Density: 12154 people per square KM	**Losonc** 12027 people p (including resi Density: 12027 p
...gyed ...uare kilometer ... and tourism) ...per square KM	**Ganz negyed** 4583 people per square kilometer (including residents and tourism) Density: 4583 people per square KM	**Tisztviselőtelep** 14925 people per square kilometer (including residents and tourism) Density: 14925 people per square KM	**Század** 2000 people pe (including resi Density: 2000 p



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REFERENCES

↗ Budapest, Hungary

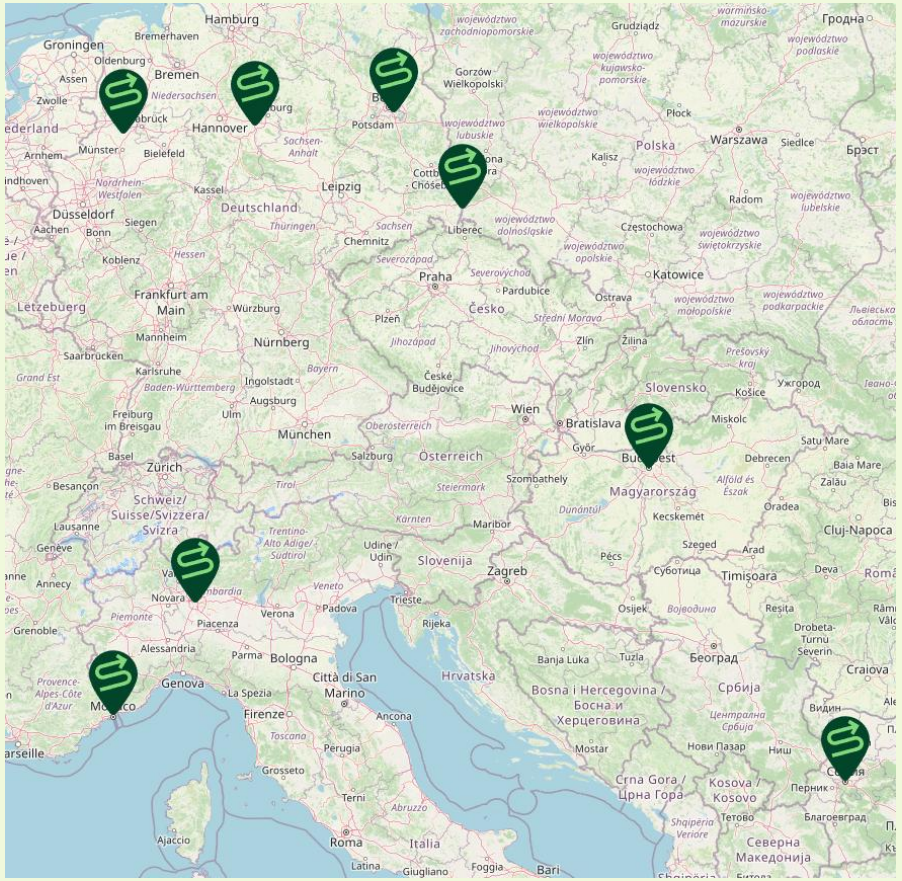
- ~ 1 700 000 inhabitants
- Project delivery within 2 months

↗ Saerbeck, Germany

- ~ 7 000 inhabitants
- Project delivery within 2 weeks

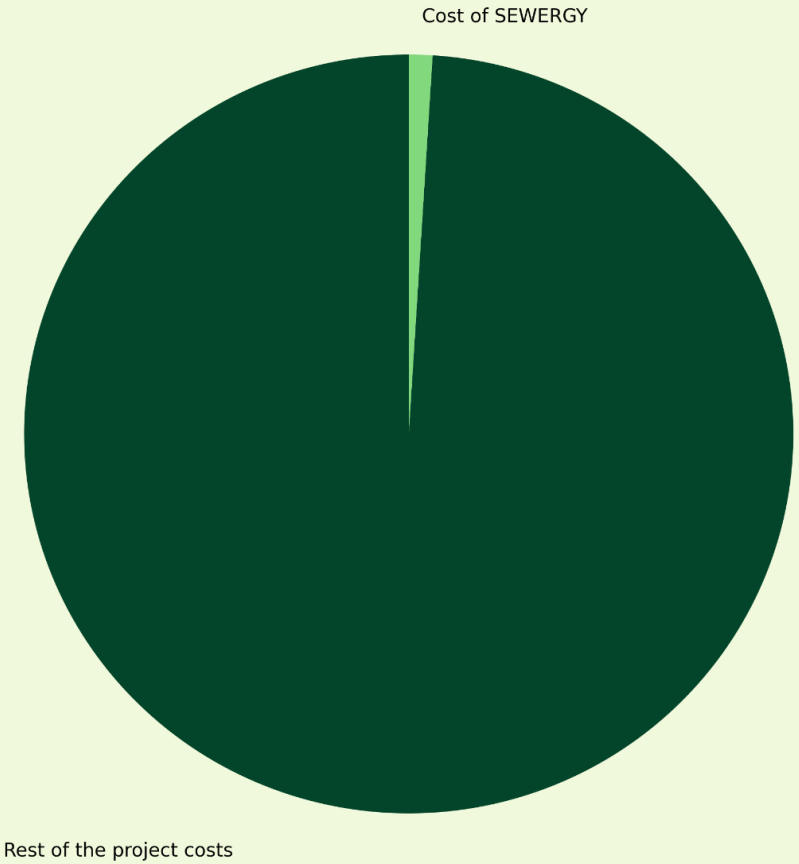
↗ Sofia, Bulgaria

- ~ 1 300 000 inhabitants
- Project in preparation phase

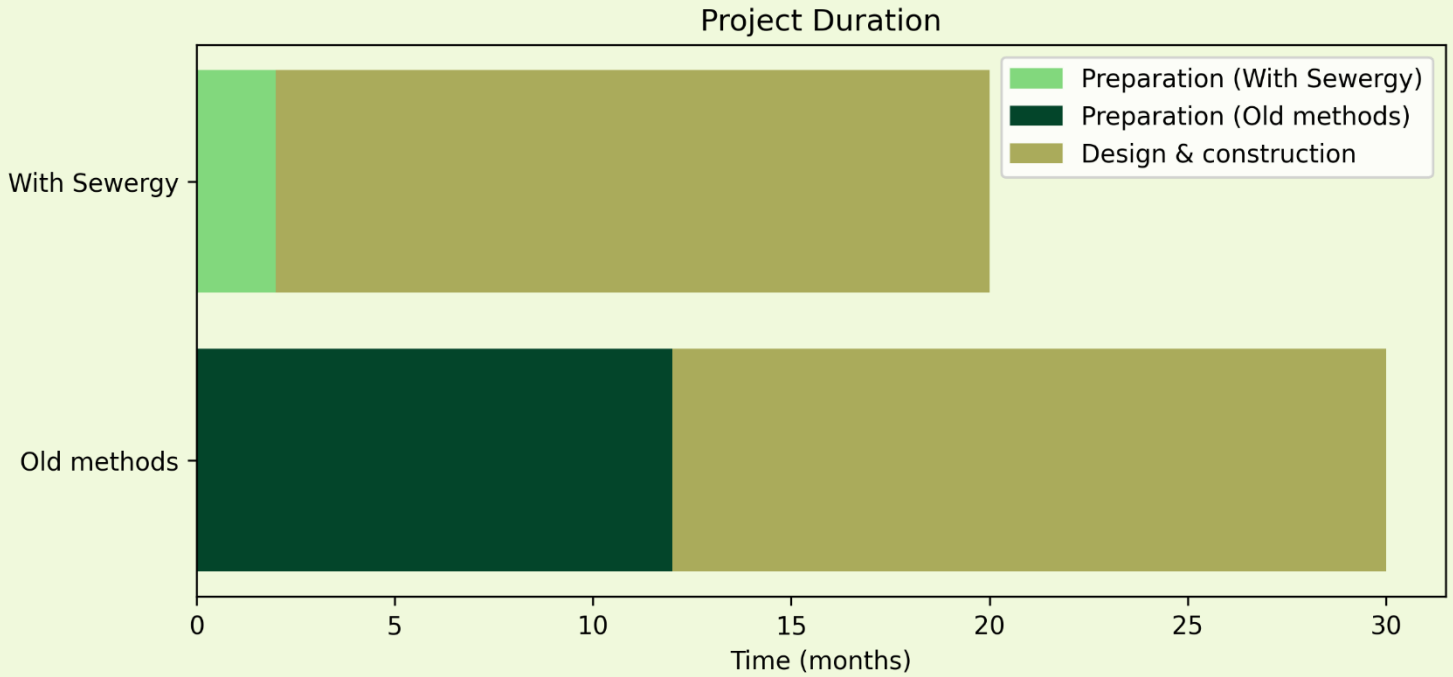


SEWAGE HEAT PROJECT

COST*



TIME*



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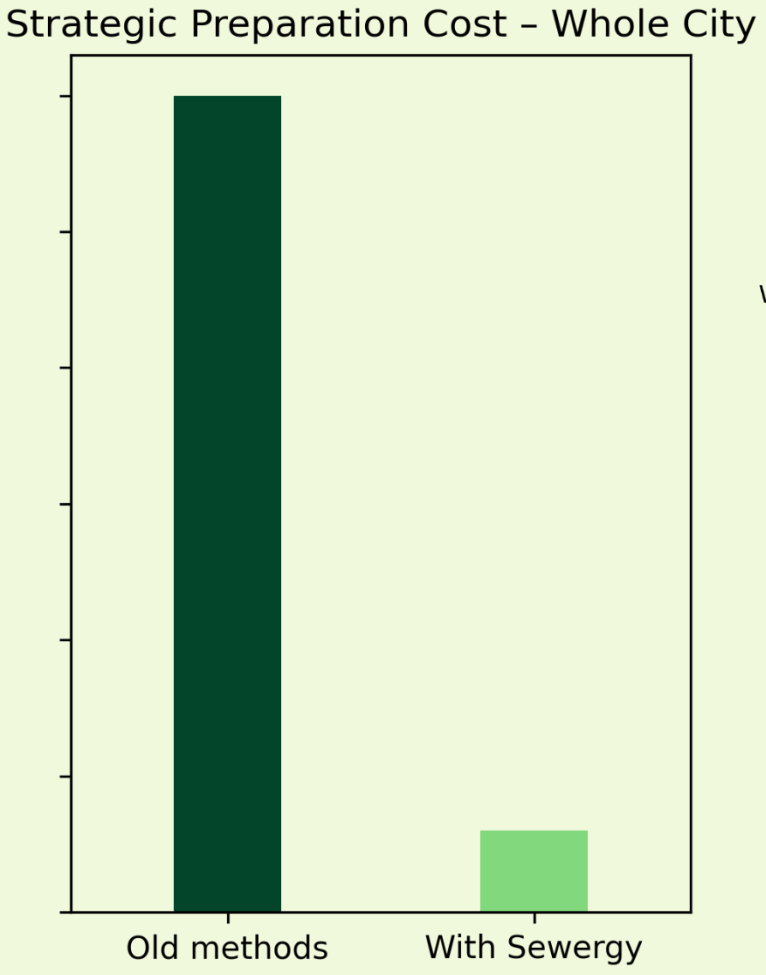
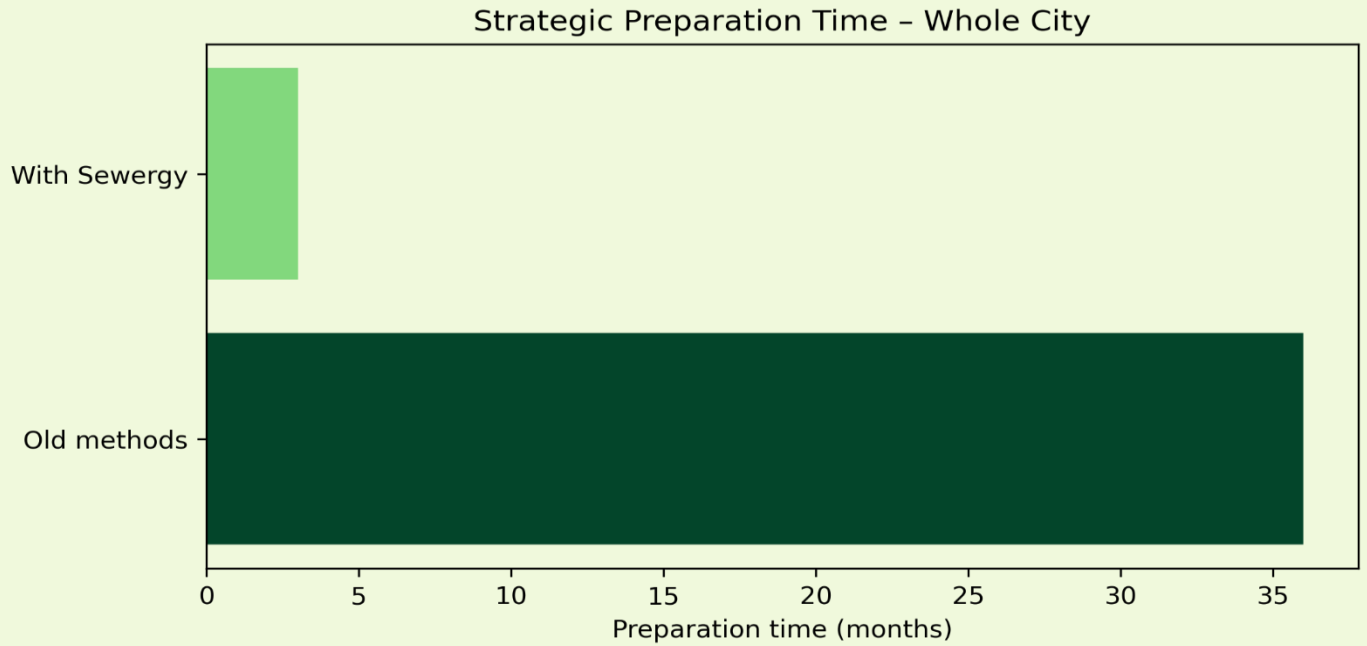
*Estimation for 1 MW heat project

CITY SEWAGE HEAT MAPPING

COST*



TIME*



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*Estimation for 100.000 inhabitants city

WHO IS IT FOR?

↗ **Municipalities**

- Green strategy, EU regulation* for renewable heat mapping

↗ **Water utilities**

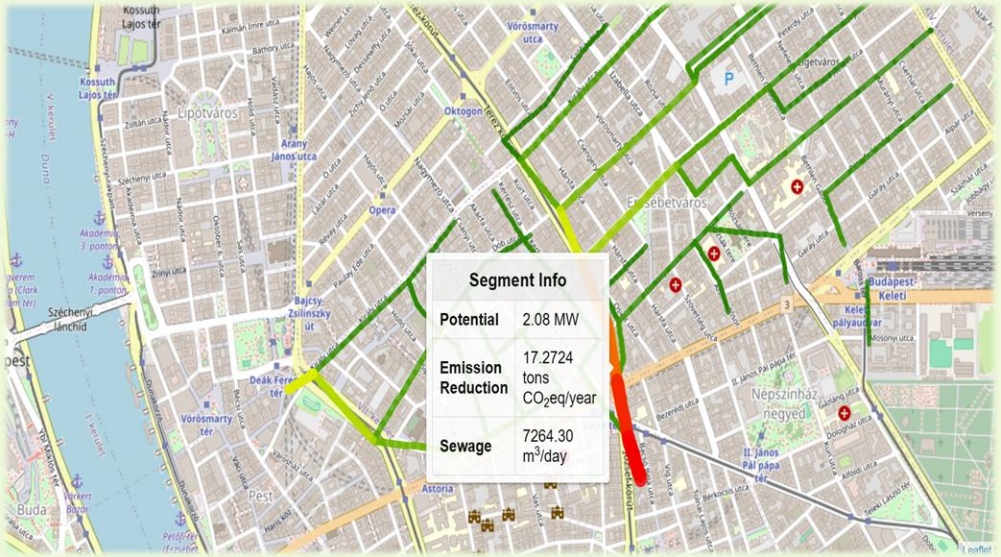
- To generate revenue from their sewage network

↗ **District Heating Companies**

- To generate revenue from a renewable heat source, efficient DH

↗ **Investors & Real estate developers**

- For sustainable and green investments complying with ESG rules



↗ Built **specially** for sewage heat

↗ **Quick & visible** tool for decision makers

↗ **Evolving** accuracy through further inputs

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

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Communication Campaign
Supported by Greet CE

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