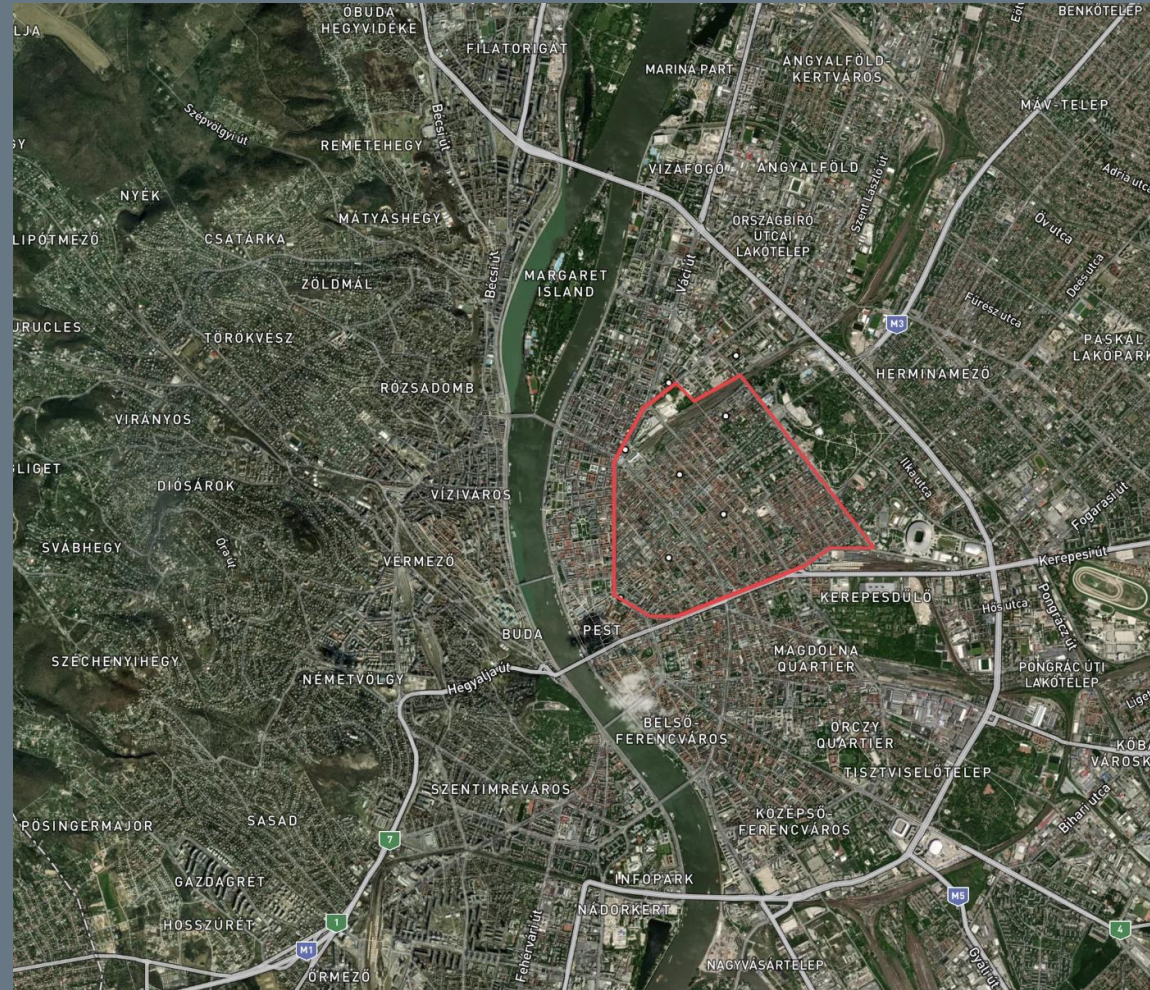


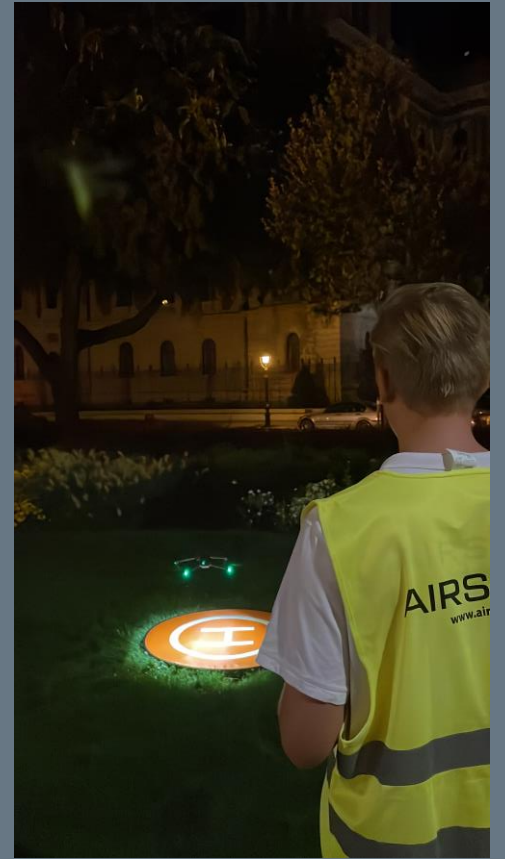
Smart City Planning in Budapest



Thermal survey from the air - details

- Budapest
- August 2023
- After sunset (8:00 – 10:00 pm)
- 447 Ha – 4.47 km²
- Altitude of flying: 350 m – 1148 ft
- Amount of pictures: 1456
- Air temperature at the time of the survey: 23°C - 73°F
- Humidity at the time of survey: 54%
- Survey quality 46.5 cm/px – 18,3 inch/px





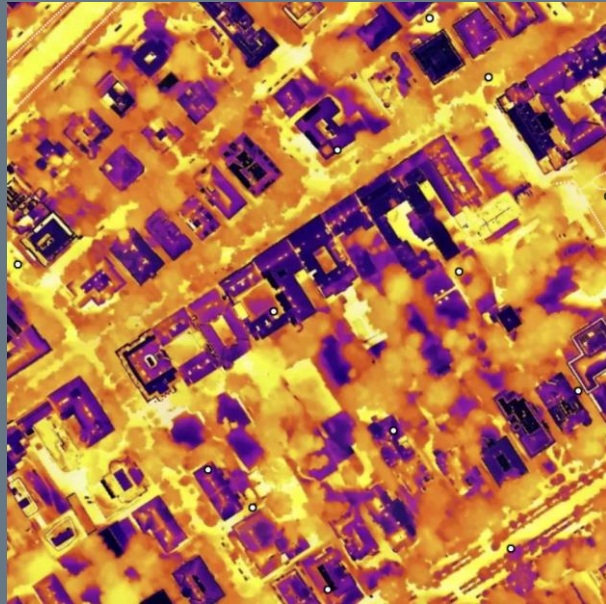
Thermal survey on set



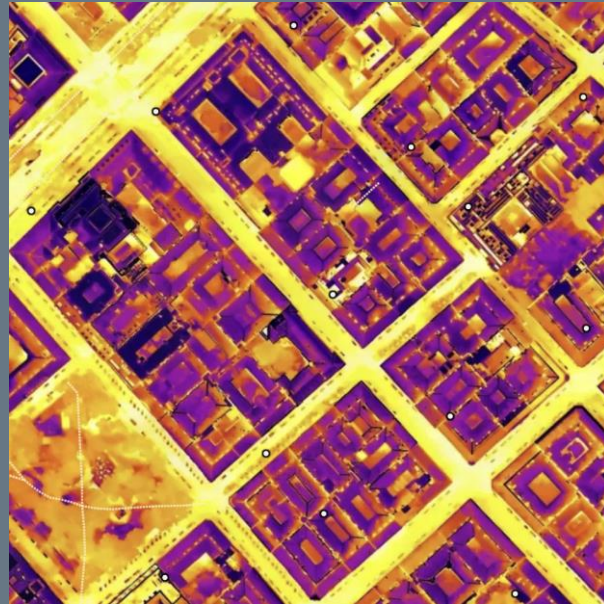
Thermal orthophoto VI. district



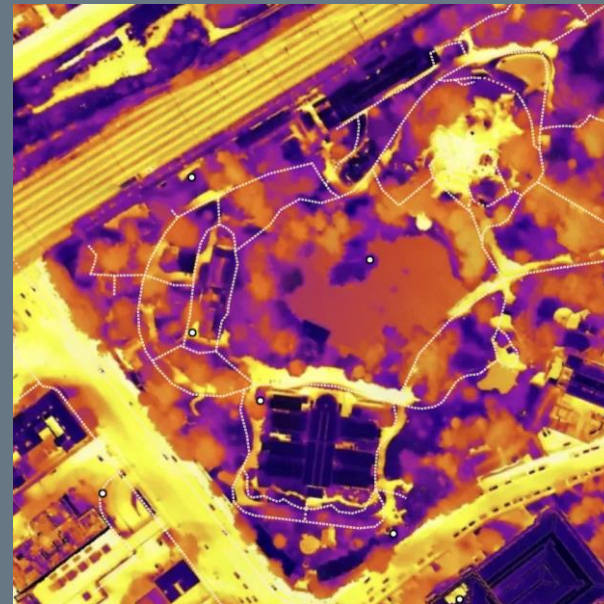
Observations



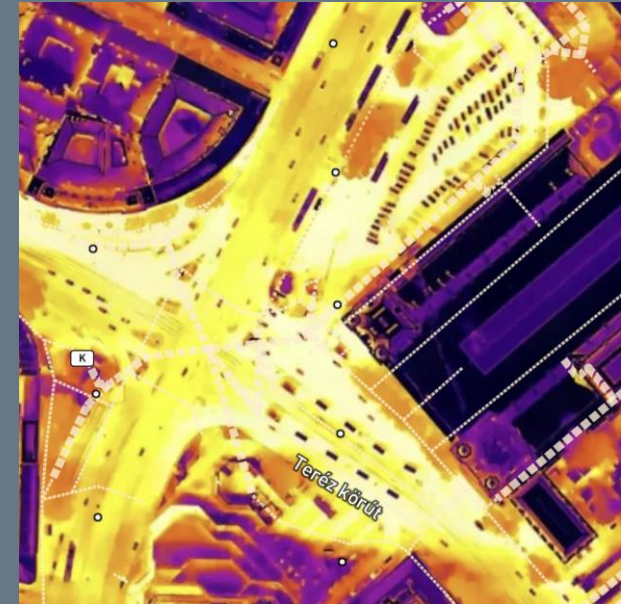
Area with trees
Better heat retention



Area without trees
Worse heat retention



Park area
Normal temperature



Large concrete surface
Hot (after sunset)



Smart City Planning in Budapest

Lorinc Markus – project manager

Potential partners:

Architectural firms, Urban planners, Forest management

In the future, we would like to conduct deeper researches and surveys in similar fields throughout Europe.

