How to find leaks with aerial thermography

10 steps

Equipment

Termisk Systemteknik

Prokitor AERO CH®
Prokitor
Prokitor VISION®

KC

1. Area

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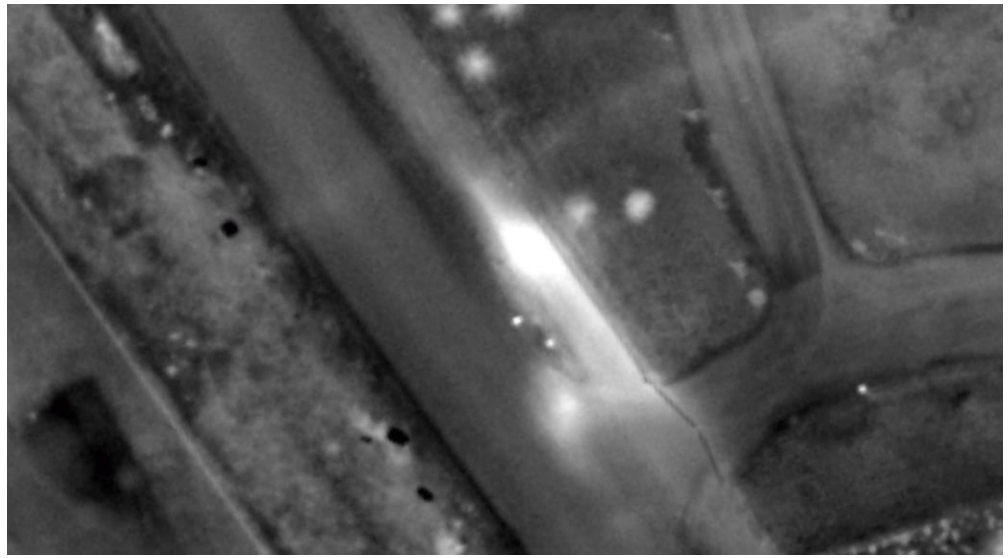
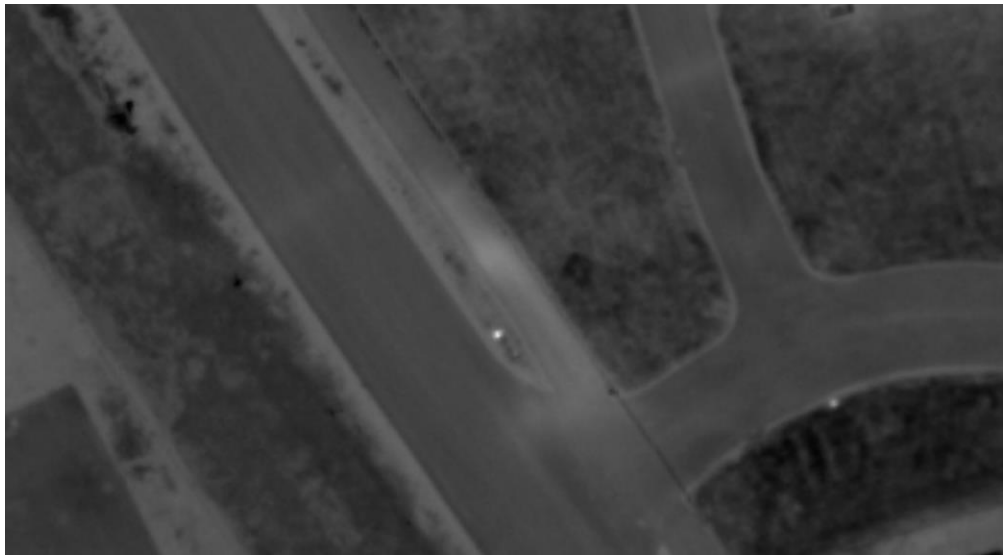
2. Weather conditions

- No sun
- Cold weather
- No leaves
- ”Dry soil”





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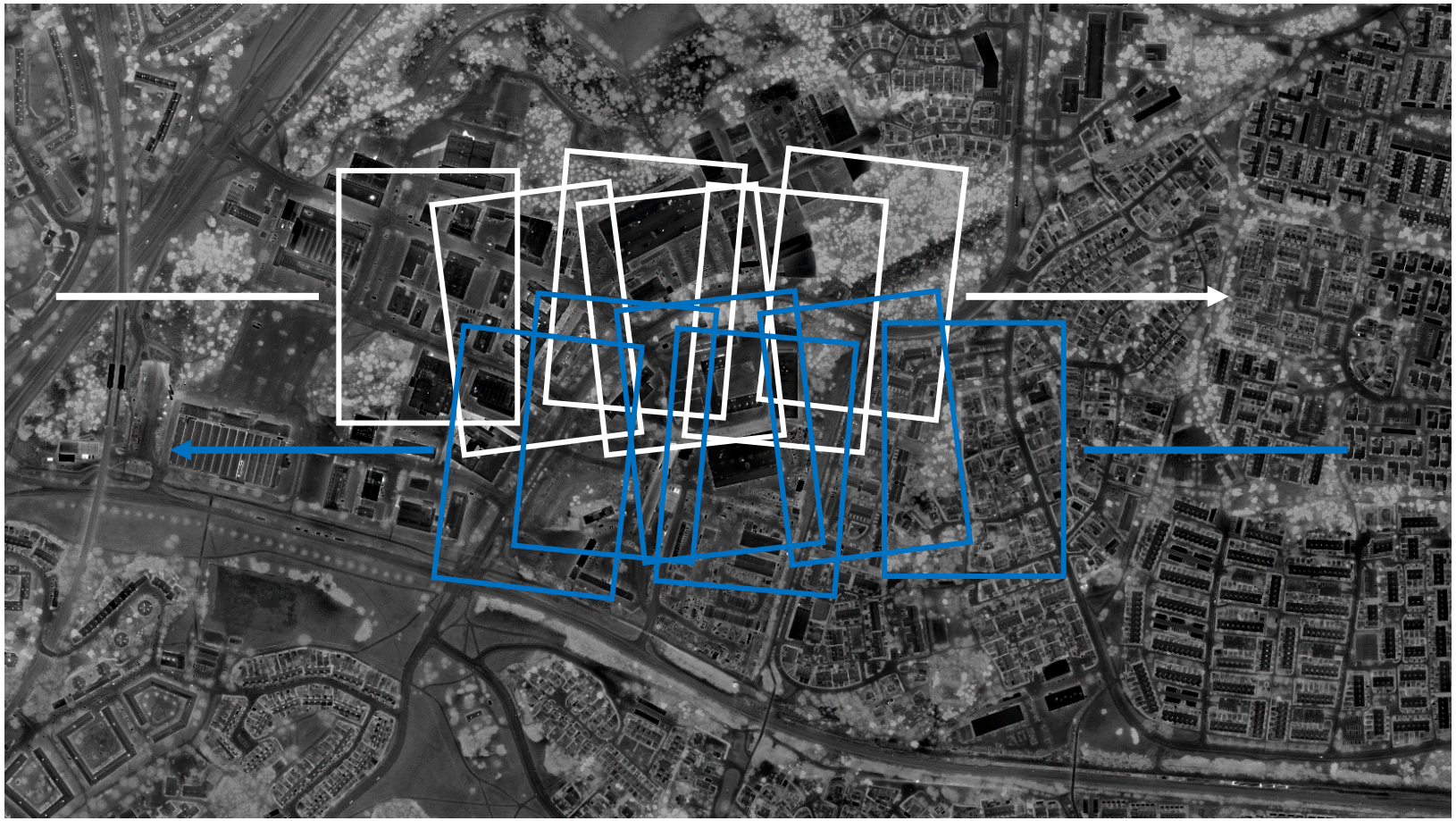
3. Merge the images



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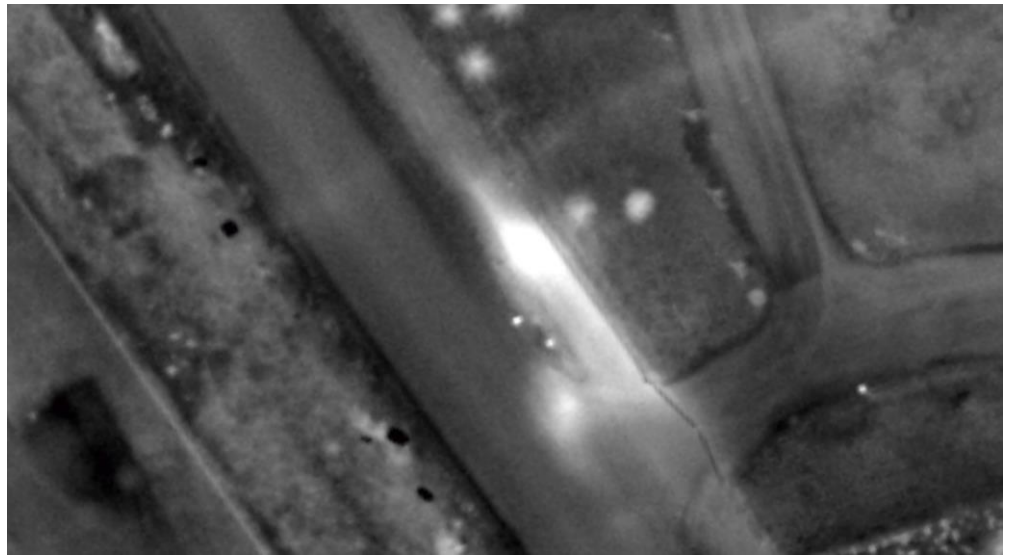
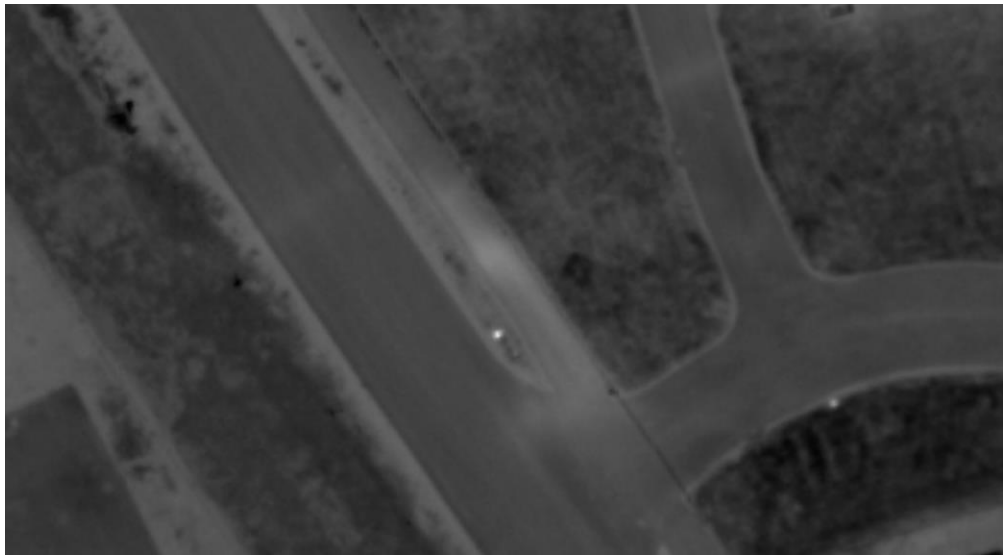
4. Noise depending on different conditions

- Trees
- Water
- Difference in temperature between different materials





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5. How to measure the correct temperature on the surface

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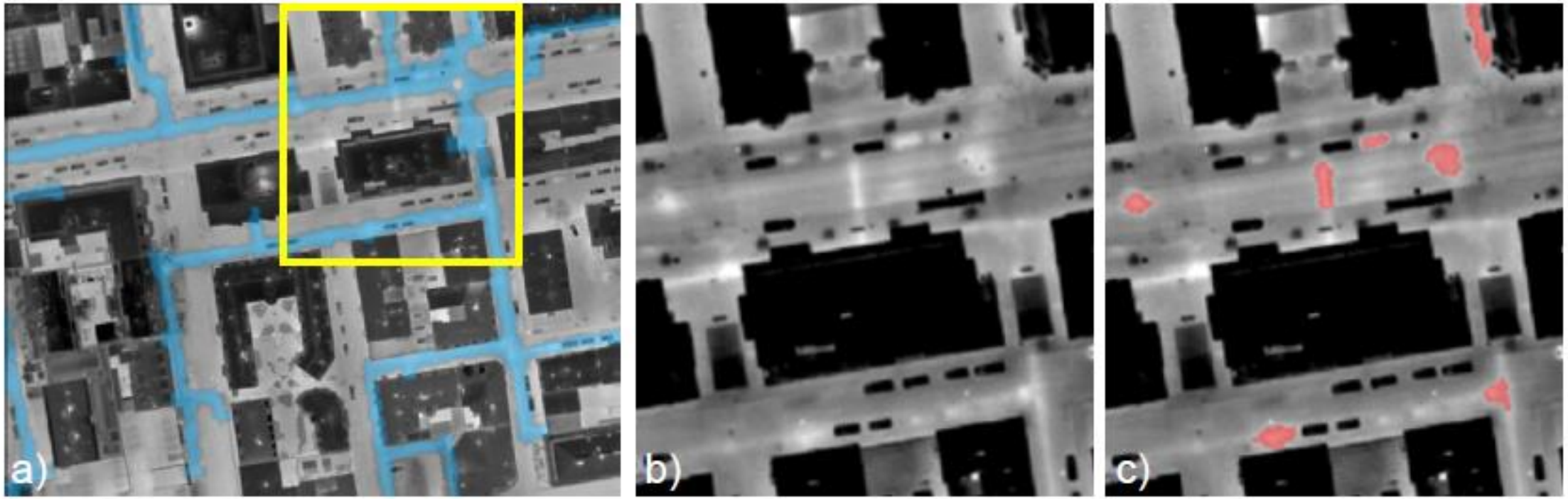
6. Finding hot spots



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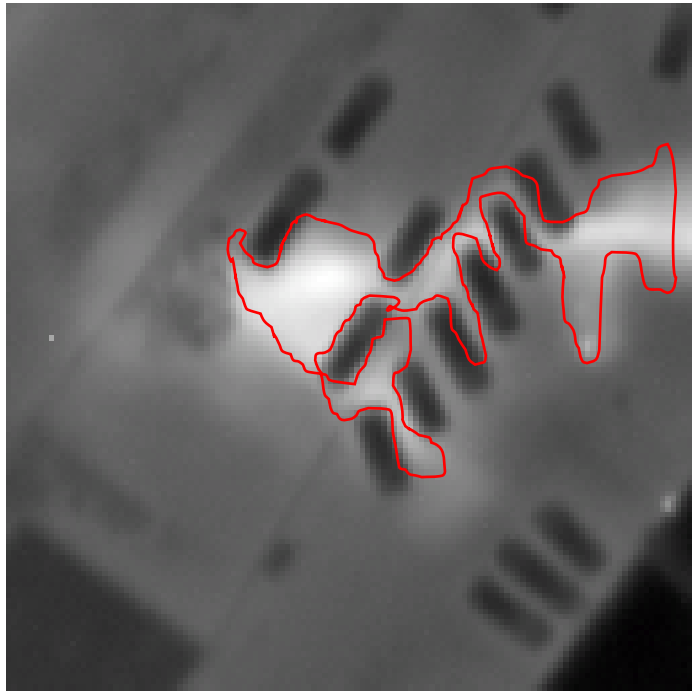
7. Classification

Car



Leak

Excavated pipes

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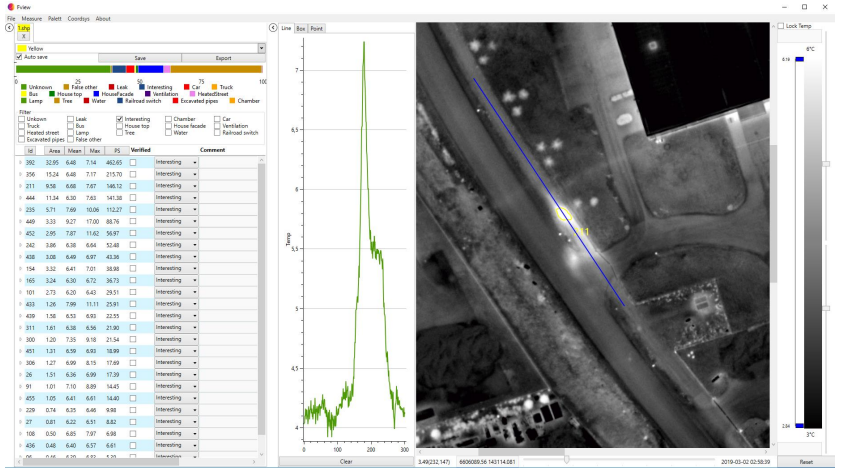
8. Visualisation

- Mosaik
- Classified hot spots with associated data



Termisk Systemteknik

Fview

File Measure Palett Coordsys About

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Unknown, False other, Leak, Interesting, Car, Truck, Bus, House top, HouseFacade, Ventilation, HeatedStreet, Lamp, Tree, Water, Railroad switch, Excavated pipes, Chamber

Filter

Unkown, Leak, Interesting, Chamber, Car, Truck, Bus, House top, House facade, Ventilation, Heated street, Lamp, Tree, Water, Railroad switch, Excavated pipes, False other

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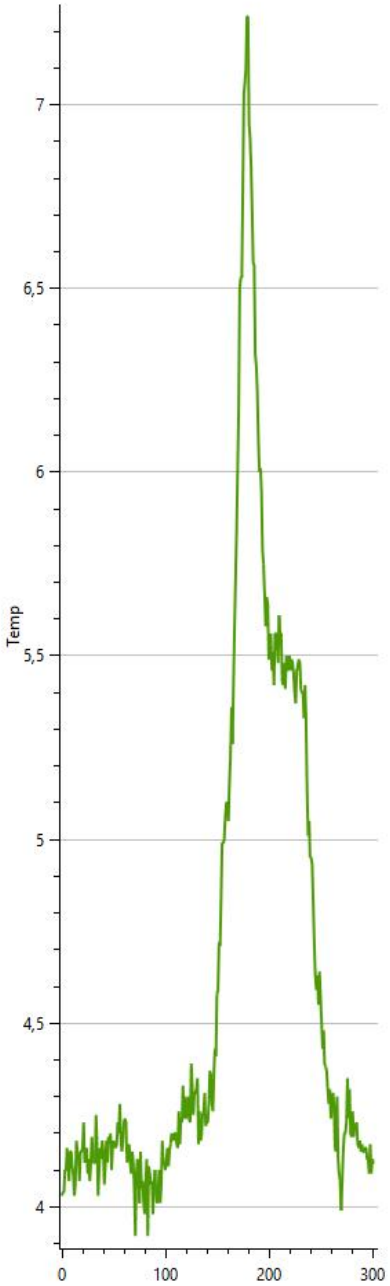
436	0.48	6.40	6.57	6.61		Interesting
06	0.46	6.30	6.83	5.30		Interesting

Line Box Point



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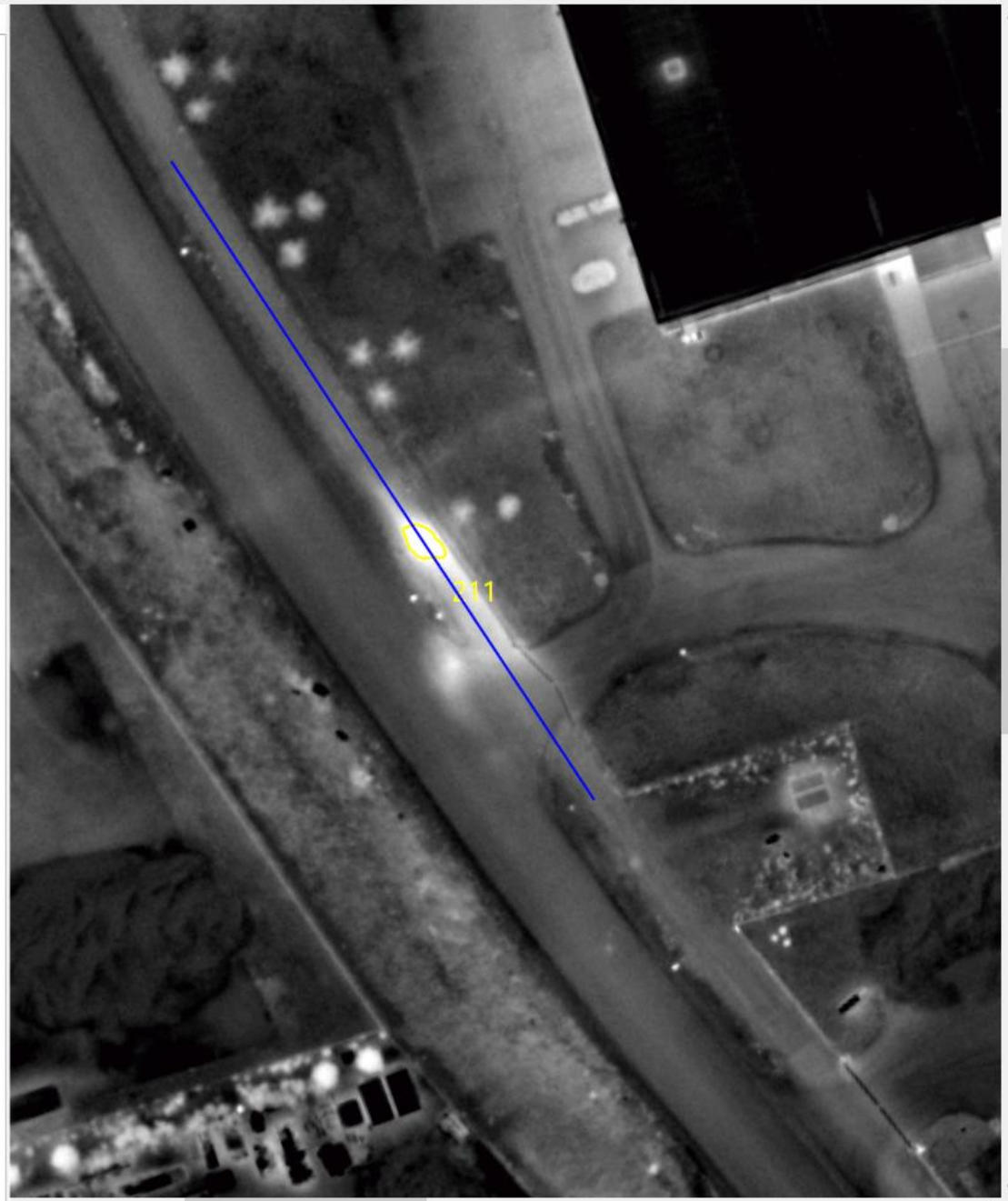

Lock Temp

6°C

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Reset

Fview

File Measure Palett Coordsys About

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Yellow

Auto save | Save | Export

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Unknown, False other, Leak, Interesting, Car, Truck, Bus, House top, HouseFacade, Ventilation, HeatedStreet, Lamp, Tree, Water, Railroad switch, Excavated pipes, Chamber

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Line Box Point

Temp

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Clear

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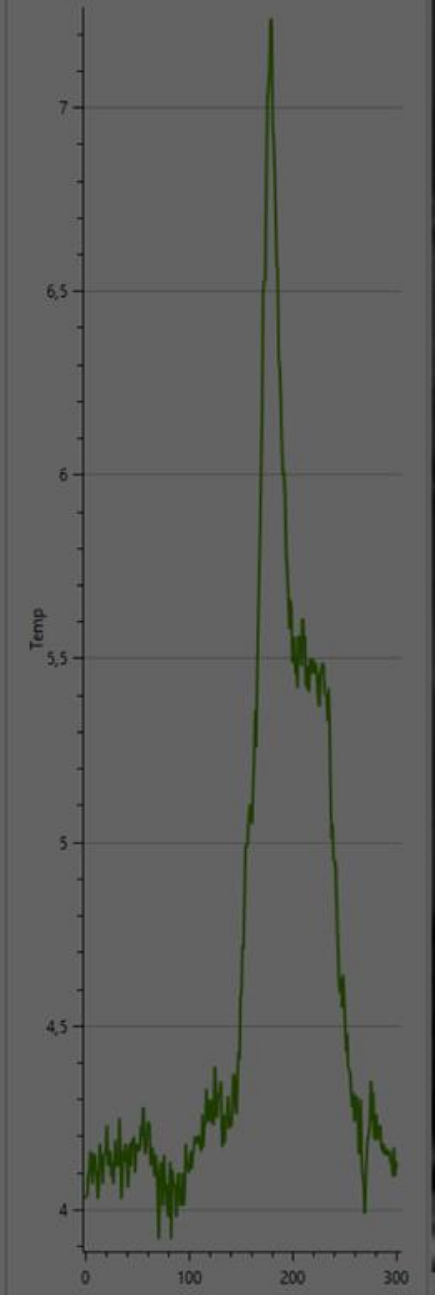

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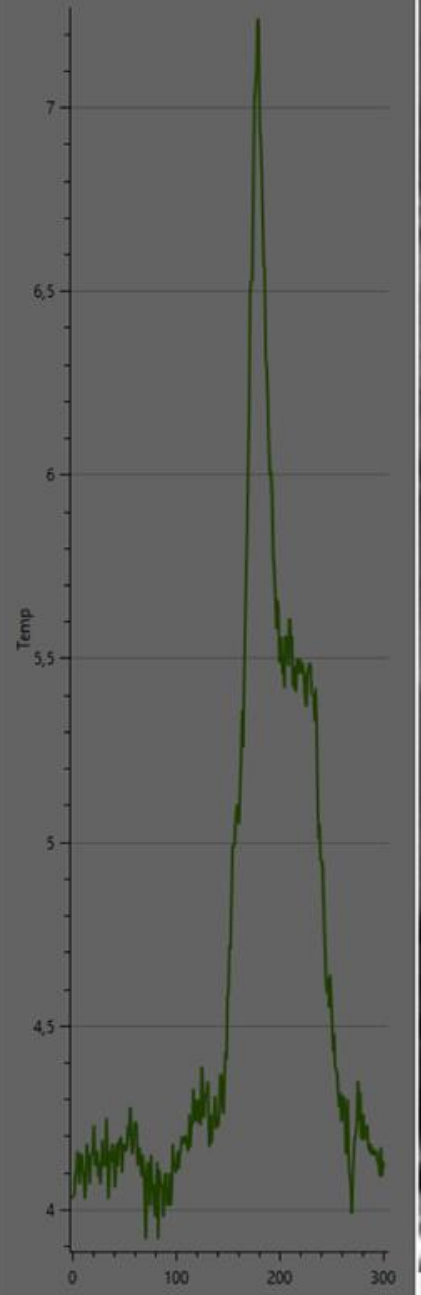

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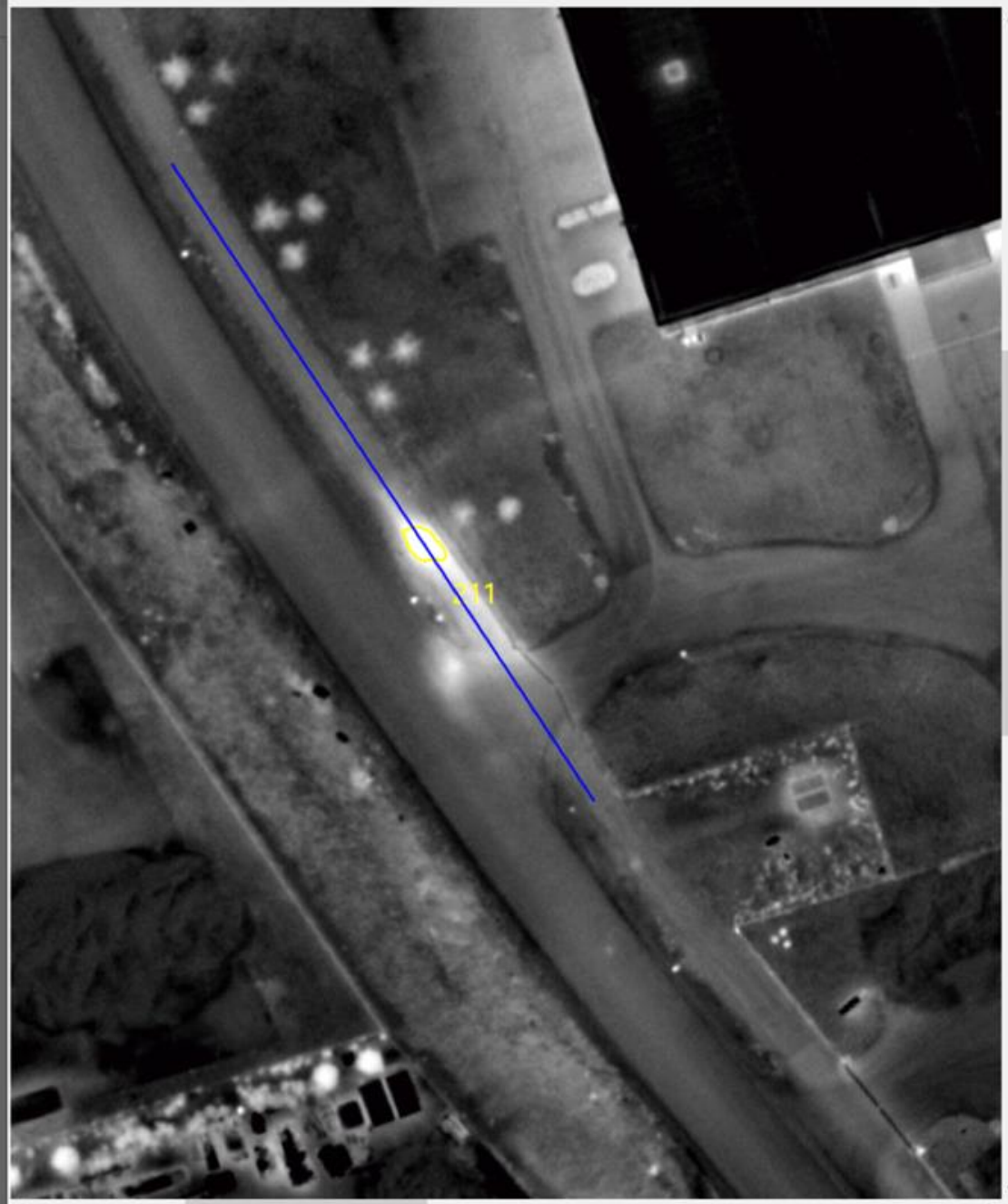

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Reset

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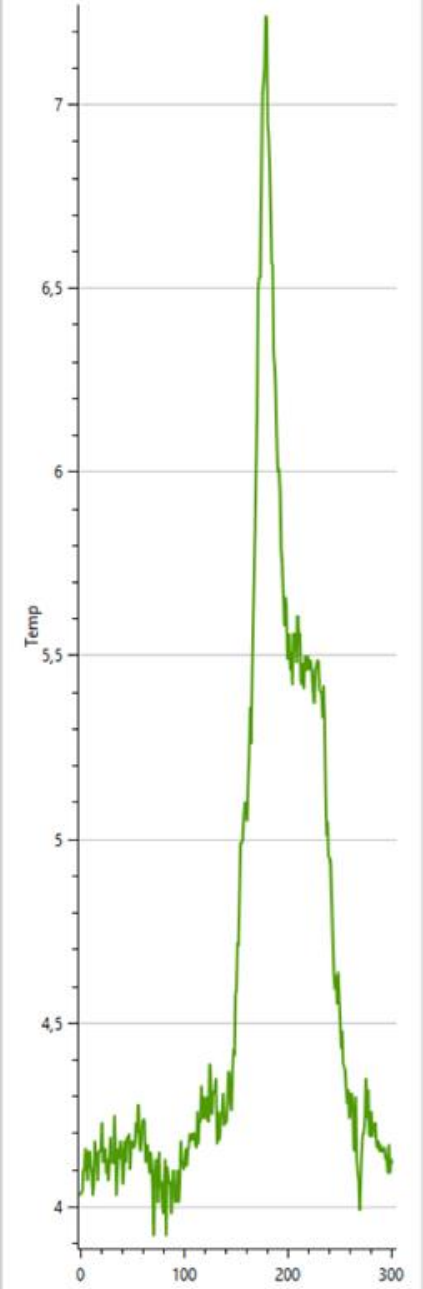
Line | Box | Point



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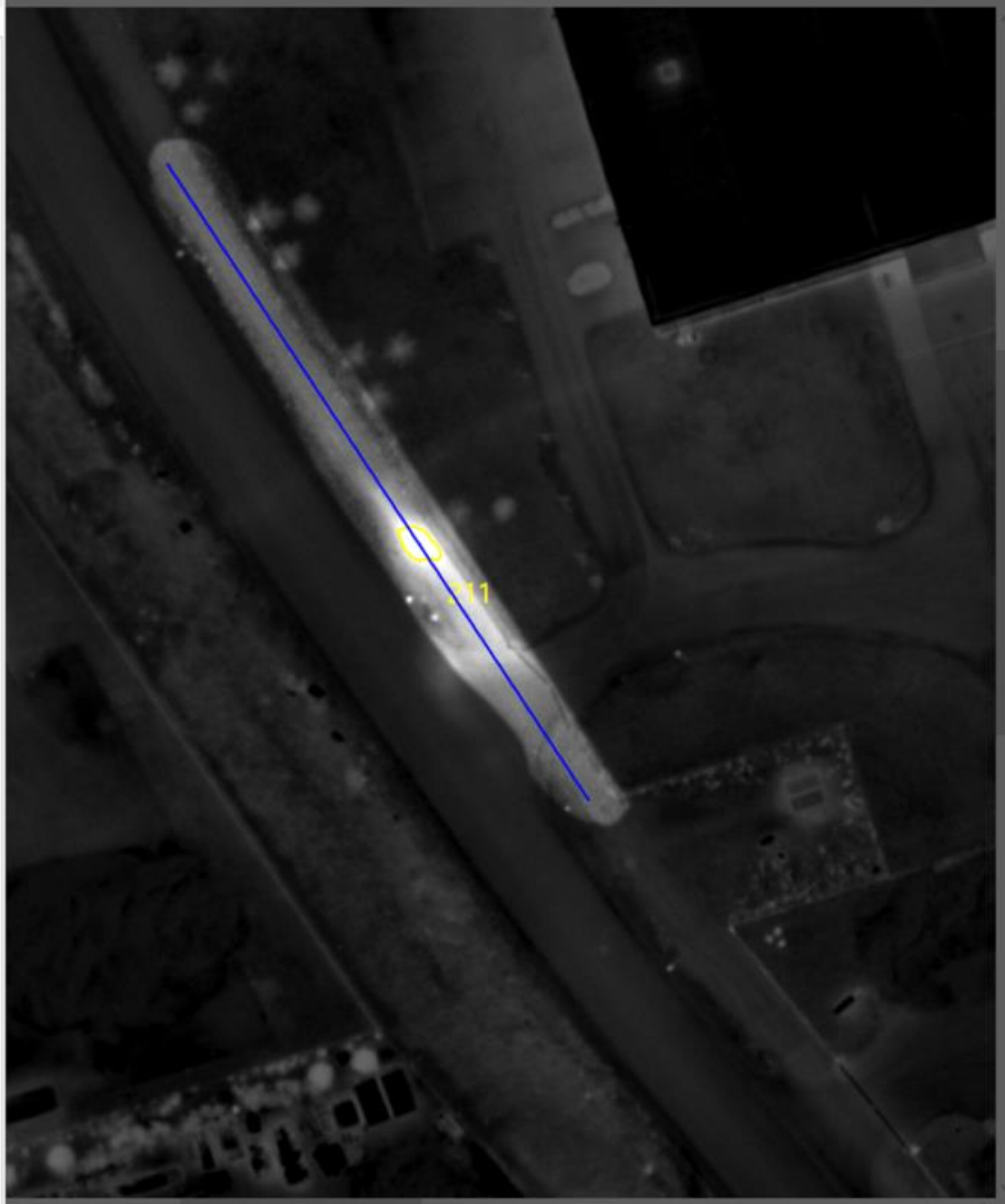

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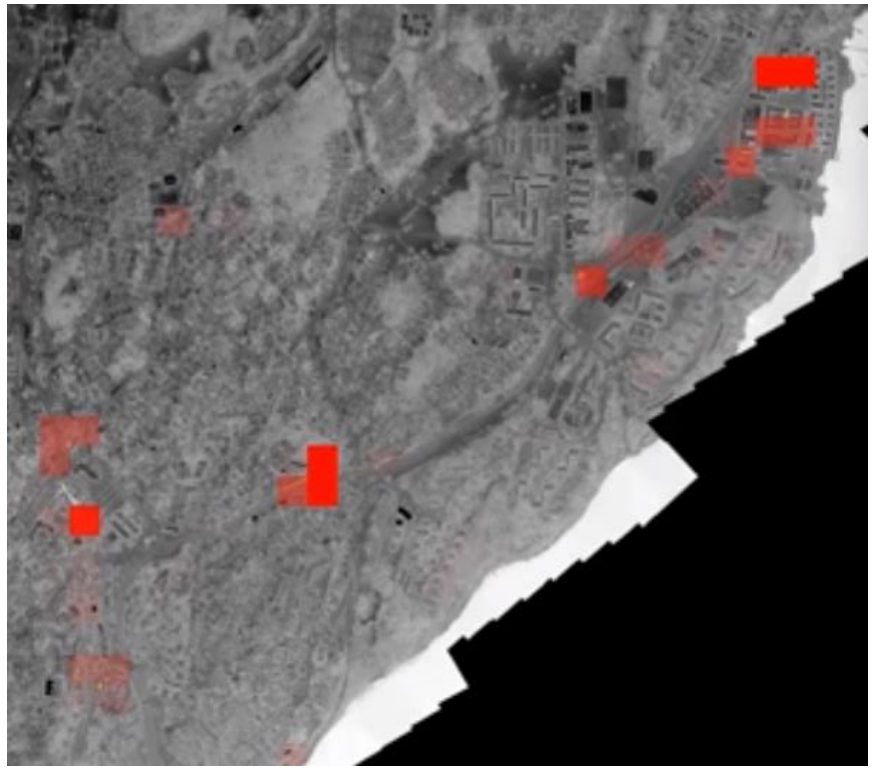
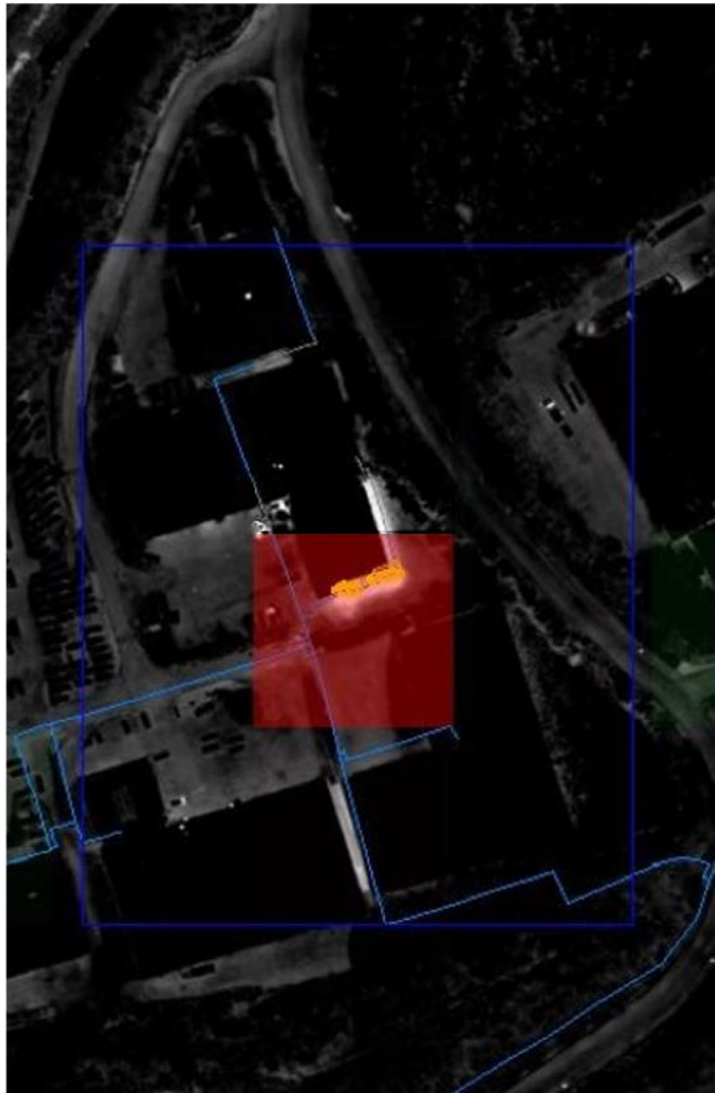
Reset

9. Comparison

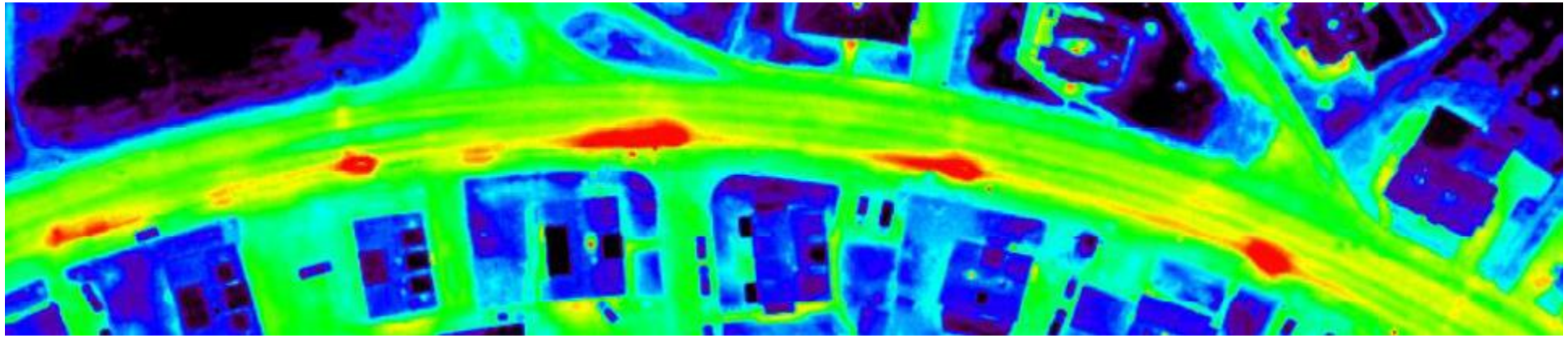




Termisk Systemteknik

10. Integrate with other systems

- GIS
- PG Monitoring System AB

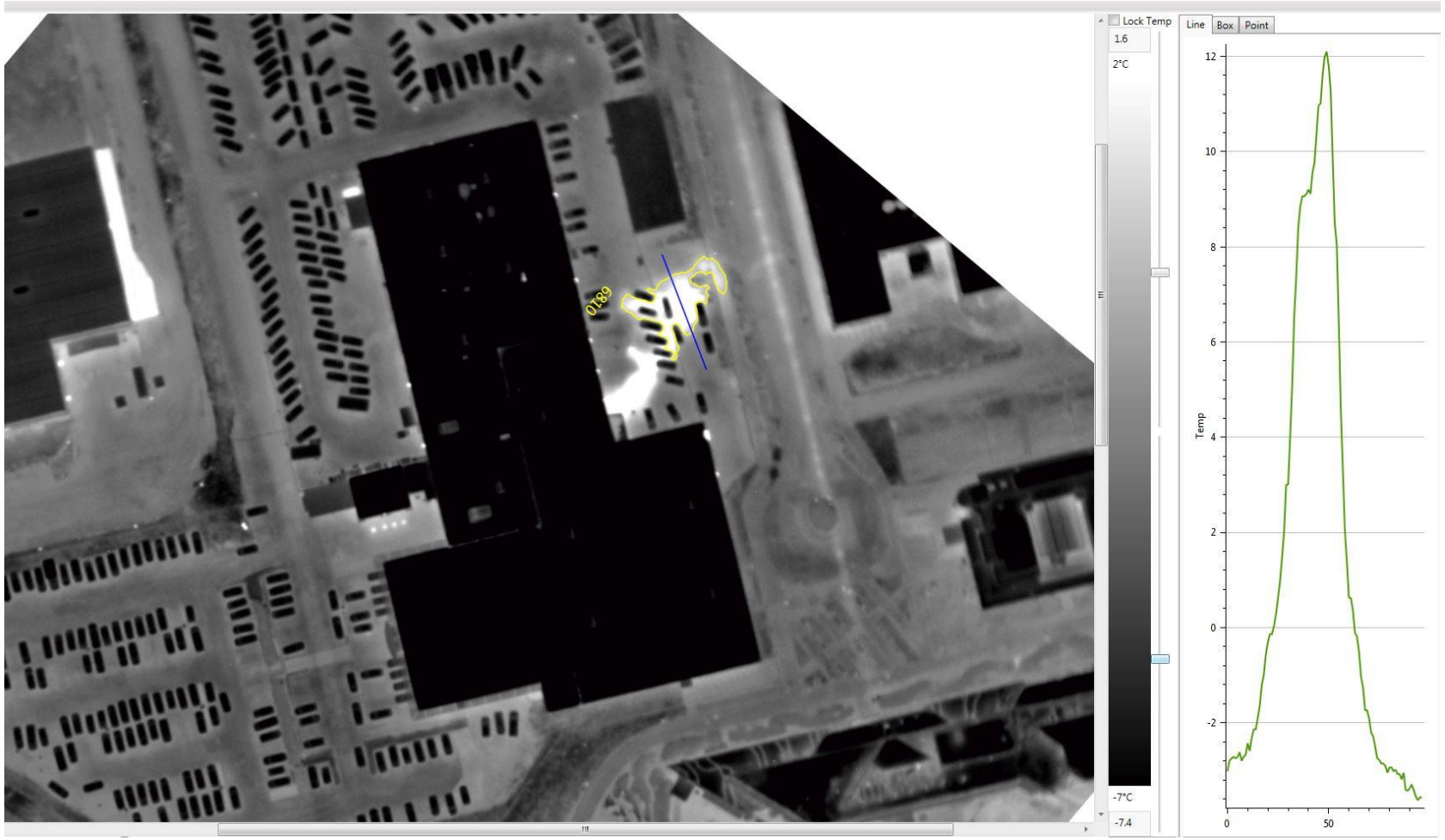


Termisk Systemteknik

Examples

Termisk Systemteknik

Examples



Termisk Systemteknik

Examples

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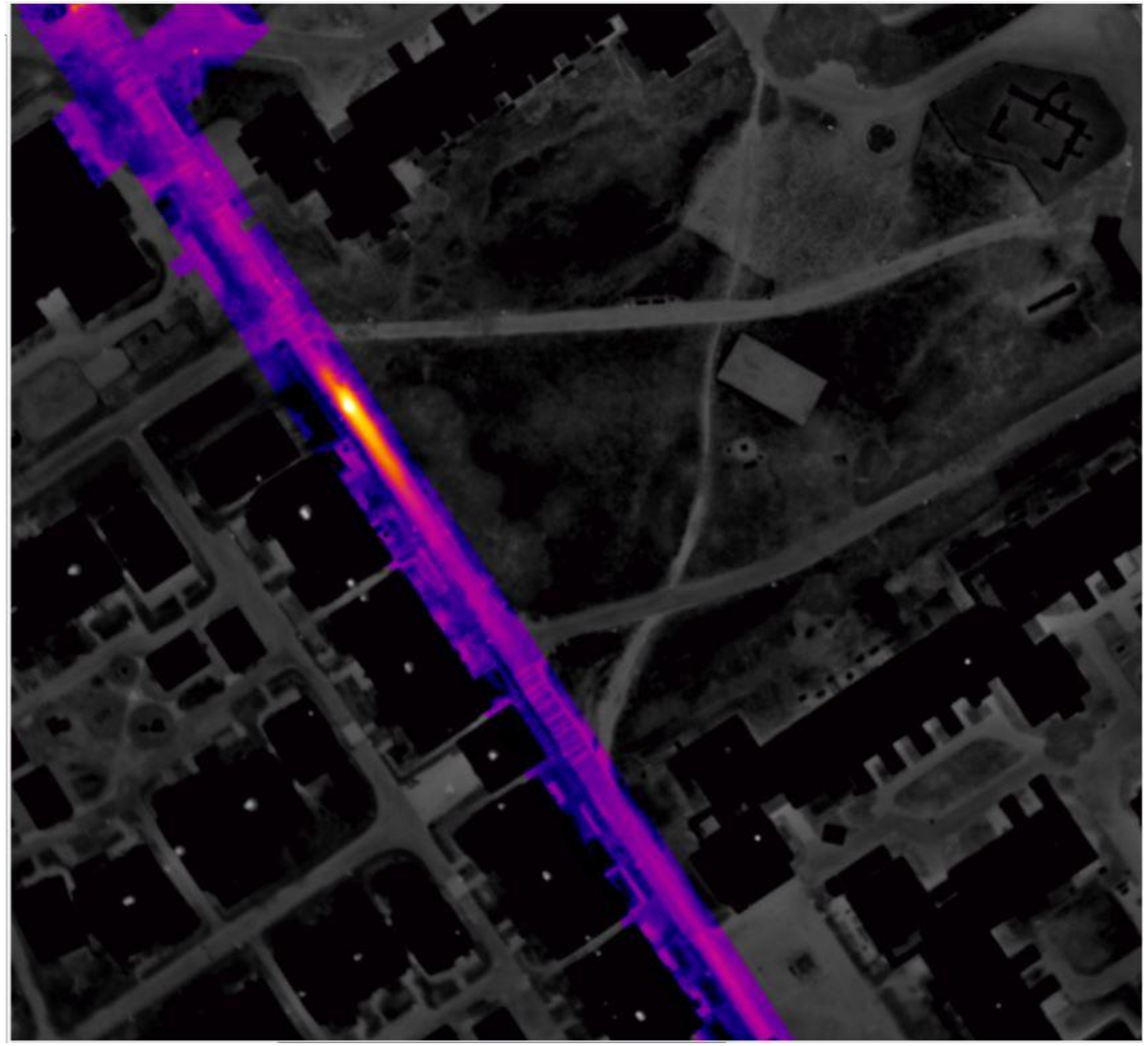

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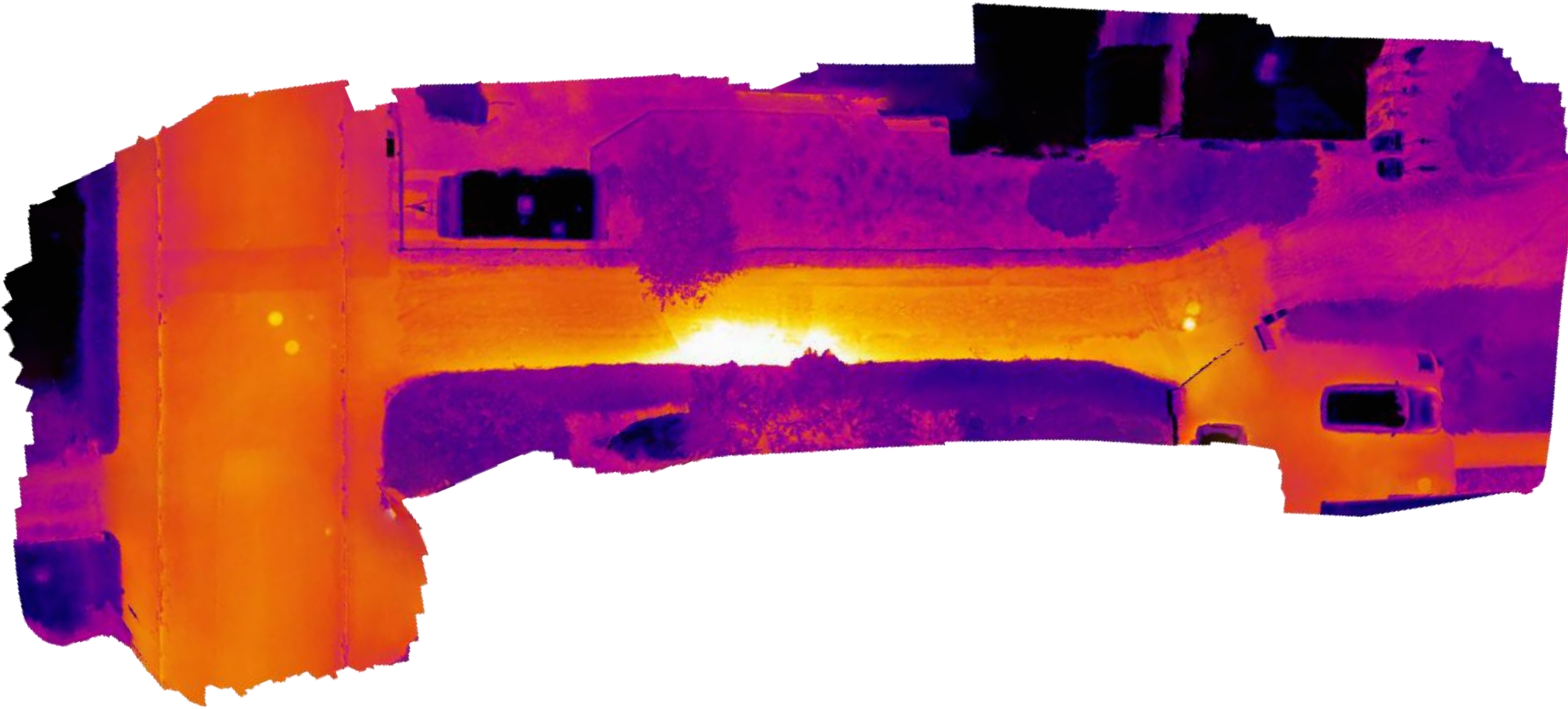

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Systemteknik