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Blackout Berlin Köpenick
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Case study

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What caused the blackout?

During bridge refurbishment two main power lines have been hit by a horizontal drilling machine.



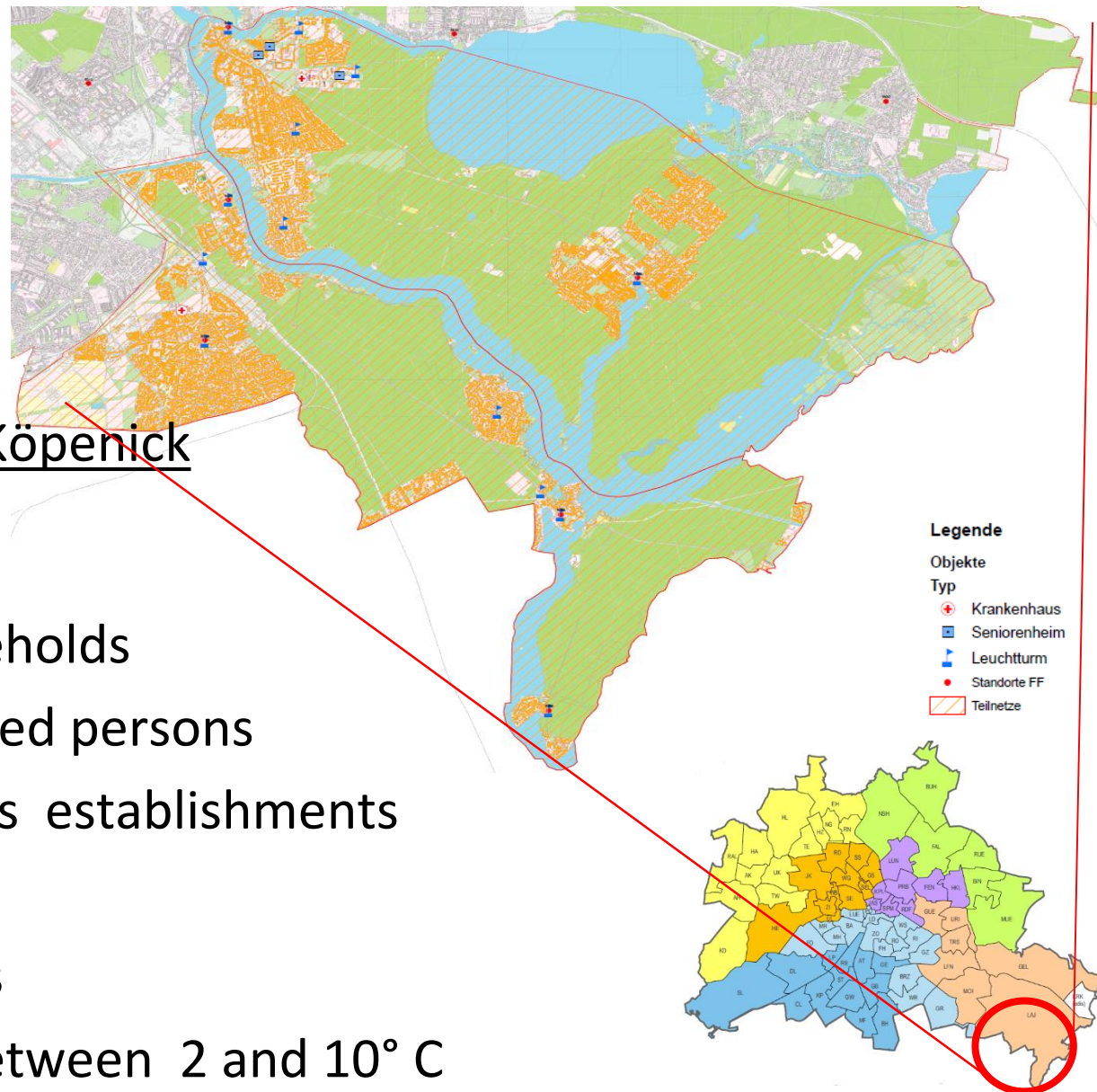
Quelle: Jörg Bergmann

Incident area

Borough Treptow/Köpenick

- Area 75 km²
- ca. 30.000 households
- ca. 70.000 affected persons
- ca. 2000 business establishments
- 2 hospitals
- 6 Nursing homes
- Temperature: between 2 and 10° C

Duration of blackout: > 31 h



Main challenges 1

- Securing ways for emergency calls
- Securing the communication for first responders
- Keeping the hospitals working
- Inform the affected population and give them advice
- Confine the boundaries of the affected area
- Reconnaissance in the affected area
- Establishing of Drop-in centres



Main challenges 2



- Emergency power and heating supply for Hospitals and nursing homes
- Emergency Inter hospital transfer of 23 intensive care patients
- Vulnerable patients
- Fire of mobile emergency power generator at a waste water pump station

What went well?

- Decision-maker from different stakeholders know each other
- Civil protection exercises have trained the emergency structures
- Rapid scale up of the command structure
- Emergency services are able to improvise
- Sending a leading emergency physician to reconnaissance the hospital
- Affected people without portable water has been helped quickly

What can be improved?

- Need for more mobile emergency power generators
- Fuel logistic system for emergency power generators
- Need for a civil defence central store
- Optimising the citizens capability to help themselves
- Contingency plan for vulnerable patients in organised housing
- Resources of the Emergency medical services are stretched to the limit on a daily basis

Any Questions?

Thank you very much for you attention!