

# ATES Zurich Airport

## Rolf Gisler

UTES Symposium Zurich  
6 October 2025



IEA Geothermal

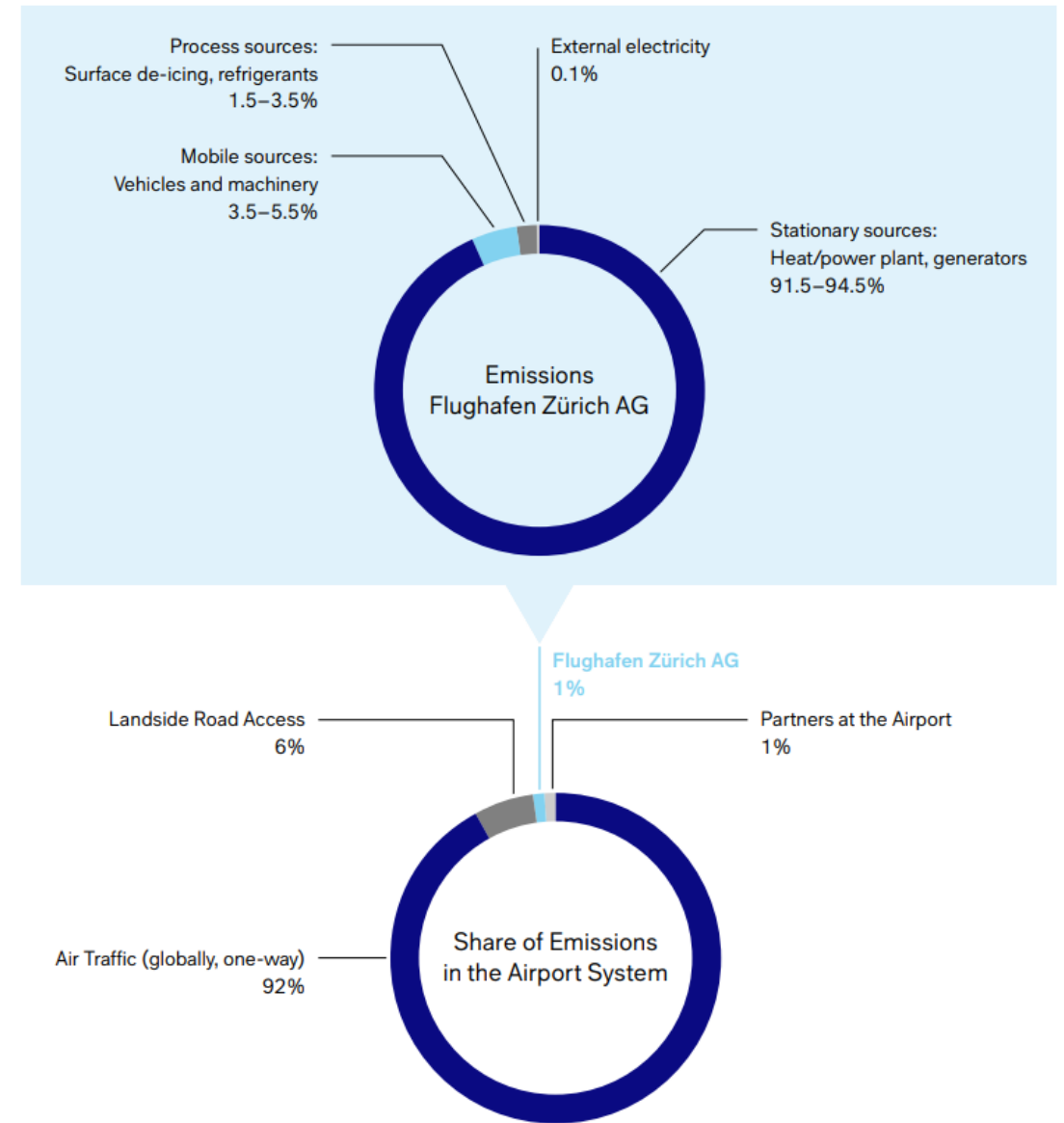
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# Our Ambition

- We reduce our own greenhouse gas emissions in Scopes 1 & 2 to net zero by 2040 without offset reductions.



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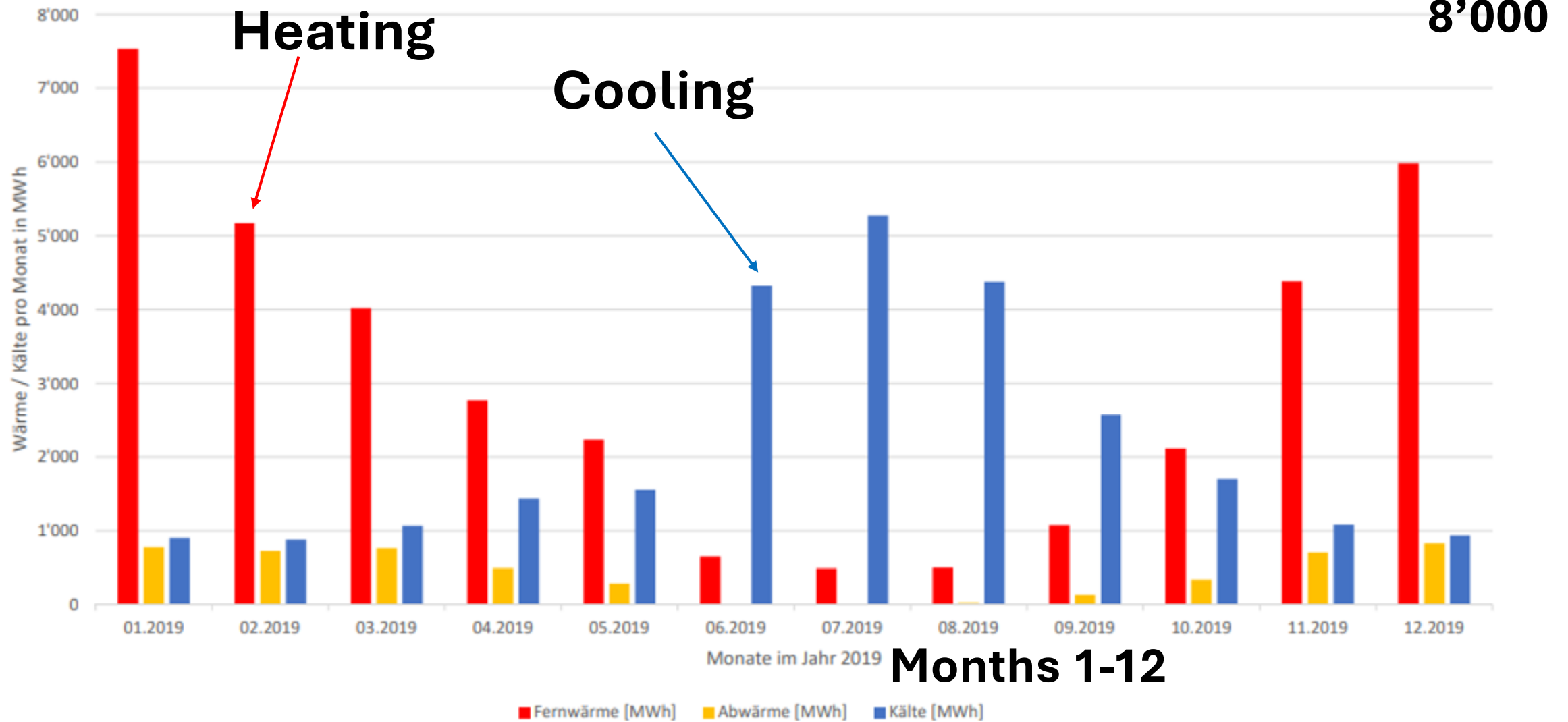
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«Storage is key!»

MWh



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«Storage is key!»

# Geological Aquifer

Exploration and utilization of the seasonal aquifer storage is organized into 5 phases:

Phase 0: Geological studies

Phase 1: Geophysical exploration: Seismic tests

Phase 2: Exploratory drilling: Stratification, site selection

**Phase 3: Borehole: Tests, capacities, performance**

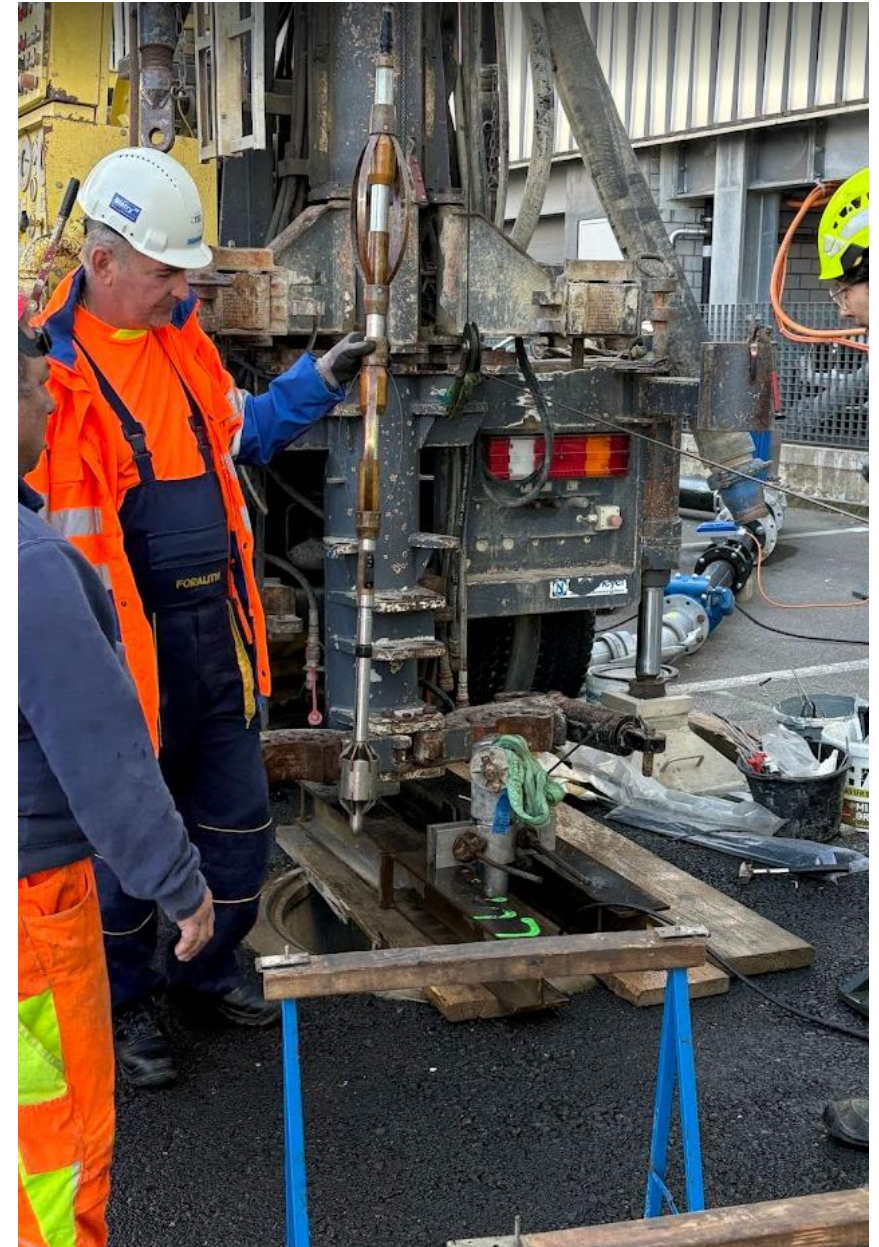
Phase 4: Activation: Construction, permits, monitoring



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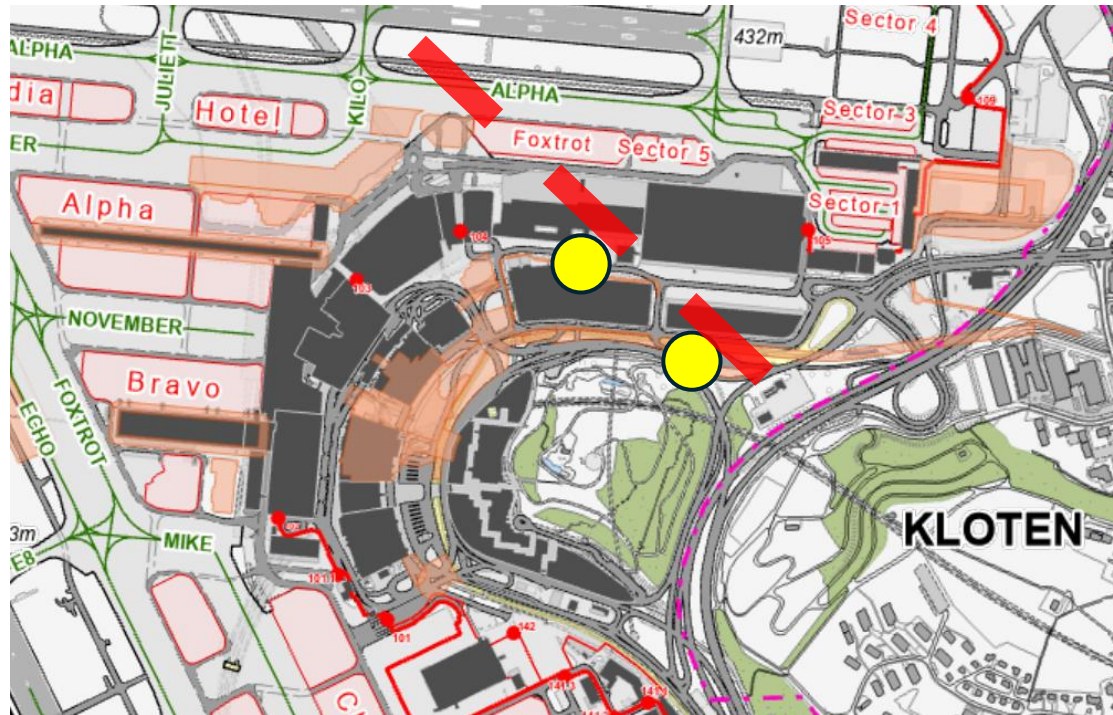
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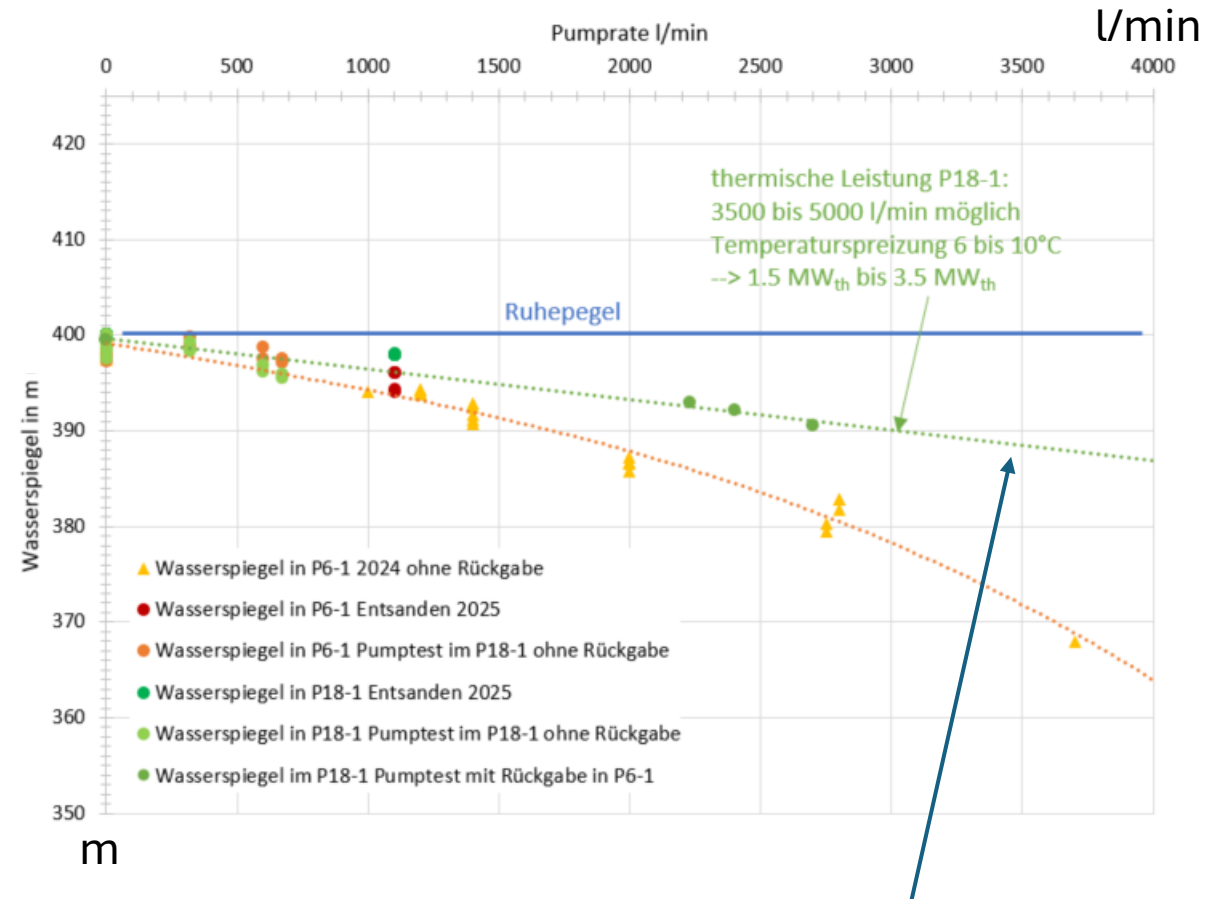


# Phase 3: Tests



## Well Capacity vs. Drawdown

Brunnenleistung vs. Absenkung



Closed loop via aquifer



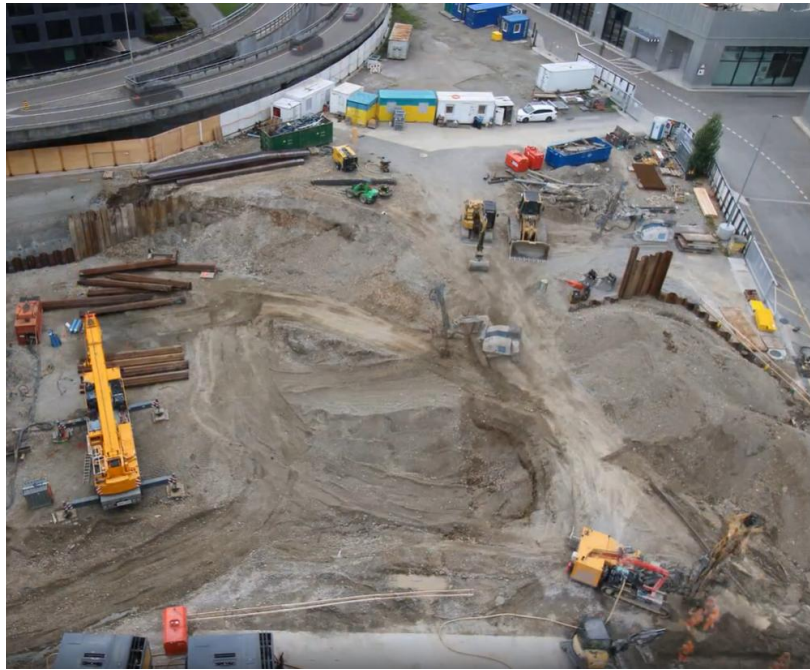
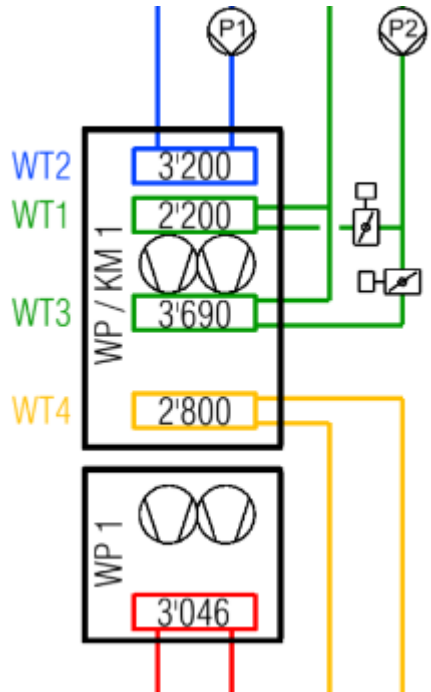
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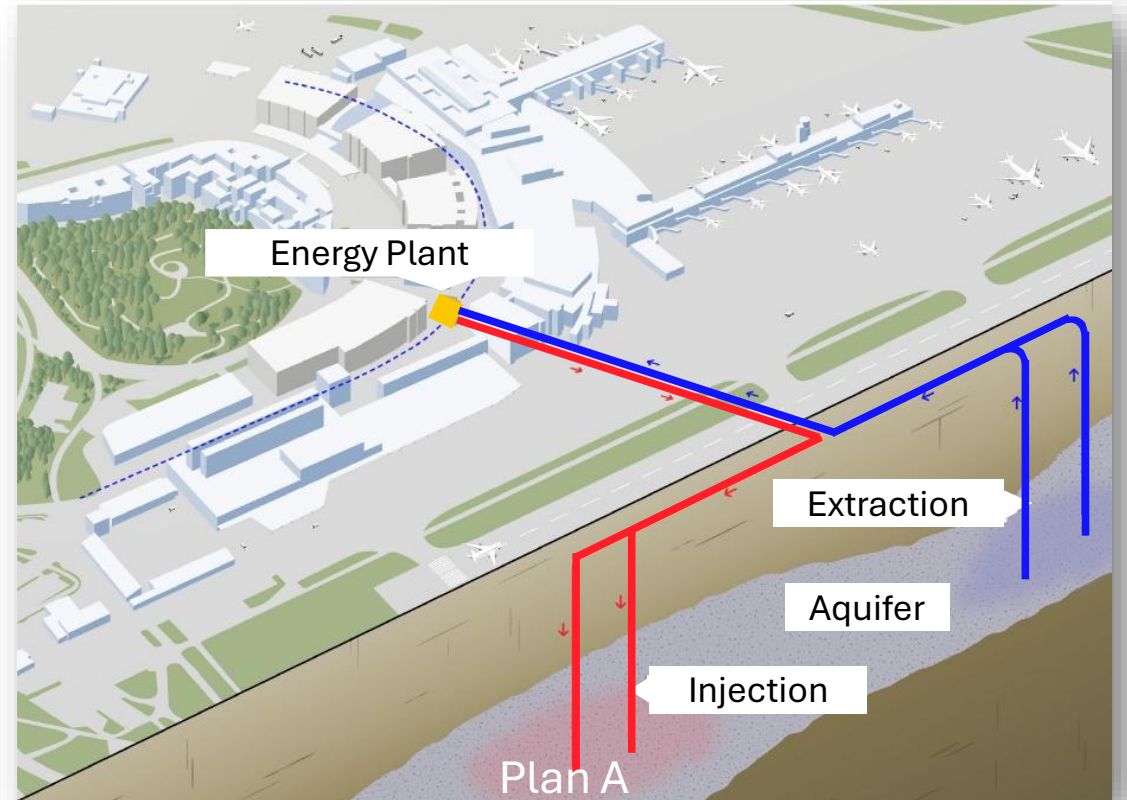
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# Phase 4: Activation



New Energy Plant «E10»



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«Storage is key!»



# Thank you

- Budget for Exploration / Tests: TCHF 3'880
  - If successful, the wells can be used for productive operation
- This project is supported by the pilot and demonstration program of the Swiss Federal Office of Energy (SFOE).



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— «Storage is key!» —

