



From data to solutions • Subsurface Evaluations • Laboratory Services • Recruitment Services

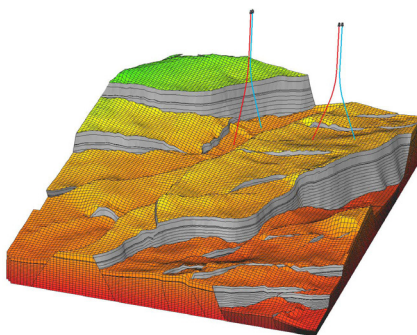
## Geothermal Energy

### Services we provide:

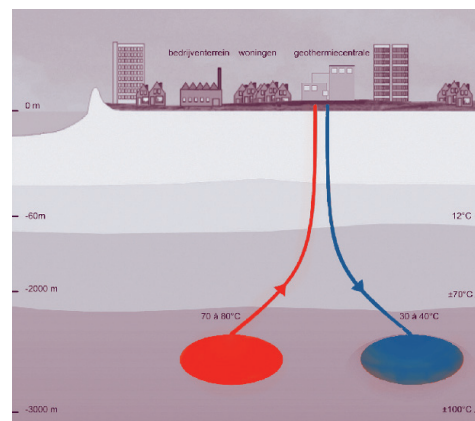
- Quickscans
  - Short studies that provide a general overview of the subsurface and its suitability for geothermal projects
- Detailed geological investigations
  - Detailed mapping of the subsurface
  - Reservoir characterization
  - Reservoir simulation
  - Flowrate and geothermal power calculations
  - Risk assessment
- Well proposals
- Operational support during drilling of geothermal wells
- Operational support after drilling
  - Well test design
  - Well test interpretation
  - Sampling of geothermal water
  - Determination of the gas-water ratio
  - Determination of the composition of the formation water and the (dissolved) gas
  - Determination of the water saturation pressure

Geothermal energy is a cost effective, reliable, sustainable and environmentally friendly source of power. In combination with recent technological advances, this has dramatically expanded viable resources, resulting in an ever-growing demand.

In spite of the very different business environments, the subsurface geological and technological challenges of the oil and gas industry and "green" geothermal projects are very similar. Most PanTerra senior staff have over 25 years experience in the international oil and gas industry, which therefore puts us in a unique position to deliver top-quality subsurface evaluations and technical advice. We are the experts regarding the geological uncertainties related to geothermal projects, and we therefore provide you with data and tools to minimise business risks for geothermal investments.



Depth and temperature model of aquifer



Geothermal doublet

### Why choose PanTerra for your geothermal project?

- Best-in-industry subsurface evaluations, carried out by expert staff
- Reliable prediction of critical geological parameters
- Mitigation of potential risk and uncertainty
- Fit-for-purpose reporting style
- Client-friendly attitude
- 5 successful geothermal doublets
- Assisted with 4 other geothermal doublets

