Donnerstag, 26. Februar 2026, 11.50 Uhr
Ortenauhalle Kongress 1
Tiefe Geothermie

Thursday, 26 February 2026, 11.50 am
Ortenauhalle Congress 1
Deep geothermal energy

Success factors for the realisation of Geothermal Projects in the Netherland

Erfolgsfaktoren für die Realisierung von Geothermieprojekten in den Niederlanden

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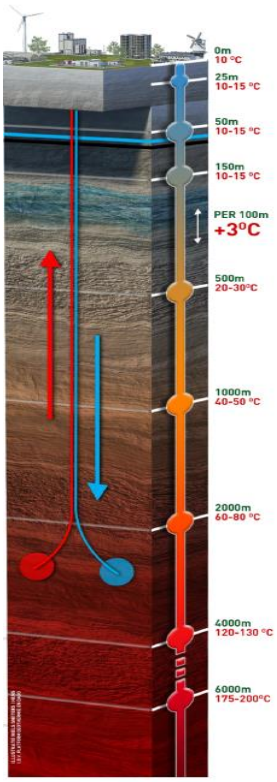
There are currently around 30 operational geothermal "doublets" in the Netherlands, consisting of an injector and a producer. These projects primarily provide heat for greenhouse horticulture, with some also supplying heat to homes and buildings.

The Dutch geothermal sector is experiencing significant growth, approximately 23 installations collectively produced 7.49 PJ of geothermal energy in 2024, and three new installations became operational.



The factors that enable Geothermal projects in the Netherlands are the following:

- Heat supply: Subsurface resources delivering the geothermal power - from clastic reservoirs

- Heat demand: availability of customers

- Publicly available data: the Dutch Technical advisor to the regulator, TNO, maintains active websites with the well logs, seismic data, core reports on all mining activities including oil and gas and geothermal wells

- New data availability: The State Energy Company EBN is drilling several Geothermal exploration wells and has acquired and interpreted hundreds of 2D seismic lines, called the SCAN programme, expecially to evaluate Geothermal reservoirs - which will be publicly available.

- Transparency: all mining license documents are public

- Tools: TNO has made standard tools available, like doublet calc for calculation of geothermal power

- Process: The license award process is clear and standardized

- Financial incentives: Geothermal projects can apply for an SDE++ subsidy through the above standardized process as part of the license applications

The Dutch government has ambitious goals for geothermal energy, aiming for 15 PJ of production by 2030. There could be 53 operational installations by 2030 with the realization of the SDE++ projects, that applied for subsidy.

In the presentation the success factors will be discussed in more details - with examples of work that PanTerra performed - in addition PanTerra is also involved in the work on the SCAN exploration wells, which is the topic of another presentation in this conference.