

**Getting the most out of your Geothermal System**

**Well Interventions**

**Corrosion & Scaling Control**

**Data Monitoring & System Optimization**

**HSE Management Support & Compliance**



## **The specialist in supporting Geothermal Operators**

**GST is your partner for optimal exploitation of geothermal systems**

Geothermal Service Team is part of Well Engineering Partners (WEP)

Solution Mining | Geothermal Energy | Oil & Gas | New Technology



# Optimizing the Performance of your Geothermal System

**Suppliers of geothermal heat are being confronted with increasing legislative pressure, well monitoring requirements and expensive well interventions.**

GST lets Geothermal Operators focus on their core business by taking part of the hassle away, and makes extraction of geothermal heat more economic, by means of an active monitoring program, preventive maintenance, efficient well interventions and HSE compliance.

GST is a division of Well Engineering Partners (WEP) and can lean on its in-depth knowledge and long experience with regards to deep geothermal systems.

GST offers its services as a modular subscription. The modular building blocks can be adapted to the needs of an individual operator.

Are you interested in how GST can help you grow your geothermal business? We look forward to coming into contact with you to discuss the possibilities.



**Our focus:**

**Getting the most out of your geothermal system**

**Efficient Well Interventions**

**Forming a reliable partner**

## SUBSCRIPTION MODULES



### Basic Support

In regular contact we assist with relevant knowledge and a structured and hands-on approach, making us an excellent partner.

- Monthly meetings and regular site visits ensure we are up to date with your operation
- Structured planning of installation maintenance and HSE system actions
- Monthly and annual Reporting



### Analysis of Production KPI

Production data and ESP data are combined into clear graphs and Key Performance Indicators.

- Structured analysis of trends and deviations on a regular basis, done by a team of ESP, reservoir and well specialists.
- Highlight subtle changes in productivity, injectivity, ESP condition
- Recognize problems in an early stage, allowing timely planning of a remedy
- Monitoring of induced seismicity to optimise injection flowrates



### Formation Water & Gas Analysis

Lower cost through bundling

- Taking gas and water samples
- Lab analysis
- Studies: Corrosion or scaling potential and microbiological analysis



### Corrosion and Scaling Control

- Coupon analysis
- Completely independent
- Optimization of inhibitor dosing



### Preparing Well Interventions

Frequent well repairs are prepared ahead of time:

- ESP change-outs, scab liner installations
- Standardizing operations: efficient and cost effective
- Permits



### Lean-and-mean Well Interventions

Broad experience with ESP change-outs and scab liner installations.

- Standardizing operations
- Minimizing head count
- Documentation prepared ahead of time



### HSE-System Support

As an extra service, GST can assist in setting up and implementing a HSE management system and a well integrity management system. The standard subscription module focuses on the yearly maintenance, including:

- Yearly update of HSE management system and well integrity management
- Audits
- Management reviews



### Wellhead & X-mas tree valve maintenance

- Yearly check of wellheads and valves
- Leak test
- Maintenance