

# Geothermal Power Industry

**Water Treatment Solutions  
for Efficient and Reliable Power Generation**



- Efficiency and Profitability Improvements
- System Reliability and Asset Protection
- Environmental, Health and Safety Compliance

# Addressing the Needs of Geothermal Power Plants

Over the course of more than 100 years, Solenis has developed a state-of-the-art product portfolio for the geothermal power industry and has earned a reputation for delivering innovative water treatment solutions that address customer needs. Whether you operate a dry- or flash-steam facility or a binary power plant, we can help you improve your operational efficiency, protect your plant assets and minimize your environmental impact so you can continue to produce an uninterrupted supply of clean and affordable energy.



## Water Treatment Solutions

At Solenis, our water treatment programs are custom tailored to meet each customer's specific requirements and employ a variety of innovative technologies. Our solutions for geothermal power plants include a range of advanced chemical treatments specifically designed for use in geothermal applications and a suite of proprietary monitoring and control systems.

CUSTOMER NEEDS	SOLENIS WATER TREATMENT SOLUTIONS	BENEFITS
Efficiency and Profitability Improvements	Biosperse™ Microbiocides GeoSol™ Corrosion Inhibitors	<ul style="list-style-type: none"><li>• Increased power generation</li><li>• Reduced operating costs</li><li>• Reduced maintenance costs</li></ul>
System Reliability and Asset Protection	GeoSol™ Scale Inhibitors GeoSol™ Scale Removers	<ul style="list-style-type: none"><li>• Improved equipment performance</li><li>• Reduced downtime for outages</li><li>• Extended equipment life</li></ul>
Environmental, Health and Safety Compliance	GeoSol™ Sulfur Dispersants OnGuard™ Monitoring and Control Systems	<ul style="list-style-type: none"><li>• Reduced environmental impact</li><li>• Reduced chemical handling risks</li><li>• Regulatory compliance</li></ul>

## Knowledge and Applications Expertise

Solenis is committed to helping geothermal power plant operators increase power generation, improve system reliability and maintain regulatory compliance. Achieving these goals requires innovative chemistries and instrumentation. However, most importantly, it requires extensive knowledge, not only of geothermal power generation in general but also of the specific needs and unique operating conditions of an individual plant.

Working side by side with your plant personnel, your Solenis field representative becomes familiar with your operation and applies this knowledge to design a total system approach tailored to your specific needs. Supporting your sales representative is a dedicated team of applications specialists who are knowledgeable in chemistry, engineering, microbiology, and steam and brine treatment. These applications experts troubleshoot any problems and specify best practices.

Armed with the right chemical treatments and a complete understanding of your process, our field representatives and applications specialists are uniquely positioned to help you establish new benchmarks for your operation. Whether your objective is to improve generation efficiency, to ensure system reliability or to reduce costs, you can count on our team to provide a cost-effective solution that meets or exceeds your needs.

## More Information

To learn more, contact your local Solenis field representative or visit us online at [solenis.com/geothermal](http://solenis.com/geothermal).

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