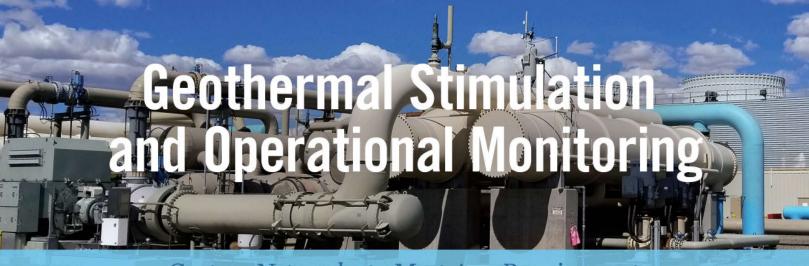
# The ISTI ADVANTAGE

**Geothermal Induced Seismicity Monitoring Services** 

Real-Time Decision Support Know as you go!





## Custom Networks to Meet Any Requirements

#### **COUNT ON ISTI FOR:**

#### **Geothermal Well Monitoring Operations Driven Approach**

- Meet hazard monitoring requirements
- Continuous monitoring of both private well array and state or USGS systems
- Dual use potential-induced seismicity and potentially operational monitoring from a single system depending on network design and site conditions
- Automatic Alerting thresholds by magnitude, location and/or depth

#### The ISTI ADVANTAGE Monitoring System

- Real-time event detail available on your private ISTI ADVANTAGE web portal instance and by API for easy in-house GIS or Dashboard System Integration
- Real-time seismic catalog updates
- Service-level agreements tailored to operational requirements

#### State-of-the-Art Processing Techniques

- Optimized processing system proven to detect well scale-Induced Seismicity
- Advanced processing techniques, including double difference, template matching, and machine learning.
- Event review by experienced analysts
- Automatic ShakeMap generation and ground motion analysis

#### Instrumentation

- Seismometer performance optimization keep costs down
- Proven track record for reliability
- Near Surface, shallow borehole, deep borehole options
- Expensive broadband sensors are not required

#### **Scientific Expertise**

- Seismologists with significant operational experience
- Network design and velocity model creation
- Consulting PhD seismologists for design and advanced data interpretation
- Custom Software Development

ISTI installs seismic stations, including autonomous solar power, real-time wireless telemetry, digitizers, and seismic sensors. Look to ISTI for a turnkey solution.

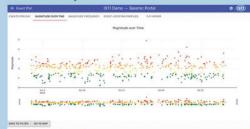
#### **ISTI ADVANTAGE PORTAL EXAMPLE VIEWS:**



**ADVANTAGE** Web Portal Homepage



**Events Per Day** 



#### Magnitude Over Time

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