

# GLOBAL GEOTHERMAL ENERGY SUMMIT 2013

STUTTGART, GERMANY 11TH – 12TH SEPTEMBER

Driving Forward the Utilization of Geothermal Energy

## Key Topics Include

- Global Geothermal Energy Developments
- Geothermal Market Place: Potential & Predictions
- Barriers to Global Geothermal Growth
- Financing Geothermal Projects
- Energy Production: Case Study Examples
- Exploration: Improved Methods & Industry Examples
- Drilling Methods and Testing
- Reservoir Management and Power Plant Monitoring
- R&D in Future Geothermal Technologies

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Sponsorship & Commercial Opportunities:

If you would like to raise your companies profile at the event and become a sponsor, please contact:  
Mark Thomas Email: [mthomas@acieu.net](mailto:mthomas@acieu.net) Phone: +44 (0) 207 981 2505



ACI's Global Geothermal Energy Summit 2013 will once again bring together senior executives and experts from power producers, technology providers, exploration companies and leading service providers to discuss the latest challenges and developments making an impact on the industry.

The 2012 event took place in Reykjavik, Iceland and brought together industry professionals from organisations including Orkuveita Reykjavíkur, Landsvirkjun, Alterra Power Corp, Reykjavik Geothermal, Baker Hughes, Honeywell, Mannvit and many more.

The two day conference will offer a series of informative formal presentations from senior industry executives and experts, panel discussions encouraging information exchange between you and your peers and excellent networking opportunities allowing you to engage in face to face discussions with key industry players.

## Confirmed Topics for Discussion:

- Global Geothermal Energy Developments
- Geothermal Market Place: Potential & Predictions
- Barriers to Global Geothermal Growth
- Financing Geothermal Projects
- Energy Production: Case Study Examples
- Exploration: Improved Methods & Industry Examples
- Drilling Methods and Testing
- Reservoir Management and Power Plant Monitoring
- R&D in Future Geothermal Technologies



## Who Should Attend

Senior representatives from national utility companies, technology developers and providers, geothermal project developers, energy regulators and industry analysts, legal companies, energy investors, research organisations, consultants, power production plants and drilling and exploration companies

## Site Visit Details:

**Geothermie Soultz Project Owned & Operated by GEIE Management  
– Tuesday 10th September 2013**

During the afternoon of Tuesday 10th September 2013 a limited number of conference attendees will have the opportunity to attend an exclusive site visit

### The project in numbers

- 22 years of research, from the first studies to the commissioning of the electric power plant, in 2008
- 80 million Euros of investment: 30 million from the European Union, 25 million from Germany and 25 million from France
- 15 research institutions and hundreds of subcontracting companies
- more than 20 km of deep drilling
- 200 000 m<sup>3</sup> of water injected to open and clean out the rock fractures between the wells
- 3 wells drilled to a depth of 5000 m
- 11 km flow path distance around the geothermal water-loop
- 0g of CO<sub>2</sub> emitted, during energy

### For both production wells, the objective is:

- 35 litres of water per second at 175°C
- 13 MW (megawatt = 1 million watts) of extracted heat
- 2.1 MW of gross generation
- 0.6 MW of consumption for the running of the installation
- 1.5 MW of net generation

Currently, the GPK2 well produces 30 l/s at 170°C at the surface. The GPK4 well is at 12 l/s at 145°C. This value is expected to increase slowly and regularly, because this "upstream flow" gradually heats up the rock around the well and reduces heat losses.

## Opportunities to Meet your Target Audience


For information on available sponsorship and commercial opportunities, please contact **Victor Kinlock**:

Tel: +44 (0)20 3141 0626 or

Email: [vklock@acieu.net](mailto:vklock@acieu.net)

## Registration is Simple

If you would like to register for this event or wish to find out more information, you can contact **Joanna Mieloch** by using any of the following methods:

 +48 (0) 616 469 780

 [jmieloch@acieu.net](mailto:jmieloch@acieu.net)

 <http://www.acius.net>

 Postal Address:  
ACI Europe, 5/13 Great Suffolk Street, London, SE1 0NS

## DAY 1

Wednesday 11<sup>th</sup> September 2013

08:00 REGISTRATION & COFFEE

09:00 CHAIRMAN'S OPENING ADDRESS

09:15 CONFERENCE PRESENTATION

### Global Geothermal Energy Developments: 2013 and beyond

- Future outlook for geothermal energy and key regions showing development in installed capacity.
- Noticable trends in exploration and production methods and new developments shaping the future for geothermal.

**Marietta Sander**  
Executive Director  
International Geothermal Association

10:00 SESSION ONE

### Global Geothermal Market Place: Potential and Predictions

- Market opportunities in Global geothermal energy. Hear updates from three promising regions which includes Africa, Asia, USA, Europe & Latin America
- Trends identified in recent projects and future projects in planning.

**Dr. Silas Simiyu**  
Managing Director & CEO  
Geothermal Development Company

**Dr.-Ing. Horst Kreuter**  
Executive Director/Senior Geologist  
GeoThermal Engineering GmbH

**Elise Brown**  
Associate Director  
California Geothermal Energy Collaborative

11:15 MORNING REFRESHMENTS

11:45 PANEL DISCUSSION

### Barriers to Global Geothermal Growth

Join us for an informative presentation followed by an indepth discussion based on outlining the barriers to growth for geothermal energy, with a focus on:

- Policy/Government support
- Social acceptance
- Finance/Investment
- Geographical/Exploration
- Technological Barriers

**Gyorgy Horucz**  
Director-Geothermal Business Line  
E-Star plc

**Eriks Atvars**  
Managing Director- Global Head Power &  
Environment  
UniCredit Bank AG

13:00 LUNCH

14:00 SESSION TWO

### Financing Geothermal Projects

- Attracting investment and sourcing finance in exploration/production.
- Renewable energy funds and government support availability.
- Securing risk finance and tailoring your operations to attract investors and reduce risk.
- Managing project costs from a project managers perspective and making projects financable from the start.

**Allan Baker**  
MD - Global Head of Power Advisory &  
Project Finance  
Societe Generale

**Gus Hochschild**  
Alternative Energy Analyst  
Mirabaud Securities LLP

**Matthias Hiegl**  
CEO  
Erlangen AG

15:50 AFTERNOON REFRESHMENTS

16:20 CONFERENCE PRESENTATION

### Field report on the inter-municipal depth geothermal energy project Aschheim-Feldkirchen-Kirchheim near Munich

From development up to realisation and implementation

**Thomas Fröhlich**  
AFK-Geothermie GmbH

17:05 CONFERENCE PRESENTATION

### Geothermal Energy Production: Case Study Example

An in depth look into the operations of Global geothermal production plants from exploration to production.

- Finance models and support for development
- Energy output and expansion strategies
- Technologies implemented and upgrades

**Robert Emrich**  
Vice President of Sales  
ElectraTherm

17:50 CLOSE OF DAY ONE

## DAY 2

Thursday, 12th September 2013

08:30 REGISTRATION & COFFEE

09:00 CHAIRMAN'S OPENING ADDRESS

09:05 SESSION THREE

### Geothermal Energy Exploration: Improved Methods and Industry Examples

- Global exploration projects - case study example.
- Advancements in 3D seismic modeling and geophysical data collection for further analysis of a reservoir.
- Identifying a geothermal resource and working out its potential with temperature modelling.
- Developing production strategies from data collected to optimise a reservoirs potential

#### Volker Oye

Senior Research Geophysicist  
NORSAR

#### Curd Bems

CEO  
Exorka GmbH

#### Padraig Hanly

Managing Director  
GT Energy

10:20 MORNING REFRESHMENTS

10:50 SESSION FOUR

### Drilling Methods and Testing

- Active drilling projects - case study examples
- Advancements in drilling technologies - raising efficiency
- Deep Geothermal - Reaching deeper depths and obtaining geothermal resources in unconventional locations
- Lessons to be learnt from the Oil & Gas industry - What skills and techniques can be transferred?

#### Dr Stephen Hinchliffe

Geothermal Development Manager  
Sinclair Knight Merz

### Targeting in deep carbonate aquifers – lessons learned from geothermal exploration in the German Molasse Basin

- Choosing the right exploration strategy
- Target selection: structure or facies?
- Target orientated drilling: benefits and risks
- Modelling while drilling

#### Bernd Loske

Principal Geologist  
DMT GmbH

12:05 LUNCH

13:20 SESSION FIVE

### Reservoir Management and Power Plant Monitoring

- Key advancements in reservoir management techniques and technologies with industry application.
- Power plant monitoring systems: Obtaining real time specific data
- Sustainable reservoir management

#### Mats Carselid

Marketing Engineer, Industrial Equipment  
Alfa Laval

14:35 AFTERNOON REFRESHMENTS

15:05 SESSION SIX

### Research & Development in Future Geothermal Technologies

- How future production & exploration technologies will shape the future of geothermal energy
- The future of EGS systems and the potential for implementation in areas of low heat.

#### Miklos ANTICS

Managing Director  
GPC Instrumentation Process

#### Pascal Schlagermann

Research and Innovation  
EnBW Energie

16:05 EGS in a sedimentary basin (like The Netherlands)

- The need for EGS: to produce geothermal heat at locations and depths that are not suitable without EGS
- Types of fracs and frac design
- Two example cases: enhance the flow from a not so permeable reservoir, and multiple fracs to create a heat exchanger

#### Guus Willemsen

Manager Business Development  
IF Technology

16:55 CHAIRMAN'S CLOSING ADDRESS

17:05 END OF DAY TWO & CLOSE OF CONFERENCE


# Global Geothermal Energy Summit 2013

Stuttgart, Germany

11th-12th  
September  
2013

## Registration Is Simple

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 +48 (0) 616 469 780

 jmieloch@acieu.net

 <http://www.acius.net>

 **Postal Address:**  
ACI Europe, 5/13 Great Suffolk Street, London, SE1 0NS

## Registration Is Simple

### Conference (Includes Documentation Packet)

11th & 12th September 2013

£1,495.00

### Documentation Packet Only

£420.00

Please Note.

Members and customers of all supporting organisations are entitled to a discount off their conference package.

For more information please call +48 (0) 616 469 780.

## Documentation Packet Available

We are selling the Global Geothermal Energy Summit 2013 papers at just £395 (+£25 P&P). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future.

## About ACI

ACI, a UK owned company, have been running successful conferences for the last 15 years in the USA. Headquartered in Chicago with offices all around the States, they run forums in varied fields and are market leaders in healthcare business conferences. Opening their European head office at the end of 2005, they have expanded rapidly and are launching a series of events covering the maritime, energy, oil and gas industries.

## Terms & Conditions

### Payment

Payment must be received within five business days of returning the signed contract. After receiving payment a VAT receipt will be issued. If you do not receive a letter outlining details two weeks prior to the event, please contact the Conference Coordinator at ACI Europe Ltd.

Discounts are available for multiple/group bookings. Please call +48 (0) 616 469 780 for more information.

### Cancellations

Substitutions are welcome up to 24 hours prior to the event. Cancellations must be received in writing no less than 3 weeks prior to the start of the conference; a full credit voucher towards a future ACI conference will be issued. Any cancellation received less than 3 weeks prior to the start of the event shall be deemed to be a breach of this contract by client, and accordingly, no credits will be given. Cancellations must be received in writing by mail or fax three weeks before the conference. Thereafter the full conference fee is payable. If for any reason ACI Europe Ltd decides to amend, cancel or postpone this conference, the conference fee will not be refunded. Furthermore, ACI Europe Ltd will not be responsible for covering airfare, hotel or other costs incurred by registrants. In the event that ACI Europe Ltd cancel or postpone the event, ACI Europe Ltd reserves the right to transfer this booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the following twelve months. The construction, validity and performance of this agreement shall be governed in all respects by the laws of England to the exclusive jurisdiction of whose courts the Parties hereby agree to submit.

### Accommodation

The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.

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[www.geothermie-nachrichten.de](http://www.geothermie-nachrichten.de)

