

# Gasification 2016

**Rotterdam, The Netherlands 23-24 March**

## Agenda committee

- Kelvin Halliwell, Global General Manager Upstream Licensing, Shell
- Claudio Allevi, Industrial Development Manager, Saras S.p.A
- Alison Kerester, Executive Director, Gasification Technologies Council
- Juhani Isaksson, Director, Valmet
- Silvio Arienti, Power Division Director of Process, Amec Foster Wheeler
- Berend Vreugdenhil, Gasification and gas cleaning expert, ECN
- Christiaan van der Meijden, Process & Mechanical Engineer, Biomass Energy Engineering
- Juergen Karg, Head Of Business Development IGCC, Siemens Power And Gas Division

## Site visit

Exclusive site visit:  
RWE/Essent Amer Power Plant  
Tuesday 22nd March 2016. Available to a limited number of attendees only. No extra cost to attend.



## Sponsorship opportunities:

Tim Rowley-Evans, +44 (0)20 3141 0637, [trowleyevans@acieu.net](mailto:trowleyevans@acieu.net)

## *An Outlook of Gasification Applications and Market Future and Prospects*

ACI's 5th annual **Gasification** summit will once again bring together senior executives from industry and research to discuss the latest commercial and technical developments, challenges and research breakthroughs throughout the entire gasification market. The conference will have a focus on the latest technologies in operation in the global gasification industry and also includes an overview of the up to date and prospecting activity. Discuss the technical challenges faced while chasing the carbon reduction, and the challenges faced during the commercialisation process including the views from different end markets.


### Agenda Committee Members


- Kelvin Halliwell, Global General Manager Upstream Licensing, **Shell Global Solutions**
- Claudio Allevi, Planning & Technology Development Manager, **Saras S.p.A**
- Christiaan van der Meijden, Process & Mechanical Engineer, **Biomass Energy Engineering**
- Juhani Isaksson, Director, Gasification, Pulp, Paper and Power, **Valmet**
- Silvio Arienti, Power Division Director of Process, **Amec Foster Wheeler**
- Alison Kerester, Executive Director, **Gasification Technologies Council**
- Berend Vreugdenhil, Gasification and Gas Cleaning Scientist, **ECN**
- Juergen Karg, Head Of Business Development IGCC, **Siemens Power And Gas Division**

The two day conference will comprise of a series of informative presentations combined with a number of IGCC case studies from senior industry executives and experts. There will be two panel discussion sessions encouraging information exchange among you and other attendees. Furthermore, this two days event offers excellent networking opportunities in order to maximize the benefits from your participation.


### Registration is Simple

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

 +44 20 3141 0606

 mahsan@acieu.net

 <http://www.acius.net>

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



### **RWE/Escent Amer Power Plant – Tuesday 22nd March 2016**

During the afternoon of Tuesday 22nd March 2016 a limited number of conference attendees will have the opportunity to attend an exclusive site visit

**There is no extra charge to attend the site visit. Please register your attendance for the site visit when booking for the conference.**

#### Provisional Schedule of Site Visit:

**12:30** - Registration for site visit at conference hotel in Rotterdam

**13:00** – Depart conference hotel

**13:45** – Welcome Address & company presentation by Essent

**14:15** - Guided tour of the Amer Power Plant Gasification facilities

**15:30** – Closing remarks & refreshments

**16:00** - Depart Amer Power Plant


**16:45** – Arrive conference hotel in Rotterdam

### Who Should Attend

Leading power generation companies, oil refining and petrochemical industry including: managers, directors & engineers of gasification, biomass or clean coal technology, power generation, processing technologies, R&D and new technologies, renewable strategy, sustainable technologies, environment and CO2 managers, CTOs, COOs as well as business development executives from technical service providers, consultants and regulators.


### Sponsorship and Exhibiting Opportunities

Companies can gain direct access to our senior level audience and have an increased level of visibility through branding and networking at the conference. For information on available sponsorship and commercial opportunities, please contact Tim Rowley-Evans on:

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

 <http://www.acius.net>

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

## DAY 1

Wednesday 23rd March 2016

### 08:00 REGISTRATION & COFFEE

### 09:00 CHAIR'S OPENING ADDRESS



**Alison Kerester**  
Executive Director  
**Gasification Technologies Council**

### 09:15 CONFERENCE SESSION

#### Introductory market overview, drivers and regulatory update

- Drivers for the gasification industry—EU directives and regulations (2020 targets), energy demand and the lack of incentives
- Financing: availability of private & government funds
- The challenge of project finance, due diligence for the contract with the EPC



**Chris Higman**  
Principal  
**Higman Consulting GmbH**



**Jan Stambasky**  
President  
**European Biogas Association**

### 10:15 Panel Q&A

### 10:30 MORNING REFRESHMENTS

### 11:00 CONFERENCE SESSION

#### Waste gasification outlook

- Waste gasification status and an overview of projects
- Multiple technologies but also the regulation framework in the waste to energy area are moving towards high efficiency cycles where gasification can offer a lot
- Plasma gasification: how attractive and easily applicable technology is it really? The example of parasitic power consumption



**Matti Nieminen**  
Principal Scientist  
**VTT Technical Research Centre of Finland**

### 12:15 CONFERENCE PRESENTATION

#### Recent developments in the area of Gas Clean-up

- Dust separation, tar removing for chemical production and/or production of transport fuels from biofuels

- The development from the traditional coal gasification to other fuels and processes
- Technical and economic challenges of the downstream gas cleaning



**Robin Zwart**  
Technology and Product  
Development Manager  
**Royal Dahlman**

### 13:15 Q&A

### 13:30 LUNCH

### 14:40 CONFERENCE SESSION

#### Gasification for chemical and fuels production

- Gasification for production of chemicals or Bio-Fuels, status and promising
- Syngas fermentation
- Bio-Methane production
- Gasification for liquids and chemicals from coal, biomass or waste: cost of feedstock and production
- Industrial projects where gasification is used to produce substitute fuels for oil or NG
- The contribution of Fisher Tropsch units to fuels security
- Utilisation of alternative fuels through gasification in process industry furnaces



**Lisa Dyson**  
CEO  
**Kiverdi**

**Berend J. Vreugdenhil**  
Gasification And Gas Cleaning Scientist  
**ECN**



**Reinhard Rauch**  
Senior Researcher  
**Bioenergy2020+/Technical  
University Vienna**

### 16:10 Panel Q&A

### 16:30 AFTERNOON REFRESHMENTS

### 17:00 CONFERENCE SESSION

#### Case studies: Biomass gasification, challenges and success stories

- Technology breakthrough: Biomass to biofuel/chemical/SNG
- Power plant integration and operation experience
- National feed-in tariff for power production using forest biomass and fossil fuel tax for heat production



Juhani Isaksson  
Manager, Gasification And Pyrolysis  
Systems  
**Valmet**

Rolf Ljunggren  
CEO  
**Cortus Energy AB**

18:00 **Panel Q&A**

18:15 **CLOSE OF DAY ONE**

## DAY 2

Thursday 24th March 2016

08:30 **REGISTRATION & COFFEE**



Alison Kerester  
Executive Director  
**Gasification Technologies Council**

09:00 **CHAIR'S OPENING REMARKS**

09:10 **CONFERENCE SESSION**

### Coal gasification technologies in EU and overseas

- Gasification of low rank / high ash coals and lignite
- Operational experience and lessons
- Flexibility of production: Commissioning and start-up of plants; time for start-up; stand-by condition
- Advances in technology with regards to environmental safety

Thomas von Kossak  
Technology Manager Gas/Oil Gasification & Hydrogen  
**Shell**

10:40 **Panel Q&A**

11:00 **MORNING REFRESHMENTS**

11:30 **PANEL DISCUSSION**

### Application, strengths and weaknesses of different technologies like: fixed or fluidised bed and entrained flow

- Identifying biomass and waste gasification technologies: how to identify which ones work efficiently and which ones would be best for different project requirements?
- Coal or non-coal technologies: What are the linking points and ways to move forward with them?
- Gasification separation units
- Carbon dioxide extraction



Christiaan Van Der Meijden  
Process & Mechanical Engineer  
**Biomass Energy Engineering**

Joakim Lundgren  
GAYA ID Project Manager  
**ENGIE**

Joakim Lundgren  
Director of **Swedish Centre for Biomass Gasification & Assoc. Professor, Luleå University of Tech.**

12:30 **Panel Discussion and Q&A**

13:00 **LUNCH**

14:00 **PANEL DISCUSSION**

### Market future and prospects

- Is gasification going, towards electricity production, chemicals production or a mix, what is desired, what is economically viable
- Gasification as a biorefinery concept or use to produce platform chemicals
- Raising finance for future developments
- Co-production in IGCC to support IGCC
- IGCC still an alternative to refinery residue conversion?
- Opportunities outside Europe as (coal) gasification applications in Europe e.g. for power and CCS are mainly dependent on incentive mechanisms for CO2 and/or power

15:00 **Panel Discussion and Q&A**

15:30 **CONFERENCE SESSION**

### UCG: Commercialisation of this technology challenges

- How achievable is commercial development of this technology?
- What are the requirements for gasification reactors and reaction processes



Krzysztof Stańczyk  
Head of Dept. of Energy Saving and Air Protection, **Central Mining Institute & HUGE2 Project** coordinator



Marc Mostade  
Managing Director  
**Most Coal Engineering**


16:30 **Q&A**


16:45 **CHAIRMAN'S CLOSING REMARKS**


16:50 **END OF CONFERENCE & NETWORKING REFRESHMENTS**


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## Registration Is Simple

Conference (Includes Documentation Packet)  
23rd & 24th March 2016

£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 **+44 (0) 20 3141 0606**.

## Documentation Packet Available

We are selling the **Gasification 2016** 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 **+44 (0)20 3141 0606** 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

### Exclusive Site Visit:

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