

5th CARBON DIOXIDE UTILISATION SUMMIT



21ST & 22ND OCTOBER 2015 | DRESDEN, GERMANY

KEY TOPICS

- An Overview Of The CO₂ Utilisation Landscape
- Breakthrough In Utilisation Technologies
- CO₂ LCA: Conversion Into High Value Products
- CO₂ Utilisation For Industrial Applications
- Cross Industry Cooperation
- Wider Economics Of CCU & CCS
- Outcome From German Utilisation Studies
- CO₂ Utilisation: A Lawyer's Perspective
- Utilisation For Fuels- Power To Liquids & Gas
- Utilisation For Chemical Applications
- R&D Utilisation Breakthrough Studies

EXCLUSIVE SITE VISIT

SUNFIRE GMBH – THE WORLD'S FIRST POWER TO LIQUIDS PRODUCTION PLANT

During the afternoon of Tuesday 20th October 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.

REGISTRATION & MORE INFO

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COMMERCIAL OPPORTUNITIES

Maureen Ignacio
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ACI's 5th Carbon Dioxide Utilisation Summit 2015 will explore the ongoing developments of **turning waste CO2 into profitable, commercially viable** opportunities. With insights from key industry players from pilot stage to full scale entities, the conference will address **both the technical and commercial aspects of CO2 Utilisation** in Europe and across the globe. With individual **case study analysis**, this years summit will explore industries utilising CO2 with a vast range of applications such as **Industrial Manufacturing, Power to Gas/Liquids, Fuel, Petrochemical, Chemical, Urea, Algae, and Power/Energy sectors** with key focus on how industries can work together to maximise utilisation.

EXCLUSIVE SITE VISIT: Sunfire GmbH

Dresden, Germany. Tuesday 20th October 2015

The world's first of it's kind power-to-liquids production plant!

There is **no extra charge** to attend the site visit, but spaces are limited and allocated on a **first come first served basis**. Please register your attendance for the site visit when booking for the conference.

Who Should Attend?

ACI's 5th Carbon Dioxide Utilisation Summit is designed to appeal to anyone interested in learning about the future of the global CO2 utilisation industry, but especially for those interested in commercial future.

If you are looking for a comprehensive progress update on the global CO2 utilisation industry, including a growth outlook and updates on the latest technological advancements, then look no further than ACI's 5th Carbon Dioxide Utilisation Summit.

Previous Attendees Include:

| BMBF | E.ON | Sunfire GmbH | ArcelorMitta | Innovation | ACP Polska Sp | Aqualia | Audi AG | Avantium | Total | Gas Natural Fenosa Engineering | TECNALIA | SINTEF Energy Research | Iberdrola | Ecofys | FOM-institute DIFFER | ENEA Consulting | VITO | IPG Industrial Project Group Srl | International Energy Agency (IEA) | Climeworks AG | Bayer Material Science | DNV GL | Jagiellonian University | ETOGAS GmbH | Five Quarter Energy Limited / Five Quarter Energy | PTT Exploration & Production PCL / PTTEP | DIFFER | Solvay SA | TNO | Energibyen, Skive | KSLA | VTT | GreenField Speciality Alcohols Inc / GreenField | RAFAKO S.A. | Bilfinger Bohr- Und Rohrtechnik GmbH | Linde AG | Institute For Energy Technology (IFE) | The Chemical Coal Processing Institute | Mitsubishi Hitachi Power Systems Europe GmbH / MitsubishiHitachi PowerSystems | Borealis Polyolefine GmbH | ON | University Of Antwerp | Joule Unlimited | Yara Int. | PTT PLC | Clariant Produkte (Deutschland) GmbH | Gas Natural Fenosa | INHA University | FCC AQUALIA, S.A. | Antwerp Port Authority | Jupiter Oxygen Corporation | OMV | Bertrandt Ingenieurbuero GmbH | Chemieanlagenbau Chemnitz GmbH | GDF Suez | CCM Research | BASF New Business GmbH | Unimore//Protesa | MARU Teknik AB | PTT Public Company Ltd | KH Engineering B.v | Naviglobe NV |

Confirmed Topics for Discussion:

- An Overview Of The Carbon Dioxide Utilisation Landscape
- Breakthrough In Utilisation Technologies
- CO2 Utilisation: Conversion Into High Value Products
- CO2 Utilisation For Industrial Applications
- Cross Industry Cooperation
- Wider Economics Of CCU & CCS
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- CO2 Utilisation For Fuels - Power to Liquids & Gas
- CO2 Utilisation For Chemical Applications
- R&D Utilisation Breakthrough Studies

Previous Conference Testimonial

"The audience was very diversified; as a speaker, I experienced great interest and in-depth questions concerning the topic, also at the visit at the Audi e-gas-plant in Werlte. In terms of content, administration and "networking usefulness", the conference was really outstanding."

Hermann Pengg, Head of Renewable Fuels, Audi AG



FOR SPEAKING OPPORTUNITIES CONTACT :

Jasmine Okure

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FOR COMMERCIAL OPPORTUNITIES CONTACT :

Maureen Ignacio

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Registration is Simple:

To find out more information and to register, please contact **Rohan Baryah** using any of the following methods:

 +48 (0) 616 467 022

 rbaryah@acieu.net

 <http://www.acieu.net>

DAY 1

Wednesday 21st October 2015

08:00 **REGISTRATION & COFFEE**

09:00 **CHAIRMAN'S OPENING ADDRESS**

09:15 **CONFERENCE SESSION**

An Overview Of The CO₂ Utilisation Landscape

- The potential of the competitive market
- Maximising volume & scale of production: challenges and breakthrough
- Techno-economic assessment of European CO₂ utilisation (CCU) pathways
- Policy, energy and climate context of CCU

Vangelis Tzimas
Project Leader
European Commission

Simon Bennett
Analyst
International Energy Agency (IEA)

11:05 **MORNING REFRESHMENTS**

11:35 **PANEL DISCUSSION**

Breakthrough In Utilisation Technologies

- Innovative concepts for beneficial CO₂ use
- How to create acceptance by end users at the earliest stages possible
- Developing the skills set of employees to deal with CO₂ utilisation technologies
- Gaining government and financial support

Louis-Marie Jacquelin
Development Director - Innovation Activity
ENEA Consulting

Dominic Hofstetter
VP Business Development
Electrochaea, LLC

12:50 **CONFERENCE PRESENTATION**

CO₂ LCA: Converting CO₂ into High Value Products

- Efficient methods of converting large volumes of CO₂ into materials
- How does the field of CO₂ recycling contribute to the current policy objectives in the field of climate change mitigation?
- Legal aspects and framework for emission reductions

David Banitt
CEO
New CO₂ Fuels

13:35 **LUNCH**

14:50

CONFERENCE SESSION

CO₂ Utilisation for Industrial Applications

- Successful implementation of utilisation in various applications
- Captured CO₂ for conversion into cement
- Polycarbonate plastics and reduced energy requirements

Christoph Guertler
Catalysis
Bayer Material Science

Cor Coning
Science Manager Polycondensates
DSM Coating Resins

Mieke Quaghebeur
Team Manager
VITO

16:40

AFTERNOON REFRESHMENTS

17:10

CONFERENCE PRESENTATION

CO₂ Utilization within Refineries & Steel Plants Including Synergy with Power Generation Sector

- Developing cross cooperation among these three industries including biorefineries
- Helping to solve the ongoing challenges of these industries due to the strong impact of renewables
- Combining the assets of these industries could allow operation of power plants at full load for long time avoiding cycling and stop of these plants during weekends

Giorgio Dodero
President
Industrial Project Group SRL

17:55

CONFERENCE PRESENTATION

Wider Economics of CCU & CCS

- Effects of petrol price drops on the market
- Updates on carbon capture & utilisation in the green economy
- How CCU can be profitable with right investments

Henriette Naims
Project Scientist
Institute For Advanced Sustainability Studies E.V (IASS)

18:40

CLOSE OF DAY ONE

DAY 2

Thursday 22nd October 2015

08:30 **REGISTRATION & COFFEE**

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

09:05 **CONFERENCE PRESENTATION**
Outcome from German Utilisation Studies

- Challenges faced & goals achieved
- Application & exploitation of results
- Economical & ecological benefits

Lothar Mennicken
Senior Scientific Officer
BMBF

09:50 **CONFERENCE PRESENTATION**

**CCS/CCU in the Post-Kyoto World:
Recommendations to the United Nations
Framework Convention on Climate Change'**

- The current policy setting for CCS/CCUS and other non-carbon emitting technologies
- The innovative use of public/private partnerships to support early CCS/CCUS
- Innovative joint venture projects

Barry Worthington
Executive Director
USEA

10:20 **MORNING REFRESHMENTS**

10:50 **CONFERENCE SESSION**
**CO₂ Utilisation for Fuel Applications –
Power to Liquids & Gas**

- Current developments & future outlooks
- Energy storage for fuel & power
- The economic feasibility

Hermann Pengg
Head Of Renewable Fuels
Audi AG

12:40 **LUNCH**

13:55 **CONFERENCE SESSION**

CO₂ Utilisation for Chemical Applications

- Utilisation for chemicals on a commercial scale
- State of art capture and utilisation
- From R&D to plant scale: Life cycle analysis

Simon Waddington
Market Development Manager
Novomer

Stephan Schunk
Principle Scientist And Founding Member
Hte-Company

Robert Gresser
R&I Sustainable Energy Platform Director
Executive VP
Solvay

TBA
Senior Representative
Bse Engineering Leipzig GmbH

15:45 **AFTERNOON REFRESHMENTS**

16:15 **CONFERENCE SESSION**
R&D Utilisation Breakthrough Studies

- Discovering potential CO₂ reuses
- Future projects in pipeline
- Developing efficient methods for CO₂ conversion

Youssef Travaly
Senior Project Manager - SCOT Project
Green Win

Larissa Noel
Research Scientist
VIT

18:05 **CHAIRMAN'S CLOSING REMARKS**

18:15 **END OF CONFERENCE & NETWORKING
REFRESHMENTS**

5th Carbon Dioxide Utilisation Summit

Dresden, Germany

21st-22nd
October
2015

Registration Is Simple

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

 +48 (0)61 646 7022

 rbaryah@acieu.net

 <http://www.acieu.net>

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

Registration Is Simple

Conference (Includes Documentation Packet)

21st & 22nd October 2015

£1,495.00

Documentation Packet Only

£420.00

Please Note.

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

For more information please call +48 (0) 616 467 022

Documentation Packet Available

We are selling the 5th Carbon Dioxide Utilisation Summit 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)61 646 7022** 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