



# Africa Investment Exchange Energy in Transition

17-18 April 2023, RSA House, London

Key themes to be discussed:

## **Energy in transition: reconciling security and sustainability**

How to deliver affordable and reliable energy across the continent, and meet SDG7 ambitions.

## **Global gas and LNG markets**

International geopolitics and its impact on Africa's gas market.

## **Scaling-up Africa's fertiliser supply**

Strategies to increase domestic fertiliser production across the continent.

## **Carbon markets revisited**

How do key market players see carbon finance evolving?

## **Regional opportunities**

Focus on the scale of gas resources, demand potential, market development and integration with neighbouring countries.

## **Financing hydrogen**

Accessing carbon markets and international infrastructure capital for African H<sub>2</sub> and NH<sub>3</sub>.

## **C&I gas and renewables**

New opportunities for investment

**Hydropower, geothermal, nuclear** and other contenders for zero-carbon baseload supply.



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# Welcome

A range of stakeholders including investors, governments and consumers have an urgent need to find workable formulae to deliver affordable and reliable energy in each of the jurisdictions where they operate and across the continent. Without coherent and co-ordinated approaches many African economies cannot hope to meet SDG7 ambitions to provide universal access within decades, let alone by 2030.

From its opening session, the meeting will seek to establish the extent that natural gas and other thermal options can be considered 'transition fuels', which provide critical developmental solutions – rather than only being considered a climate change problem – and whether a renewable energy-only approach (along with storage and other non-carbon solutions) is appropriate for Africa.

Few believe that achieving a balanced 'Just Transition' is easy, but Africa Investment Exchange (AIX) Energy in Transition (EIT) is setting an agenda that will be enlarged on in sessions and round tables over two days.

AIX is organised by African Energy, a specialist publisher and consultancy that has been involved at the heart of the debate surrounding the development of the energy sector in Africa for more than 20 years.

We are focused on producing meetings that establish an enduring dialogue for energy industry professionals, with the aim of stimulating business engagement and long-term partnerships.

To ensure the freest possible discussion, AIX meetings have been held for over nine years under the Chatham House Rule, by which participants are free to use the information received, but the identity and affiliation of those present may not be revealed.

AIX is held at the Royal Society of Arts (RSA House) in London, which provides a relaxed setting to network and arrange meetings.

Jon Marks  
Founder, **African Energy**  
W: [africa-energy.com](http://africa-energy.com)

\*participants are free to use the information received, but neither the identity nor the affiliation of the speaker, nor that of any other participant, may be revealed.



Established in 1998, African Energy is a leading independent provider of insightful news, analysis and quality data on Africa's energy industries.

Contact us to discuss how we can help your business:

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# Panellists

## Recently confirmed in-person panellists



**Nomfundo  
Maseti**  
NERSA



**Ahmed  
Badr**  
IRENA



**Dafe  
Akpeneye**  
NERC



**Eric  
Mwangi**  
Ministry of Energy,  
Kenya



**Shirvine  
Zhang**  
Hive Energy



**Charlotte  
Kirk**  
Fortescue Future  
Industries



**Timo  
Bollerhey**  
H2 Global Advisory



**Sameh  
Shenouda**  
AFC



**John  
Smelcer**  
Globeleq



**Ezekiel  
Adesina**  
Africa Energy Study  
Group



**Ignacio  
de Calonje**  
IFC



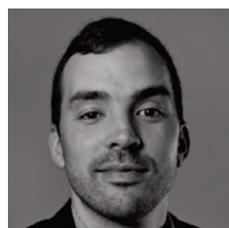
**Alessandro  
Nanotti**  
Vivo Energy



**Yemisi  
Awonuga**  
Templars



**Joseph  
Ezigbo**  
Falcon Corporation



**Michael Ball**  
Wärtsilä



**Olivier  
Leruste**  
Echosys Advisory

# Panellists



**Paul  
Eardley-Taylor**  
Standard Bank



**Ann  
Norman**  
Saqara Energy



**Osaruyi  
Orobosa-Ogbeide**  
AFC



**Ola  
Alokolaro**  
Genser Energy



**Fred  
Beelitz**  
ECA



**Jon  
Marks**  
African Energy



**Gocke  
Mete**  
South Pole



**Myles  
Allen**  
University of Oxford



**Greg  
Murray**  
KOKO Networks



**Rebecca  
Pynt**  
Independent  
Consultant



**Adam  
Terry**  
Harmattan  
Renewables



**Duncan  
Wallace**  
Chariot Energy

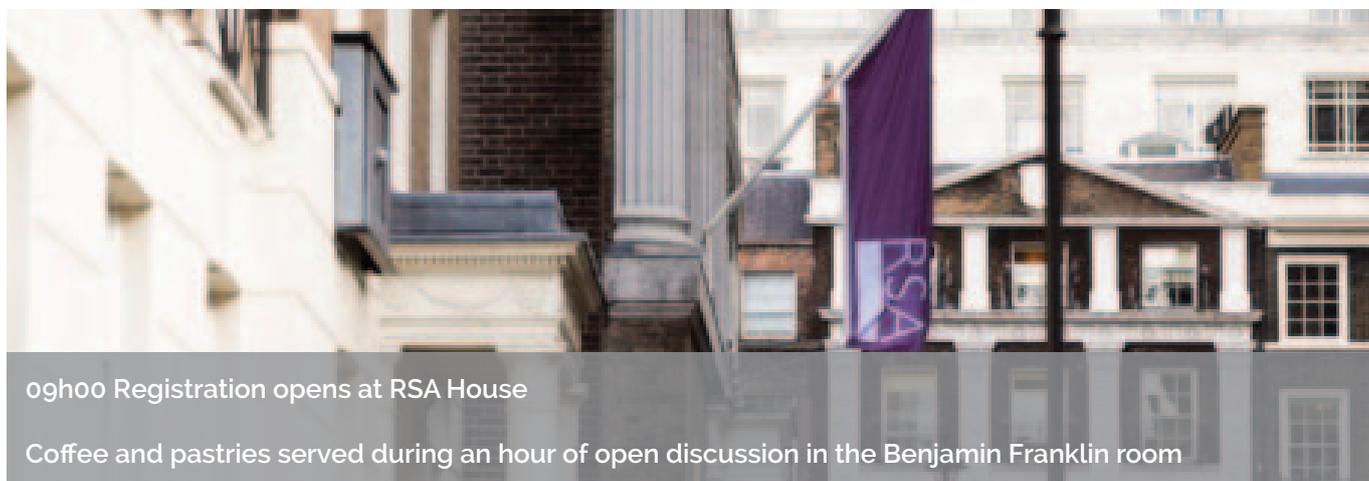


**Harry  
Keeling**  
Rolls-Royce



**Steve  
Brann**  
Vitol

# 17 April-day one



## 10h00 to 11h30

### Energy in transition: reconciling security and sustainability

Chair: **Jon Marks** - Founder, African Energy

The war in Ukraine undoubtedly changed many European and other stakeholders' agendas for African gas. It may also have impacted on industrialised nations' and commercial investors' spending plans. This session asks:

- There is an apparent disconnect between RE-only approaches and those who see African gas as a major driver for macro growth, industrialisation policies and new technologies. Following COP27, can there be greater policy convergence between Africa, Europe, the US and others to make Just Energy Transition strategies work.
- To what extent can African economies expect to depend on RE alone? Including a look ahead to technologies of the future and their role (or not) in reshaping Africa.
- In evolving corporate strategy, what are the problems associated with developing a RE-plus-appropriate thermal approach?
- The role of gas and RE in evolving development objectives – for example, from driving the African fertilizer industry to powering agriculture with solar pumps.
- Stranded assets or working hydrocarbons industry: what does transition mean for future O&G exploration and production?
- Does hydrogen – or other zero-carbon technologies – replace thermal, and if so when?

**Ahmed Badr** - Director, Project Facilitation & Support, IRENA

**Nomfundo Maseti** - Full-Time Regulator Member: Piped Gas Regulation, NERSA

**Eric Mwangi** - Economic Advisor to the Cabinet Secretary, Kenya

**Sameh Shenouda** - Chief Investment Officer, Africa Finance Corporation

11h30 Coffee

# 17 April - day one

**12h00 to 13h00**

## Green hydrogen markets

Analysis on the potential domestic, regional and global market.

The session will start with a snapshot of recent green hydrogen deals in Morocco and Egypt and ask whether proximity to Europe will impact on the nascent H2 value chain?

- Updates on other key projects
- Analysis of domestic hydrogen applications
- Industrial policies, regulation and applications to promote Africa's domestic ammonia and green hydrogen market.
- What can governments do to move beyond pilot schemes?

**Timo Bollerhey** - Managing Director, H2Global Advisory

**Tarik Hamane** - Vice President Hydrogen Development, Total Eren

**Charlotte Kirk** - Green Ammonia Expert, Fortescue Future Industries

**Sameh Shenouda** - Chief Investment Officer, Africa Finance Corporation

**Shirvine Zhang** - Head of Hydrogen and Hybrid Energy, Hive Energy

13h00 Lunch



## New format for 2023

This year's meeting will include small roundtable discussions, on 18 April (maximum 12 people round each table), on specialist subjects.

Discuss key issues in more depth and engage with industry peers by hosting a roundtable meeting. Contact Ricky Purnell to sponsor a roundtable during AIX Energy in Transition.

**T:** +44 (0) 7919 130 324 **E:** ricky@cbi-meetings.com



# 17 April - day one

## Great room

14h00 to 15h30

### Global gas and LNG markets

International geopolitics and its impact on African and global gas markets.

- A resurgence in export-led LNG projects from Africa.
- Which projects will actually get delivered? African Energy's analysis of actual and potential projects tested by experts in the hall.
- Lessons learnt from Europe's energy crisis and recent gas/LNG contracts and pricing.
- What is the future for cheaper coal substituting for expensive imported natural gas?

**Ezekiel Adesina** - Executive Secretary, Africa Energy Study Group

**Steve Brann** - Head of LNG Origination, Vitol

**Paul Eardley-Taylor** - Oil & Gas, Southern Africa, Standard Bank

**Steve Husbands** - Head of Commercial, Oil & Gas Advisory at SLR



## Tavern room

14h00 to 14h45

### Renewable baseload and transmission

- Strategies for developing – and financing - balanced grids.
- Which baseload energy options fit with Africa's realities?
- Who is providing investment?
- Are there any new models for financing these projects out there?

**Fred Beelitz** - Managing Director, Economic Consulting Associates

**Gibbs Johnson** - Consultant, Clifford Chance

## Tavern room

14h45 to 15h30

### Energy in Transition: the SMR option

The UK Research and Innovation's Director, Low Cost Nuclear Challenge, **Richard Deakin** will kick-off the 45 minute session with an overview of the Small Modular Reactor sector

- Understanding the technology, new opportunities and applications.
- Market framework for financing small nuclear

**Harry Keeling**, Head of Industrial Markets at Rolls-Royce

**Rebecca Pynt**, Infrastructure and Corporate Finance Advisor

15h30 Coffee

# 17 April - day one

## Great room

16h15 to 17h30

### Financing energy transition infrastructure

Focusing on the finance available for long-term infrastructure projects.

- Has financing gas-to-power (GTP) and other schemes moved from pariah status back towards the mainstream – at least for some institutions?
- Report-back from Day 1 and African Energy Live Data overview
- Prospects for securing funds for GTP schemes with retrofit options
- Domestic gas infrastructure: can the right deal open up financing? What are the potentials for driving investment and loans into projects?

**Crispin Holliday** - IPP Business Development Executive

**Ignacio de Calonje** - Chief Investment Officer & Sustainable Finance Lead, IFC

**Frances Miller Rogoz** - VP, Project Development, Genser Energy

**Ann Norman** - President, Saqara Energy

**Osaruyi Orobosa-Ogbeide** - Vice President, Project Development & Investments, AFC

## Tavern room

16h15 to 17h30

### Carbon markets revisited

This session asks whether new efforts to boost carbon markets can be a major factor in shaping future project developments.

- How do key market players see carbon finance evolving?
- How do developers see carbon finance impacting on their projects?
- AIX community: why or why aren't you thinking about accessing current and/or future carbon markets?
- Carbon finance and the 'Just Energy Transition'

**Myles Allen** - Professor of Geosystem Science, University of Oxford

**Ahmed Badr** - Director, Project Facilitation & Support, IRENA

**James Doree** - Managing Director, Lion's Head Global Partners

**Gocke Mete** - Senior Manager, Global Hydrogen Stakeholder Platform, South Pole

**Greg Murray** - Chief Executive Officer, KOKO Networks





# AIX membership programme

A year-round forum for trusted debate and curated insight



## Exclusive data and insights

### Monthly online meetings under the Chatham House Rule

- Online roundtable meetings, held under the Chatham House Rule to deliver frank discussion and a trusted exchange of insight.
- Exclusive online Q&As with African Energy's analysts.

### Exclusive data and insights

- Analysis of African power sector trends from African Energy Live Data.
- Factsheets and webinars based on the latest African Energy research.

### Special discounts for in-person AIX meetings

- Exclusive early-bird discount for AIX in-person meetings.

### Join today

AIX Membership is included as part of a full African Energy newsletter and Live Data subscriptions or may be bought separately

E: [meetings@africa-energy.com](mailto:meetings@africa-energy.com)

### Next online meeting

21 February 2023: **Green hydrogen and green ammonia and the new scramble for Africa**

This online roundtable will assess the progress, the challenges and the key emerging players.



# 18 April - roundtables

## New format for 2023

This year's meeting includes small roundtable discussions, situated throughout RSA House (maximum 12 people round each table), on specialist subjects.

The roundtable topics below are suggestions. The exact theme of each topic will be confirmed before the AIX meeting

## Great room 09h00 - 10h30

### CCUS around the world

Moderator: **Kevin Dale** – Chair, GESGB CCS4G  
Innovations in geoscience as well as different technologies opening up carbon capture, utilisation, and storage (CCUS) opportunities.

- Lessons learnt from early stage projects

### Morocco snapshot

Moderator: **Duncan Wallace** – Technical Director, Chariot Energy

A look at the kingdom's gas development advances and consequences for gas-fired power supply.

### ESG is more than an acronym

A balanced discussion of how environmental, social and governance (ESG) is evolving in project preparation, policy formulation and investment decisions.

- Are approaches to ESG different for thermal and renewable energy operators?

### Green hydrogen finance

- What blended finance solutions are available for large-scale projects?

## Benjamin Franklin room 09h00 - 10h30

### Scaling-up Africa's fertiliser supply

Moderator: **Charlotte Kirk** – Green Ammonia Expert, Fortescue Future Industries

Strategies to increase domestic fertiliser production across the continent.

- Prospects for green ammonia in the domestic market

### Tanzania snapshot

Update on the gas strategy and negotiations of President Samia Suluhu Hassan's government.

- Project-by-project analysis
- Should gas-to-power and other investors get excited



Contact **Ricky Purnell** to sponsor a roundtable during AIX Energy in Transition.

**T:** +44 (0) 7919 130 324 **E:** ricky@cbi-meetings.com

## 10h30 Coffee

# 18 April - day two

11h00 to 12h15

## Industrial pathways

This session is intended to better define the relationships between industrial policy – and investments – and relevant energy industries

- Can transition energies work to speed up industrialisation and boost manufacturing? – and should they be asked to?
- Do industrial policies which promote growth in energy-intensive industries and C&I projects constitute an incentive for investments – or the reverse?
- Development finance support for early movers to clean energy. Towards a new generation of industrial investment policies.
- Developing green industrial value chains and opportunities in decarbonising industry (eg aluminium smelting and steelmaking).

**Dafe Akpeneye** - Commissioner, NERC, Nigeria

**Gibbs Johnson** - Consultant, Clifford Chance

**Eric Mwangi**, Economic Advisor to the Cabinet Secretary, Kenya

12h15 Lunch



## AIX Membership

A programme designed to help energy sector stakeholders gain easy access to the information needed to support their decision-making at all stages of the project and investment lifecycle.

Become a Member to receive a **exclusive early-bird discounts** on in-person AIX meetings, including AIX Energy in Transition and AIX Power & Renewables.

AIX Membership is included as part of a full African Energy newsletter subscription and Live Data subscriptions or can be bought separately.

Contact African Energy to find out more [E: meetings@africa-energy.com](mailto:meetings@africa-energy.com)

# 18 April - day two

13h15 to 14h30

## Southern Africa snapshot

Focus on Angola, Mozambique, Namibia and South Africa's diverse gas markets and decarbonisation strategies for industry

- The role of Mozambique's gas in the region's energy transition
- The interface between gas and renewables
- Decarbonisation of industry in South Africa: a buyer's perspective of C&I
- How to manage the thermal/RE interface
- Update on the Namibia play and Angola's gas export and other ambitions.

**Nomfundo Maseti** - Full-Time Regulator Member: Piped Gas Regulation, NERSA

**Adam Terry** - Technical Director, Harmattan Renewables

**John Smelcer** - Managing Director, Business Development, Head of Southern Africa, Globeleq



14h30 Coffee



## Africa Investment Exchange (AIX) : Power & Renewables

1-2 November, RSA House, London

Over the past 10 years AIX: Power & Renewables has become one of the meeting places of choice for Africa's power sector stakeholders, including leading private and public sector investors, African officials and project developers.

The meeting is held under the Chatham House Rule and structured around interactive panel-led sessions to encourage an open debate.

Contact **Lauren Slater** for further details T: +44 (0) 1424 721667

### Testimonials:

- "AIX is by far my favourite annual event and I would be delighted to participate again next year"
- "Probably the highest quality, content rich conference around"
- "Superb event bringing together industry leaders, excellent discussions. Unlike other similar events, I came away with new insights, feeling that I had learnt something"
- "I really appreciate this conference: that it is smaller, more academic & practical (vs the larger conferences where many participants are focused on selling their ideas, attracting capital)!"

# 18 April - day two

14h30 to 16h00

## West Africa C&I gas and renewables

Commercial and industrial power applications have excited financiers and developers, as credit-worthy companies have moved away from faltering national grids to find their own energy solutions. This closing session will examine a number of key trends:

- 2023-24: a period of corporate consolidation for renewables C&I players?
- Emerging business models which integrate solar PV as well as gas fired gensets to meet domestic energy requirements
- Natural gas utilisation projects for corporate/distributed clients, including small-scale LNG, LNG-to-power, LNG for mining, CNG, LNG for industry, domestic gas monetisation across the region.
- LPG options
- AIX asked this question several years ago. In a changing market we ask again: Is small-scale gas, CNG and trucking the future for thermal suppliers?
- Need operators look further than RE/storage?
- The role of commercial banks and debt capital
- Developers' perspectives on the barriers to financing projects

**Yemisi Awonuga** - Partner, Templars

**Joseph Ezigbo** - Managing Director, Falcon Corporation

**Olivier Leruste** - Managing Partner, Echosys Advisory

**Frances Miller Rogoz** - VP, Project Development, Genser Energy

**Alessandro Nanotti** - Global Head of LNG, Vivo Energy

16h00 End of AIX Energy in Transition 2023



## Our unique perspective

AIX: Energy in Transition is held under the Chatham House Rule and structured around panel-led sessions with a networking environment.

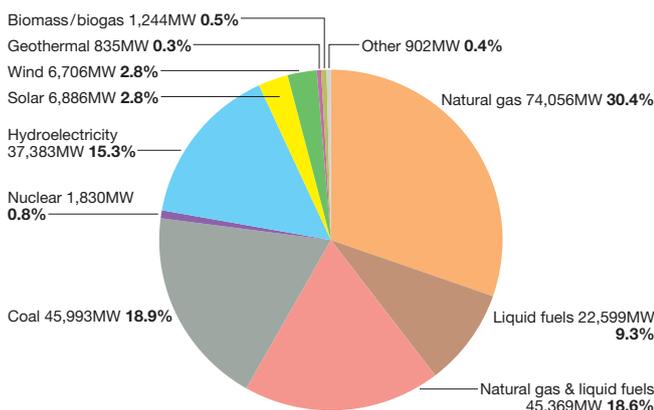
Participants will benefit from exclusive analysis based on **African Energy Live Data** - our unique platform that combines a range of analytics tools with project level detail of more than 7,000 power plants across the continent.

### All-Africa Energy Mix, Q1 2021

Installed on-grid capacity

Total: 243,802MW

#### ALL-AFRICA ENERGY MIX, Q1 2021 Installed on-grid capacity Total: 243,802MW



African Energy pairs their extensive regional expertise and source network with a seasoned events team experienced in producing high-level investment forums and dialogues across the African continent.

As a consultant, African Energy has a unique perspective when it comes to understanding the themes and topics that provide the foundations for a vibrant conference agenda and the mix of project stakeholders required to create a lively and engaging panel-led discussion.

We are focused on producing meetings that create enduring dialogues between development finance institutions, public sector stakeholders and private sector investors including, private equity firms, venture capitalists, family offices, foundations, institutional investors and impact investors.

Contact Lauren Slater for more details:

**E:** [lauren@africa-energy.com](mailto:lauren@africa-energy.com)

**T:** +44 1424 721 667

**W:** [africa-investment-exchange.com](http://africa-investment-exchange.com)

## Online Africa Investment Exchanges (AIX)



### Green hydrogen and green ammonia and the new scramble for Africa

Time: 12h00-13h00 GMT

Date: 21 february 2023



### Nigeria in a period of transition

Time: 12h00-13h00 GMT

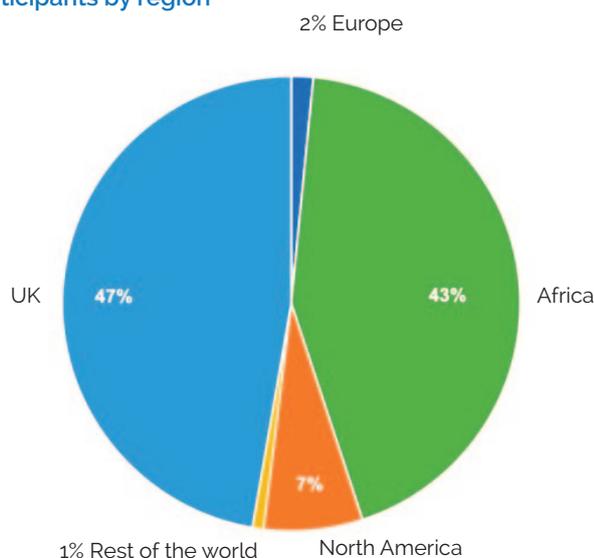
Date: 21 March, 2023

Online meetings are available to **AIX Members** and **African Energy subscribers** Contact **Ricky Purnell** for further details **T:** +44 7919 130 324

# AIX: Energy in Transition 2022

130 participants from 20 different countries attended the AIX: Energy in Transition meeting on 27-28 April.

## Participants by region



## Utilities, regulators and officials

Bui Power Authority, Ghana, Bureau of Public Enterprises (BPE), Commission for Renewable Energy & Energy Efficiency, Algeria, Department for Business, Energy and Industrial Strategy, UK, Department of Trade & Industry, South Africa, High Commission of Canada to the UK, Moroccan Agency for Sustainable Energy, National Energy Regulator of South Africa, Petroleum Directorate of Sierra Leone

## Finance and investment

Actis, AfDB, Africa50, African Infrastructure Investment Managers (AIIM), ARCH Emerging Market Partners, Argentil Capital, Asian Infrastructure Investment Bank, British International Investment, Development Bank of Southern Africa, Industrial Development Corporation of South Africa, International Finance Corporation (IFC), JBIC, Lion's Head Global Partners, Mahlako Financial Services, Nedbank, Rand Merchant Bank, Société Générale, Standard Bank, Standard Chartered, The Rockefeller Foundation, U.S. International Development Finance Corporation

## Power and infrastructure

Atome, Azura Power, Clarke Energy, Fortescue Future Industries, Globeleq, Hive Energy, Milele Energy, Monetizing Gas Africa, Proton Energy, Saldanha Bay Industrial Development Zone, Savannah Energy, Sun Africa, Thunder Energy, Wartsila

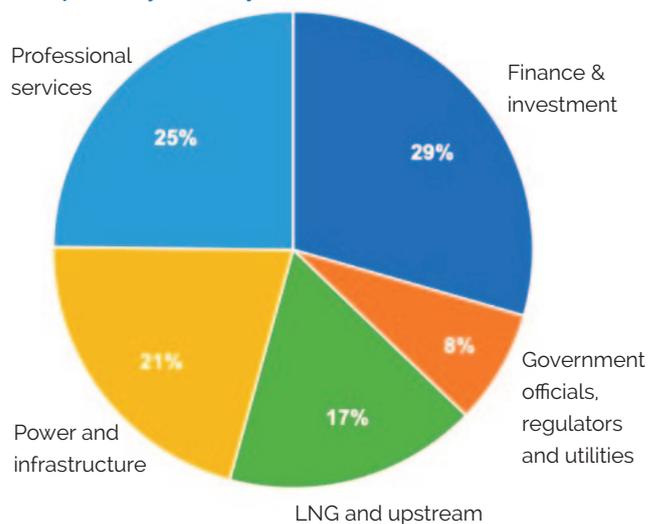
## LNG and Upstream

ANOH Gas Processing Company, BW Energy, Chariot, Circle Gas, Falcon Corporation, Fortesa International, Gigajoule, Greenville LNG, Kosmos Energy, NLNG, Shell, Sound Energy, Stena Power & LNG Solutions, Tema LNG Terminal Company

## Professional services

African Energy, Alesco Risk Management Services, Alliant, BeraMasamba, Bowmans, Clifford Chance, Climate Policy Initiative, Economic Consulting Associates, ENR Advisory, Gas Strategies, Harmattan Renewables, Herbert Smith Freehills, io consulting, Latham & Watkins, Green Hydrogen Association of Namibia, Mauritanian British Business Council (MBBC), Mitochondria Energy Company, Norton Rose Fulbright, SLR Consulting

## Participants by industry



# Sponsor AIX meetings



## Sponsor the AIX: Energy in Transition meeting

### Sponsorship package includes:

- Participation in the programme
- 3 guest passes including 1 panellist slot
- 50% discount off any additional tickets
- Corporate logo on event website, online conference platform, agenda, brochure, marketing emails, headline slides and banners
- Full page colour advert in the meeting book
- Input on the agenda
- Photos of panel sessions for social media and web use

### Additional options

- Meeting room, with tea and coffee, for sponsor to conduct private meetings with clients and potential clients
- Evening reception sponsor
- Lunch sponsor
- Session sponsor
- Coffee break sponsor
- Exhibition space

Contact **Ricky Purnell**, Sponsorship Consultant, for more details:

**T:** +44 (0) 7919 130 324    **E:** ricky@cbi-meetings.com    **W:** africa-investment-exchange.com

# Attend AIX Energy in Transition

## AIX: Energy in Transition registration

17 & 18 April 2023

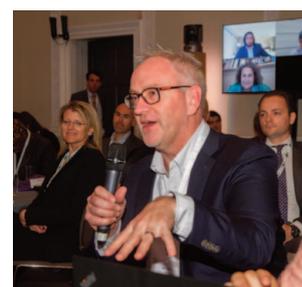
£1,560 plus UK VAT

(Includes a 20% early-bird discount until 24 February)

[Book now](#)

Alternatively, contact **Lauren Slater**, Events Coordinator, to request an invoice:

T: +44 (0) 1424 721667 E: [lauren@africa-energy.com](mailto:lauren@africa-energy.com)



### Terms & Conditions

**Payments:** All bookings made prior to the conference must be paid in full to guarantee registration. If payment is not made at the time of booking, registration will be provisional. **Cancellation:** The fee is non-refundable if cancellation is received less than two weeks before the booked meeting. For a cancellation before this date the fee will be refunded, less a handling charge of £80.

### Indemnity

Cbl Meetings is not liable for any travel and accommodation costs incurred by delegates in connection with their registration. Cbl Meetings cannot accept liability for any loss, cost or expense suffered or incurred by any person arising from reason of war, including threat of war, riots and civil strife, terrorism or threats thereof, natural disaster, weather, fire, flood, drought, technical, mechanical or electrical breakdown within any premises visited by delegates in connection with the conference, non-provision of services provided by hotel companies or transport operators, industrial disputes, government action, regulations, or technical problems which may affect the services provided in connection with the event.