



Africa Investment Exchange Energy in Transition

17-18 April 2023, RSA House, London

Key themes to be discussed:

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 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 H₂ and NH₃.

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

*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.

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Panellists

Recently confirmed in-person panellists



**Sameh
Shenouda**
AFC



**Mike
Peo**
Nedbank



**Dafe
Akpeneye**
NERC



**Christian
Bellgardt**
DEG



**Shirvine
Zhang**
Hive Energy



**Charlotte
Kirk**
Fortescue Future
Industries



**Timo
Bollerhey**
H2 Global Advisory



**Joanne
Elson**
Herbert Smith
Freehills



**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



**Gökçe
Mete**
South Pole



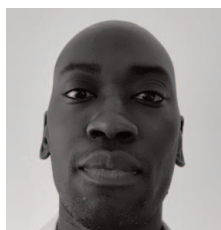
**Myles
Allen**
University of Oxford



**Hanaan
Marwah**
KOKO Networks



**Rebecca
Pynt**
Independent
Consultant



**Kwaku Boakye-
Adjei**
Tema LNG Terminal
Company



**Duncan
Wallace**
Chariot Energy



**Harry
Keeling**
Rolls-Royce



**Steve
Brann**
Vitol

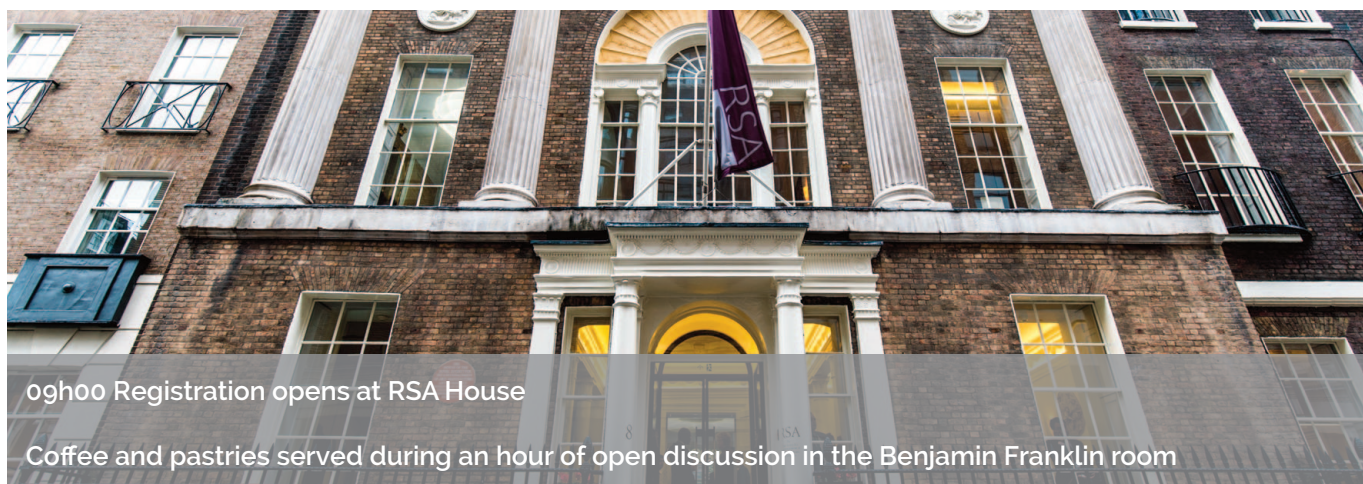


**Prince
Ojeabulu**
Rensource Energy



**Bonnie
Guo**
DFC

17 April-day one



10h00 to 11h20

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?

Dafe Akpeneye – Commissioner, NERC, Nigeria

Erica Ehst – Managing Director, Structured Finance, U.S. International Development Finance Corporation (DFC)

Gibbs Johnson – Consultant, Clifford Chance

Sameh Shenouda – Chief Investment Officer, Africa Finance Corporation

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

11h20 Coffee

17 April - day one

11h40 to 13h00

Green hydrogen markets

Chair: **Sameh Shenouda** – Chief Investment Officer, Africa Finance Corporation

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?

Christian Bellgardt – Vice President, Energy & Infrastructure Africa/Latin America, DEG

Ignacio de Calonge – Chief Investment Officer & Sustainable Finance Lead, IFC

Tarik Hamane – Vice President Hydrogen Development, Total Eren

Charlotte Kirk – Green Ammonia Expert, Fortescue Future Industries

Mike Peo – Head: Infrastructure, Energy & Telecommunication, Nedbank

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

14h15 to 15h45

Global gas and LNG markets and consequences for African energy markets

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

International geopolitics and its impact on African and global energy markets

- The resurgence of import LNG demand in Europe
- The resurgence of export led LNG (and pipeline) projects
- Which projects will actually get delivered
- Lessons learnt from Europe's energy crisis and recent gas/ LNG contracts and pricing
- Consequences for domestic African gas and power markets

Ezekiel Adesina - Executive Secretary, Africa Energy Study Group

Steve Brann - Head of LNG Origination, Vitol

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

Okechukwa Mba - Managing Director, ANOH Gas Processing Company Ltd

Duncan Wallace - Technical Director, Chariot Energy



Tavern room

14h15 to 15h00

Renewable baseload and transmission

Chair: **Joanne Elson** - Senior Associate, Herbert Smith Freehills

- 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?

Michael Ball - Director, Project Development, Africa and Europe, Wärtsilä

Fred Beelitz - Managing Director, Economic Consulting Associates

Bonnie Guo - Project Finance Director, DFC

Tavern room

15h00 to 15h45

Energy in Transition: the SMR option

UKRI's Industrial Strategy Challenge Fund (ISCF) Low Cost Nuclear Challenge Director, **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 Rolls-Royce

Rebecca Pynt – Infrastructure and Corporate Finance Advisor

15h45 Coffee

17 April - day one

Great room

16h15 to 17h30

Financing energy transition infrastructure

Chair: **Crispin Holliday** - IPP Business Development Executive

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?
- 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?

Ola Alokolaro – Managing Partner, Advocaat Law

Jonathan Berman – Managing Director, Autonomi Capital

Kwaku Boakye-Adjei – Commercial Consultant, Tema LNG Terminal Company

Erik Granskog – CEO, Milele Energy

Ann Norman – President, Saqara Energy

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

Tavern room

16h15 to 17h30

Carbon markets revisited

Chair: **Hanaan Marwah** – Chief Strategy & Investment Officer, KOKO Networks

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

Gabriel de Lastours – Regional Head, MENA, European Bank for Reconstruction and Development

Gökçe Mete – Senior Manager, Global Hydrogen Stakeholder Platform, South Pole

Greg Murray – Chief Executive Officer, KOKO Networks

Adel Serha – Director, Africa Go Green

17h30 Evening reception





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

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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 - 10h15

Green hydrogen finance

Moderator: **Mike Peo** - Head: Infrastructure, Energy & Telecommunication, Nedbank

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

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

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

Industrial pathways

Moderator: **Gibbs Johnson** – Consultant, Clifford Chance

The roundtable will look at the relationships between industrial policy – and investments – and relevant energy industries.

Tavern room 09h00 - 10h15

Africa Confidential roundtable

Moderator: **Patrick Smith** - Editor, Africa Confidential

How organised crime threatens energy security and how governments and companies can fight back?

Tanzania snapshot

Moderator: **Mark Gammons** - Head of Business Development, Tanzania, Globeleq

What is the direction of travel for Tanzania's power and gas market

- Should gas-to-power and other investors get excited

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.

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

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

10h15 Coffee

18 April - day two

AFRICA CONFIDENTIAL

10h45 to 12h15

Nigeria in a period of transition

Co-produced by Africa Confidential, the session will discuss the new administration's energy transition strategy, with invited contributions from a highly qualified panel:

Kayode Fayemi, a Nigerian politician whose many roles have included serving as governor of Ekiti State from 2018 to 2022 and was also solid minerals development minister in President Muhammadu Buhari's cabinet (November 2015-May 2018);

Wale Edun, a financial expert and former Finance Commissioner in Lagos State, is also expected to attend;

Ebipere Clark, special adviser to the Governor of the Central Bank of Nigeria and working with the National Council on Climate Change on climate finance initiatives;

Dafe Akpeneye, a leading Nigerian participant at AIX meetings, Dafe is commissioner for legal, licensing and compliance at the Nigerian Electricity Regulatory Commission (Nerc) and an authoritative voice in the wider industry;

Najim Animashaun, a deputy managing director at Dantata Solar;

Lai Yahaya, a leading public policy advisor to senior government officials and international donor agencies who has advised multiple energy governance organisations and also worked in the Nigerian presidency under Muhammadu Buhari for the first two years of the administration (2015-2017);

Patrick Smith, a regular contributor to the BBC, the Guardian, the Observer, the Economist and other international media, Patrick has been editor of Africa Confidential since 1991;

Jon Marks, founder and editorial director of African Energy, Jon is a political scientist with a long history of writing about, analysing and advising on energy industry and risk issues; and

Antony Goldman, director ProMedia Consulting, former Financial Times and BBC correspondent specialising in politics, economics and security in Africa.

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 an **exclusive early-bird discounts** on in-person events.

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

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18 April - day two

13h15 to 14h15

Southern Africa snapshot

Chair: **Tore Horvei** – Managing Director, Thunder Energy

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.
- What is the direction of travel for South Africa's power and gas market

James Doree – Managing Director, Lion's Head Global Partners

Michael Mills – Private Finance Adviser, International Climate Finance, UK Department for Business, Energy & Industrial Strategy

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

Adam Terry – Technical Director, Harmattan Renewables



14h15 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

Chair: **Sadio Wade** - Principal, Energy Infrastructure, Actis

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

Gbenga Hassan – Managing Director, Argentil Capital

Olivier Leruste – Managing Partner, Echosys Advisory

Alessandro Nanotti – Global Head of LNG, Vivo Energy

Prince Ojeabulu – Chief Executive Officer, Rensource 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.

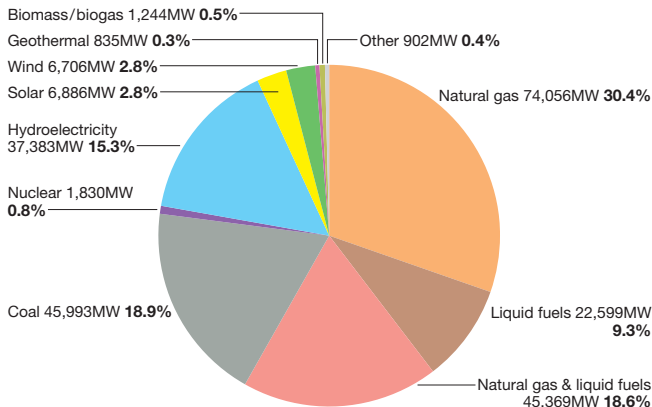
Participants will benefit from exclusive analysis based on **African Energy Live Data** - our unique platform that combines a range of analytics tools with project level detail of more than 7,000 power plants across the continent.

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

T: +44 1424 721 667

W: africa-investment-exchange.com



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.

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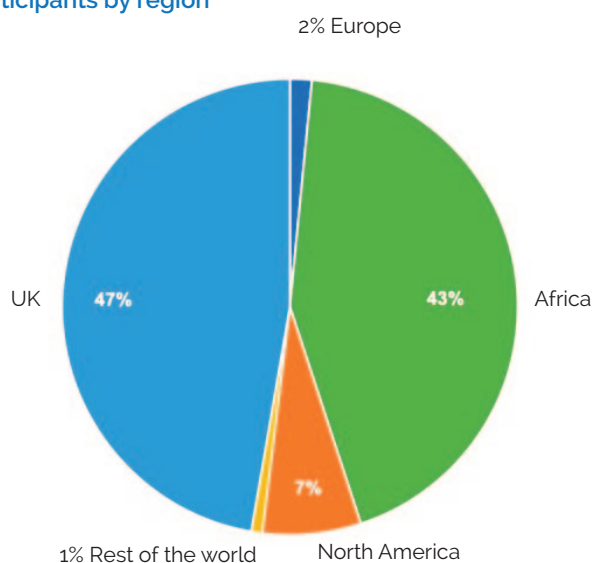
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AIX: Energy in Transition 2022

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

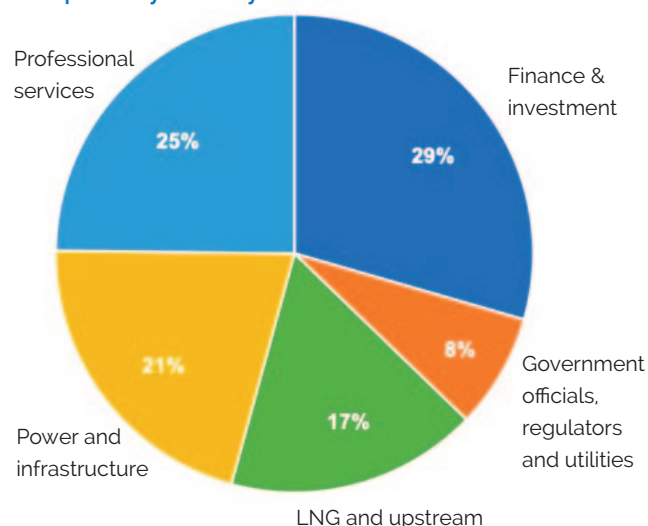
LNG and Upstream

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



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Sponsor the AIX: Energy in Transition meeting

Sponsorship package includes:

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- Full page colour advert in the meeting book
- Input on the agenda
- Photos of panel sessions for social media and web use

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- Meeting room, with tea and coffee, for sponsor to conduct private meetings with clients and potential clients
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Attend AIX Energy in Transition

AIX: Energy in Transition registration

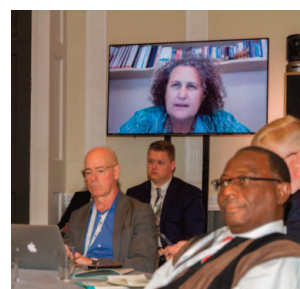
17 & 18 April 2023

£1,950 plus UK VAT

[Book now](#)

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

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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

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