

# The Africa Green Hydrogen Alliance

## Realising Africa's green hydrogen potential through government leadership

Major energy transition pathways identify green hydrogen as the most credible solution available today for decarbonizing heavy industry and transport sectors.

Six leading African countries, Egypt, Kenya, Mauritania, Morocco, Namibia and South Africa, have formed **the Africa Green Hydrogen Alliance** to intensify collaboration and supercharge development of green hydrogen projects on the African continent.

The Alliance focuses on public and regulatory policy, capacity building, financing and certification needs to mobilise green hydrogen production for domestic use and export.

Bringing African governments together to mobilise a unified African voice in global climate and energy dialogues, the Alliance will generate new industry awareness, opportunities and action.

The Alliance is a platform for collaboration with the private sector, development finance institutions and civil society.

### Delivering Africa's Green Hydrogen Potential

Grasping the opportunities posed by a new African green hydrogen industry will require a concerted effort from diverse stakeholders. These include government ministries, project developers and financiers, financial institutions, civil society and academic institutions.

Visionary private sector partners and other international collaborators can offer expertise, capacity and access to capital. At the same time, they can work with host governments and local institutions to strengthen permitting processes and project structures that deliver on national priorities for sustainable development and economic growth.

While it is important to move fast, it is equally important that African countries and project developers sign durable contracts creating conditions for long-term stable investments. Transparency and stakeholder engagement needs will be essential to build broader trust and capabilities required for rapid, large-scale industry development.

### The Leadership Alliance

The Africa Green Hydrogen Alliance was launched at the Global Green Hydrogen Assembly in May 2022.

#### Alliance Objectives

- 1. Demonstrate political leadership and ambition.** Communicate domestic and continental green industrial ambitions, planning efforts, progress announcements, and urgency of collaboration.
- 2. Mobilise key partnerships.** Make joint calls for action and requests for technical support, funding and market access to international public and private sector partners.
- 3. Establish legal and regulatory frameworks.** Put in place strong regulatory and export frameworks are in place to maximize the benefits of green hydrogen development.
- 4. Accelerate & improve market development.** Build and refine project development, procurement and financing models, such as green bond and fund structures, land and project tendering, to advantage local communities and economies.
- 5. Enhance technology development.** Share technical insights and capabilities across RD&D to build world-class domestic supply chains and infrastructure optimised for local end-uses.
- 6. Advance certification and standards.** Define, test and procure leading edge certification standards.

“With its huge renewable energy resource wealth and land space, Africa has a chance to become a frontrunner in this burgeoning green hydrogen industry, creating zero-emission jobs, domestic energy supplies and export revenues fit for a decarbonised future. But to get there, we need radical collaboration across the governments, the private sector and civil society to set the right policy and investment frameworks, and we need to secure long-term offtake agreements.”

The Africa Green Hydrogen Alliance will go a long way in fostering these developments.”

UN Climate Change High-Level Champions  
**Nigel Topping and Dr. Mahmoud Mohieldin**

## Members



### Egypt

[The Ministry of Electricity and Renewable Energy \(MOERE\)](#)

“Egypt aims to be one of the largest exporters of green hydrogen in the African region. With COP27 happening at Sharm el-Sheikh this year in Egypt, all eyes are on us and thus we are working to announce our national green hydrogen strategy at the COP27.”

**Ahmed El Sayed Hafez**, Section Head  
Technical Office at the Ministry of Electricity and Renewable Energy. Egypt



### Kenya

[Ministry of Energy](#)

“Collaboration, as is envisioned in the African Green Hydrogen Alliance (AGHA) is going to be the key- we need to work together and learn together on what is working and what is not and build smart partnerships.”

**Eric Mwangi**, Economic Advisor to the Cabinet Secretary.  
Ministry of Energy



### Mauritania

[Ministry of Petroleum, Energy & Mines](#)

“Mauritania is developing its strategy to become a leading green hydrogen producer.”

**Tourad Abdel Baghi**, General Director. Mauritania National Oil Company



### Morocco

[Research Institute for Solar Energy and New Energies \(IRESEN\)](#)

“We can develop win-win alliances and position ourselves as an African green hydrogen hub.”

**Samir Rachidi**, Director general. IRESEN



### Namibia

[Office of the President and the Green Hydrogen Commission](#)

“Before we think of exporting green hydrogen outside the continent, we need collaboration amongst the African countries to identify opportunities within the continent- before we think of transporting to far off countries, we can think of how to use the product for ourselves - that will be much easier.”

**Hon. Tom Alweendo**, Minister of Mines and Energy. Namibia

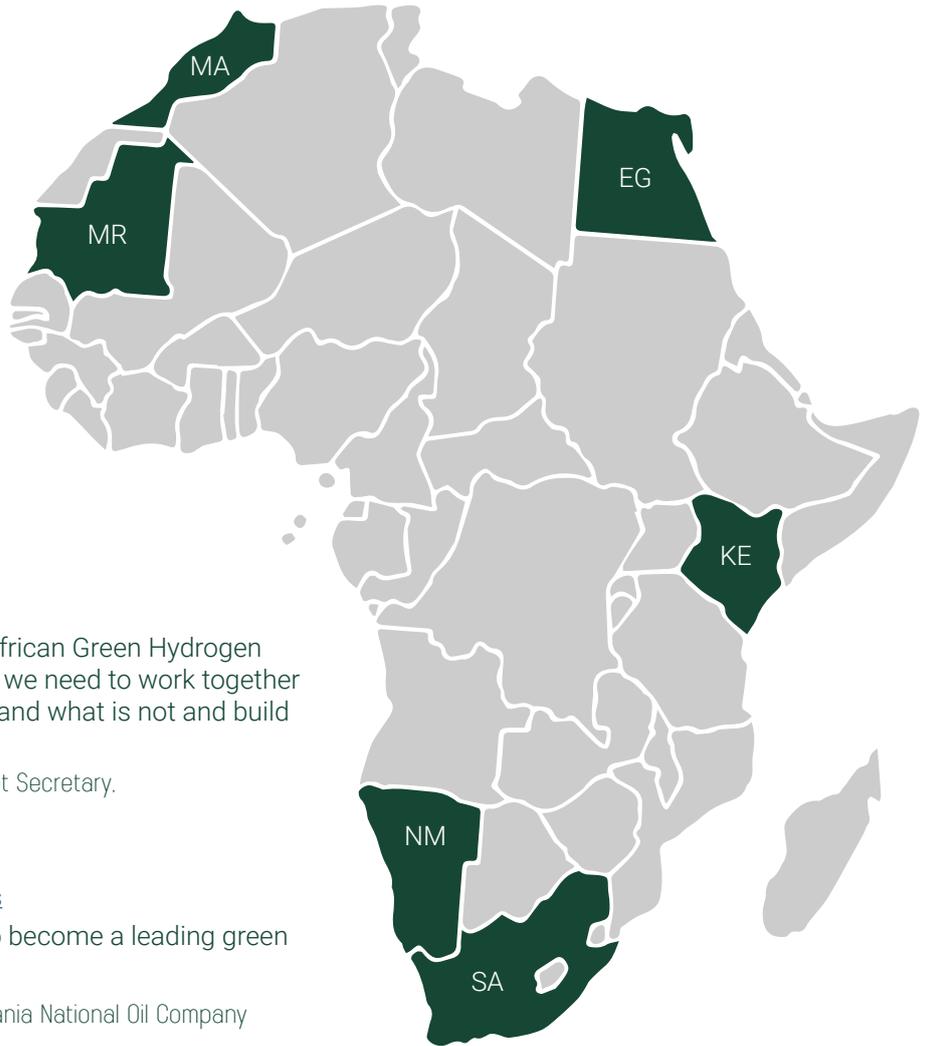


### South Africa

[Ministry of the Presidency](#)  
[Industrial Development Corporation](#)

“There is potential of a massive demand and supply of green hydrogen in Africa, we have got the geography, we have got the natural endowment, to enable us to become biggest producer of green hydrogen in the world.”

**Zamani Saul**, Premier of the Northern Cape. South Africa



## Observers

- [Africa Development Bank \(AfDB\)](#)
- [African Union Development Agency-NEPAD \(AUDA-NEPAD\)](#)

## Secretariat

- [Green Hydrogen Organisation](#)
- [UN Climate Change High Level Champions](#)
- [United Nations Economic Commission for Africa](#)
  
- For further information, visit: [climatechampions.unfccc.int/africa-green-hydrogen-alliance/](https://climatechampions.unfccc.int/africa-green-hydrogen-alliance/)
  
- Please contact **[africa-alliance@gh2.org](mailto:africa-alliance@gh2.org)** for further information about how to get involved with the Africa Green Hydrogen Alliance.

The Alliance is inviting more countries to join in this effort, responding to the opportunities presented by lower cost renewables, fast-developing electrolyser technology, and signals in some [major markets](#) that green hydrogen demand is likely to emerge at scale this decade.