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INDUSTRIAL DEVELOPMENT ORGANIZATION



# Accelerate-to-Demonstrate (A2D) Facility First Call-for-Proposals – Announcement Event

Thursday, 18 July 2024, from 3 to 4 p.m. (CEST)

# Agenda

## Introduction by moderator

- Mr. Ciyong Zou, Deputy to the Director General and Managing Director, UNIDO

## Opening statements

- Mr. Gerd Müller, Director General, UNIDO
- H.E. Ms. Corinne Kitsell, Ambassador, United Kingdom Mission

## Presentation of the UK Government's climate innovation support

- Mr. Paul Durrant, Head of Climate Innovation, Department for Energy Security and Net Zero, United Kingdom of Great Britain and Northern Ireland

## Presentation of the A2D Facility

- Mr. Peter Warren, Senior Technical Advisor, A2D Facility, UNIDO

## Regional perspectives

- H.E. Mr. Philbert Abaka Johnson, Permanent Representative of Ghana to UNIDO, Chair of the African Group
- H.E. Ms. Evangelina Lourdes Bernas, Permanent Representative of the Philippines to UNIDO, Chair of the Asia-Pacific Group
- Mr. Natanael Pineda, Attaché in the Embassy of Panama to Austria and Permanent Representation to the United Nations in Vienna, with Panama serving as the Chair of GRULAC

## Closing remarks

- Mr. Ciyong Zou, Deputy to the Director General and Managing Director, UNIDO



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## Welcoming remarks

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Mr. Ciyong Zou, Deputy to the Director General  
and Managing Director, UNIDO



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## Opening statements

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Mr. Gerd Müller, Director General, UNIDO



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## Opening statements

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H.E. Ms. Corinne Kitsell, Ambassador, United  
Kingdom Mission



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## Presentation of the UK Government's climate innovation support

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Mr. Paul Durrant, Head of Climate Innovation,  
Department for Energy Security and Net Zero,  
United Kingdom of Great Britain and Northern  
Ireland



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## Presentation of the A2D Facility

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Mr. Peter Warren, Senior Technical Advisor, A2D  
Facility, UNIDO

## Rationale for the A2D Facility

- ❖ Accelerating clean energy innovation is increasingly recognized as vital in global efforts to **combat climate change and to meet the Sustainable Development Goals (SDGs)**.
- ❖ The International Energy Agency (IEA) highlights that almost half of the emissions reductions necessary for achieving a global **net-zero scenario by 2050 will come from technologies that are still in the demonstration** or prototype phase.
- ❖ The A2D Facility fills an important gap in international climate finance support to developing countries by **targeting the demonstration phase of the innovation chain**, bridging earlier-stage and commercial-scale projects.



# Overview of A2D Facility

## ➤ Aims and impacts:

- To accelerate the commercialization of innovative clean energy technologies in developing countries by supporting “lighthouse” pilot demonstration projects of innovative clean energy technologies in developing countries in the following key thematic areas:

- Critical minerals
- Clean hydrogen
- Smart energy
- Industrial decarbonization



- Supporting developing countries to achieve SDGs 13 (climate action), 1 (no poverty) and 9 (industry, innovation, and infrastructure), while also generating co-benefits.

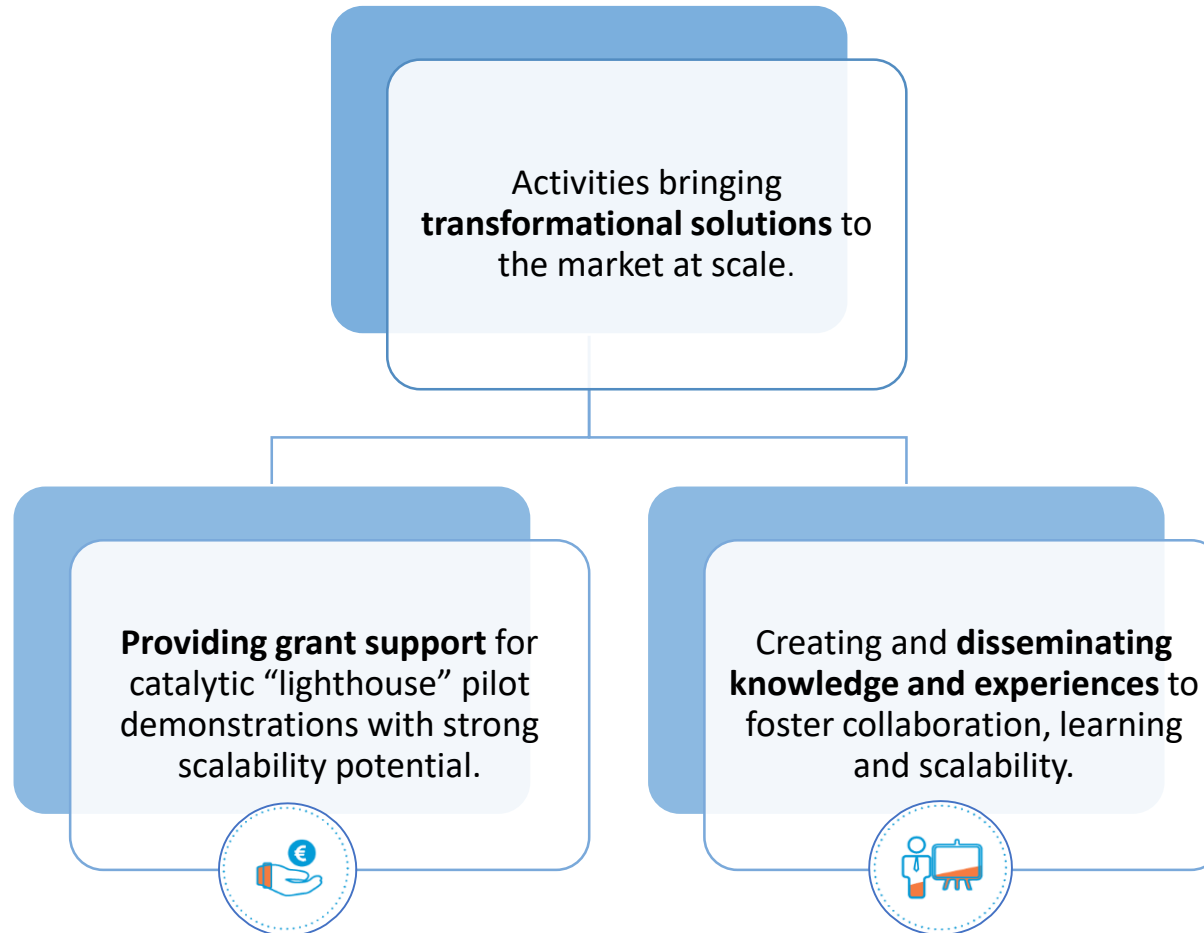
## ➤ Funding and timescales:

- GBP 65 million (~USD 80 million) from UK Government’s Department for Energy Security & Net Zero (DESNZ) – Official Development Assistance (ODA) (international climate finance)
- Programme currently operates from April 2023 to March 2029 and supports projects through funding calls.
- Year 1 achievements: Year 1 Annual Report has been published today.



# Activities of A2D Facility

The A2D Facility is a global (developing country-focused) programme that focuses on the following activities:



## Importance of thematic areas-of-focus

### Critical Minerals

- Challenge: limited supply and high demand for critical minerals essential for clean energy.
- Innovation: demonstrations of solutions to decarbonize refining, processing and recycling.

### Clean Hydrogen

- Challenge: risk of developing countries being left behind in clean hydrogen adoption.
- Innovation: demonstrations of solutions to accelerate the commercialization of decarbonized hydrogen production and use.

### Initial thematic areas-of-focus

### Smart Energy

- Challenge: inefficiencies in energy use in manufacturing, power, transport, buildings.
- Innovation: smart systems (smart grids, use of AI & blockchain for energy management)

### Industrial Decarbonization

- Challenge: Growing industrial emissions due to increased urbanization and demand.
- Innovation: demonstrations of clean energy technologies in energy-intensive industries.



# Illustrative examples

## UNIDO's A2D Facility - Illustrative Project Examples



### Critical Minerals

- Urban Mining
- Processing, Refining and Re-Purposing
- Supply Chain Optimisation
- Alternative Materials Research



### Clean Hydrogen

- Innovative Electrolysis Technologies
- Innovative Catalyst Development, Materials Science and System Design
- Innovative Integration and Optimization Technologies



### Smart Energy

- Renewables Adoption through Digital Transformation
- Smart Grids and Smart Micro-Grids
- Digital Solutions support Electric Mobility
- Smart Energy Storage Systems



### Industrial Decarbonization

- Fuel Source Decarbonization
- Process Decarbonization and Optimization

# News

The A2D Facility has published the [first call-for-proposals](#) (open from 8 July to 19 August)

We are also happy to announce the launch of the [A2D Facility Year 1 Annual Report](#) and [website](#).



**A2D FACILITY CALL FOR PROPOSALS PUBLISHED**

Publication date: 8 July 2024  
Deadline: 19 August 2024

Clean Hydrogen H<sub>2</sub> Smart Energy  
Industrial Decarbonization Critical Minerals

The banner features a central circular graphic with a green and blue background, depicting industrial and energy infrastructure. Labels for 'Clean Hydrogen H<sub>2</sub>', 'Smart Energy', 'Industrial Decarbonization', and 'Critical Minerals' are placed around the graphic.



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Progress by Innovation

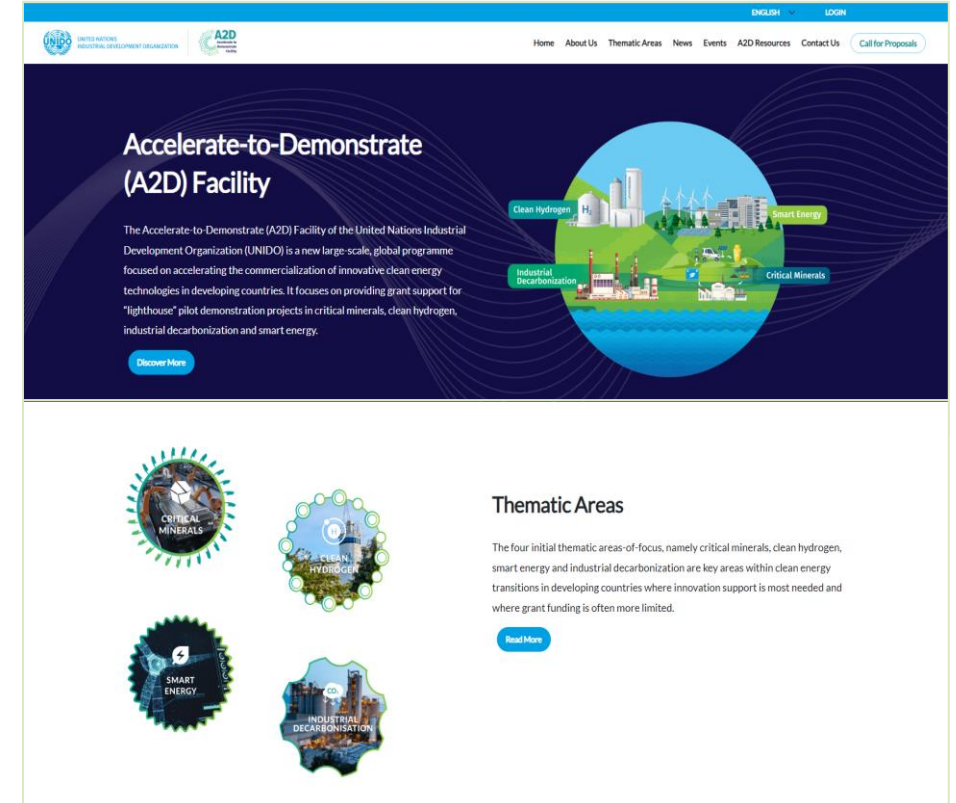
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Accelerate to  
Demonstrate  
Facility

Clean Hydrogen H<sub>2</sub> Smart Energy  
Industrial Decarbonization Critical Minerals

**Accelerate-to-Demonstrate (A2D) Facility**  
YEAR 1 ANNUAL REPORT

APRIL 2023 - MARCH 2024

The cover features the same central circular graphic as the call for proposals banner, with the UNIDO and A2D logos at the top and the report title and date at the bottom.



ENGLISH LOGIN

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## Accelerate-to-Demonstrate (A2D) Facility

The Accelerate-to-Demonstrate (A2D) Facility of the United Nations Industrial Development Organization (UNIDO) is a new large-scale, global programme focused on accelerating the commercialization of innovative clean energy technologies in developing countries. It focuses on providing grant support for "lighthouse" pilot demonstration projects in critical minerals, clean hydrogen, industrial decarbonization and smart energy.

[Discover More](#)

### Thematic Areas

The four initial thematic areas-of-focus, namely critical minerals, clean hydrogen, smart energy and industrial decarbonization are key areas within clean energy transitions in developing countries where innovation support is most needed and where grant funding is often more limited.

[Read More](#)

[www.A2DFacility.unido.org](#)

The website homepage features a dark blue header with navigation links. The main content area has a dark blue background with a large circular graphic on the right side, similar to the one in the call for proposals banner. Below the main content, there are four circular icons representing the thematic areas: Critical Minerals, Clean Hydrogen, Smart Energy, and Industrial Decarbonization.



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## Regional perspectives

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## Closing remarks

Mr. Ciyong Zou, Deputy to the Director General  
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# Thank you

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