

Oman Green H₂ Auction



Round 3 Information & Details

30 April 2025



Introducing Round 3 of Oman green hydrogen auction

Oman today



Oil & gas

Oman tomorrow



Green Hydrogen

Road to net zero by 2050

3 main factors strongly position Oman to seize the energy transition opportunity

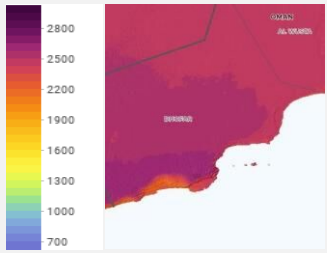


Significant renewables potential



Solar PV potential¹

kWh/m²

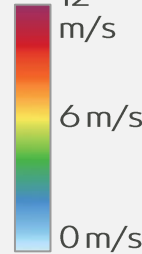


>2400 kWh/m²



Wind speed

m/s



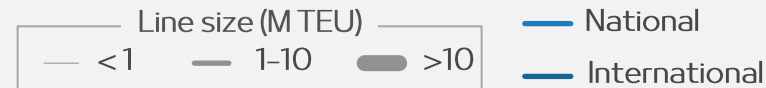
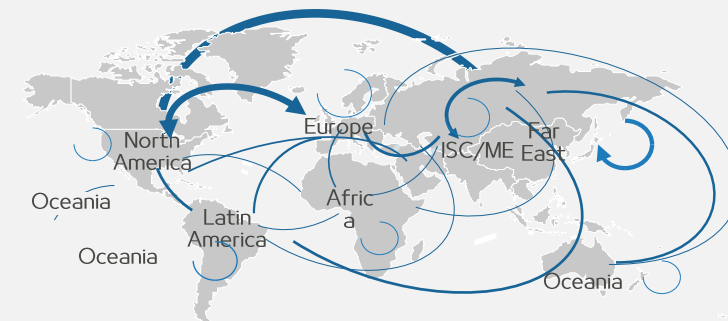
Up to 11 m/s

- 50,000 km² of land with prime natural resources, with
 - Significant solar PV potential, up to 2500 kWh/m² of solar irradiation
 - Significant wind speed and capacity factor reaching 53% in selected areas



Favorable location and geopolitical outlook

Container Trade route volume in 2019 (M TEU)⁴

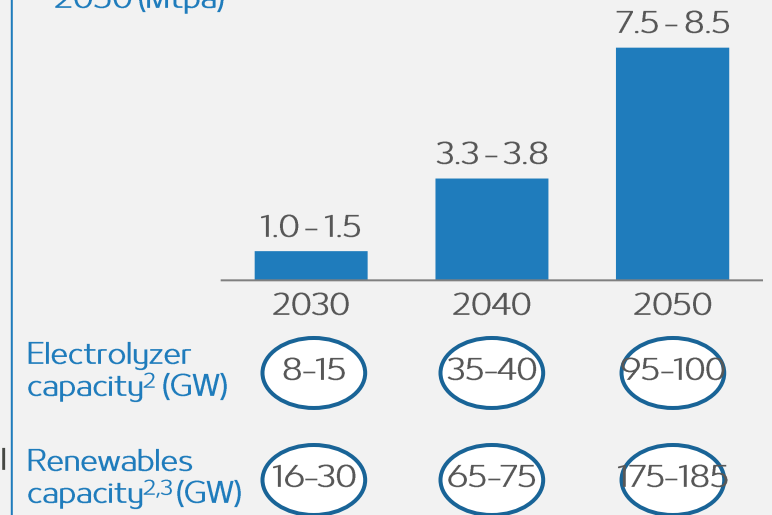


- >10% of all global trade passes through the Strait of Hormuz and Bab El-Mandeb
- >40% of global container capacity passes through the Red Sea and Suez Canal
- Positive geopolitical outlook given relationship with all major trade clusters (Europe, US, China)



Ambitious hydrogen program

Green H₂ production ambition for Oman in 2030-2050 (Mtpa)



- 2 bid round for hydrogen projects awarded with Round 3 to be awarded in Q2 2026
- Oman expected to become among top 10 H₂ exporters by 2030 according to IEA

1. Global Horizontal Irradiation (GHI) 2. Approximate values for Duqm, Oman 3. Includes 25% buffer over Renewables needed for electrolyzers to account for Balance of plant load (which includes NH₃ synthesis loop, Storage tanks for H₂/NH₃, another auxiliary facilities load). Assumption: Sustainable Development Scenario (2°C) 4. Figures do not include intra-zone trades apart from Intra China and Intra Europe
Source: Global solar atlas, Global wind atlas (July '22); IEA; IHS GTA Forecasting May 2020, joe Biden.com; Press search; Team analysis

Oman has 5 strategic objectives to move into Green H₂



Ensure **energy security** for Oman and global demand



Diversify the **local economy**, onshore the supply chain, forward connect industries and create local long-term jobs



Decarbonize the country to safeguard a sustainable future



Create a Green H₂ sector with a **competitive** LCOH for export markets and attractive for **Foreign Direct Investments**



Support **innovation** and ensure capabilities development for Oman



Oman's concrete actions to develop its H₂ economy

**50,000
km² of land**

Land allocated for gH₂
production projects

**Hydrogen
auctions**

Clear process, 2 auction
rounds completed, and 1
underway

**8 projects
awarded**

~1.38 mtpa of H₂ by 2030
with +49 B\$ investments

**Oman gH₂
Strategy**

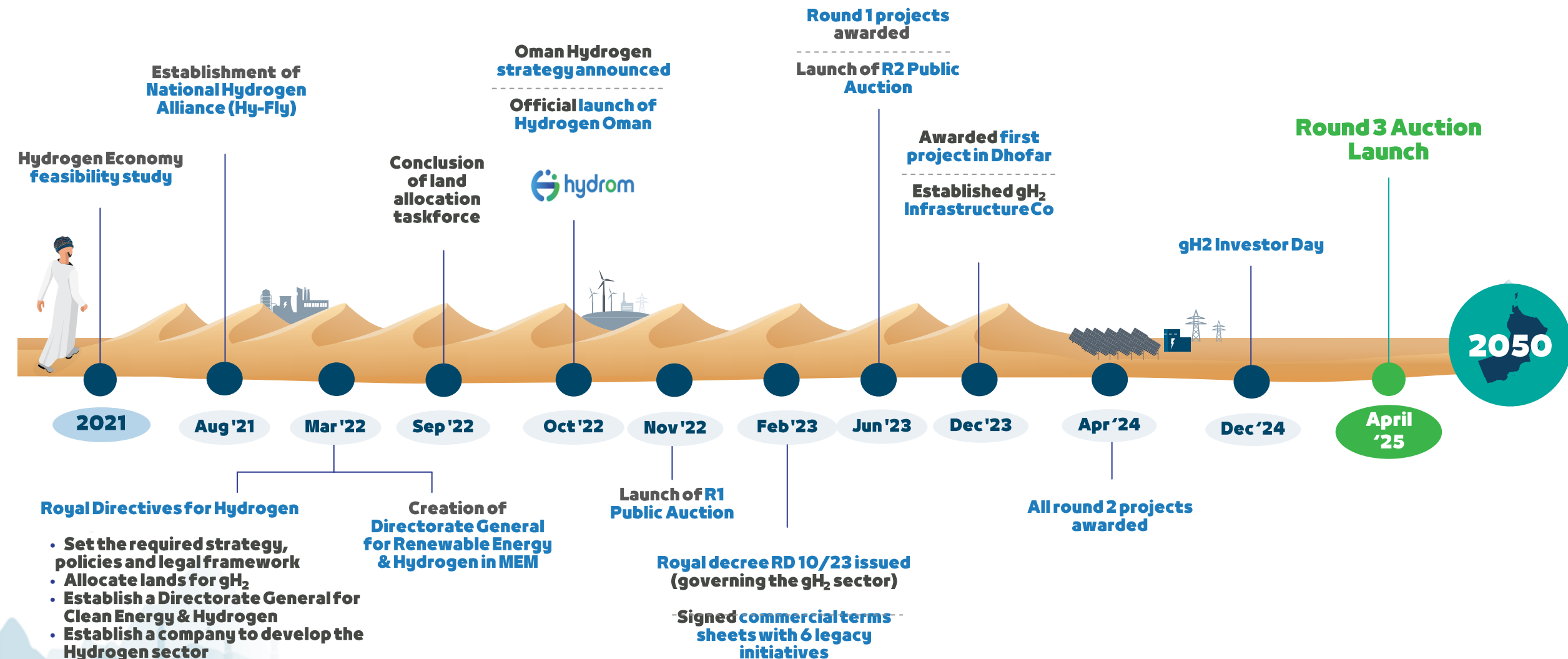
Provided clarity and direction

**Shared infrastructure
for gH₂**

Master planning finalized; pre-feed activities underway



Oman already made significant steps in its H₂ journey

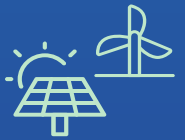


Currently open H₂ public auction: Round 3

Hydrom makes available up to 300 km² in Duqm region



100 km away from Special
Economic Zone at Duqm







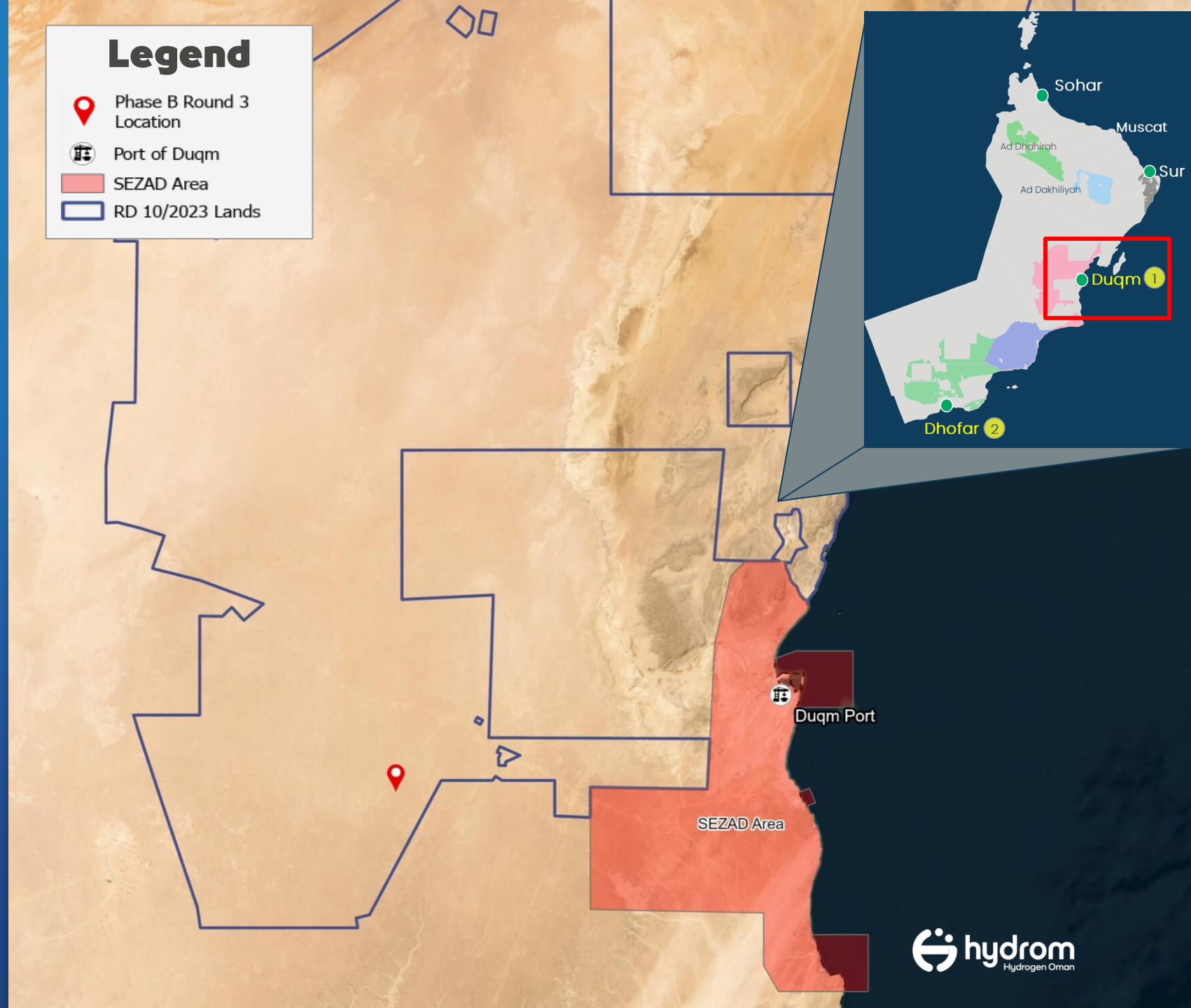
World-class wind and solar
irradiation profiles



Access to key demand
markets in EU and Asia

Legend

-  Phase B Round 3
Location
-  Port of Duqm
-  SEZAD Area
-  RD 10/2023 Lands








Round 3 | Bidders have up to nine months to submit bid



RFQ = Request for Qualification; DL = Deadline; SOQ = Statement of Qualification; RFP = Request for Proposal; Note: Round 3 timeline is indicative and might have minor changes; Consultations and 1-to-1 Q&As sessions will be organized by Hydrom and bidders; 1. If SOQ submission will occur after SOQ Target Submission Date, qualification notification will not be guaranteed before RFP release



Round 3 | Overview of key project parameters, details will be shared in RFQ / RFP

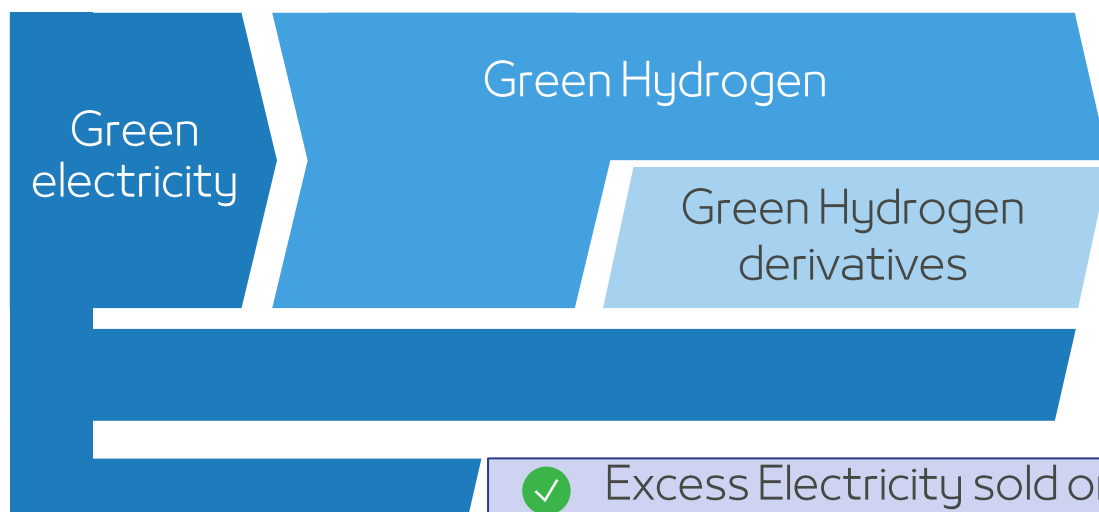
Parameter	Detail
 Duration	<ul style="list-style-type: none">• 47 years from project development & land sub-usufruct award
 Oman take	<ul style="list-style-type: none">• Land fees to be paid for the used part of land once production starts• Base royalties and Upside fee• Corporate tax applies• Back-in right for Beneficiary to acquire share in Project Company
 Scope	<ul style="list-style-type: none">• Integrated projects to produce Green H₂ & potentially derivatives (RES generation, H₂ production, derivatives conversion, offtake)• A minimum target H₂ production will be required• Infrastructure to be shared between projects
 Incentives	<ul style="list-style-type: none">• Reduced land fees in development & construction phase• ICV incentive fee to decrease with increasing level of Omanization
 Conditions	<ul style="list-style-type: none">• Option to supply surplus renewable electricity to the grid subject to regulator approvals

Note: RES = Renewable Energy Sources



Round3 | Oman expects green H₂ for supply to local industry or conversion to derivatives as End Product with sale of excess power¹ being explored

gH₂ project allowed end products



- ✓ gH₂ to (new) local industry
- ✓ Domestic market and export of gH₂ derivatives
- ✓ Electricity to connected downstream local industry¹ (up to a certain cap)

✓ Excess Electricity sold on spot market not allowed² in R1/R2 – to be opened for exploration in R3¹

1. The sale of green electricity is restricted and may only occur to the Project Company's downstream Facilities after satisfying the minimum hydrogen production thresholds. Any potential sale of surplus electrical energy beyond the Project scope is currently under exploration and remains strictly subject to regulatory approvals and alignment with national energy policy objectives. No assurances can be made at this stage regarding market access or timing.



Round 3 | Auction conditions have evolved based on learnings and feedback from previous rounds



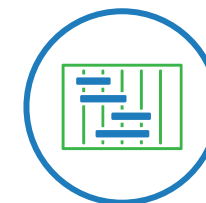
Custom Land Configuration Within Offered Block

Developers can select their preferred site and project land size within a defined 300 km² block. This new approach replaces fixed land allocations, allowing bidders to tailor project scope and location based on their production strategy, starting from a minimum of 100 km².



Streamlined qualification criteria

Applicants can now qualify by meeting a flexible combination of financial, development, and operational criteria, enabling broader participation while maintaining project credibility.



Adaptive Auction Timelines

Round 3 includes an extended nine-month window from RFQ to bid submission, giving developers the time needed to qualify, structure their bid, and secure consortium members.



Bank Guarantee Waived

Introduced in Round 2 and maintained in Round 3, developers are not required to submit a performance bond during the development phase, easing early-stage financial pressure and enabling broader participation.

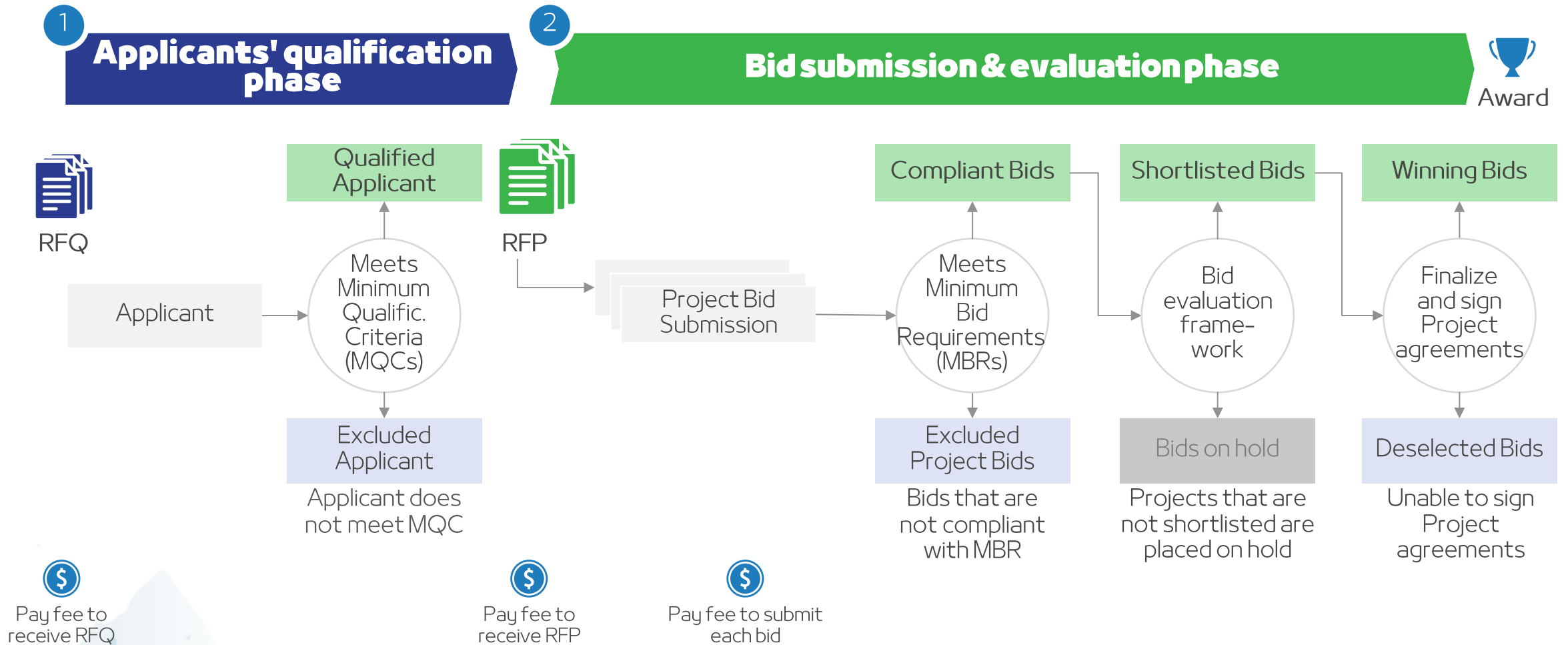


Facilitated Matchmaking Support

Opportunities for matchmaking are available during the auction stage, offering visibility into registered participants to support potential consortium building and early alignment among interested parties.



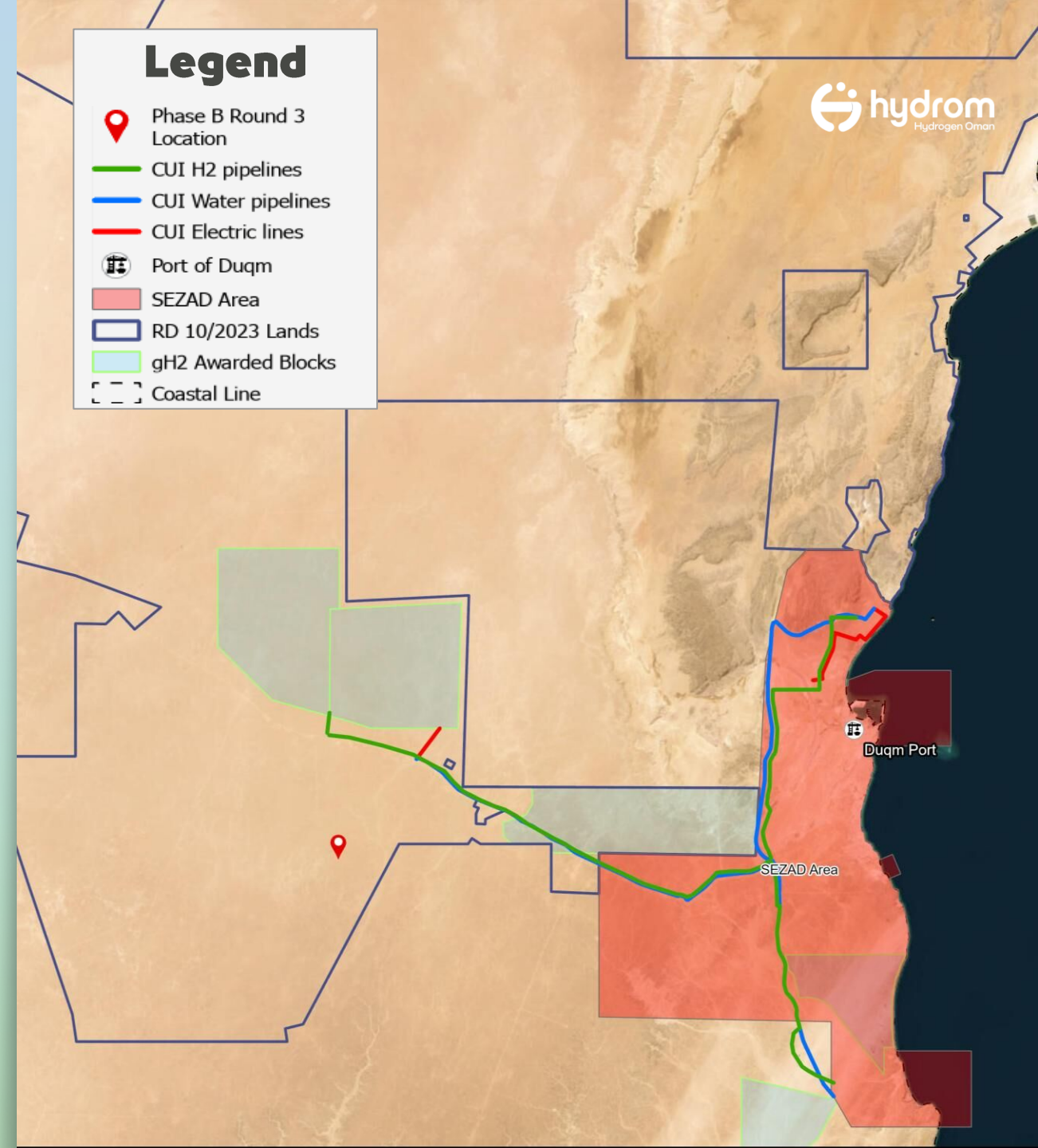
Round 3 | Overview of auction process



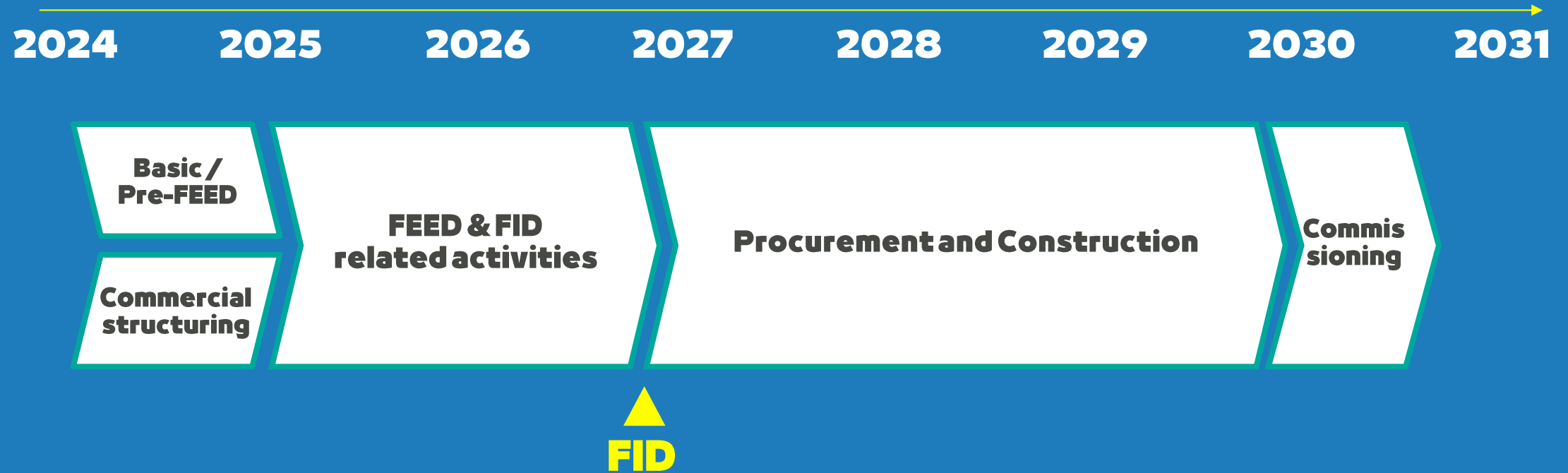
Shared infrastructure to be provided to Project Companies



Duqm Common Infrastructure development scope



Common Infrastructure **development timeline**




Hydrogen Transport

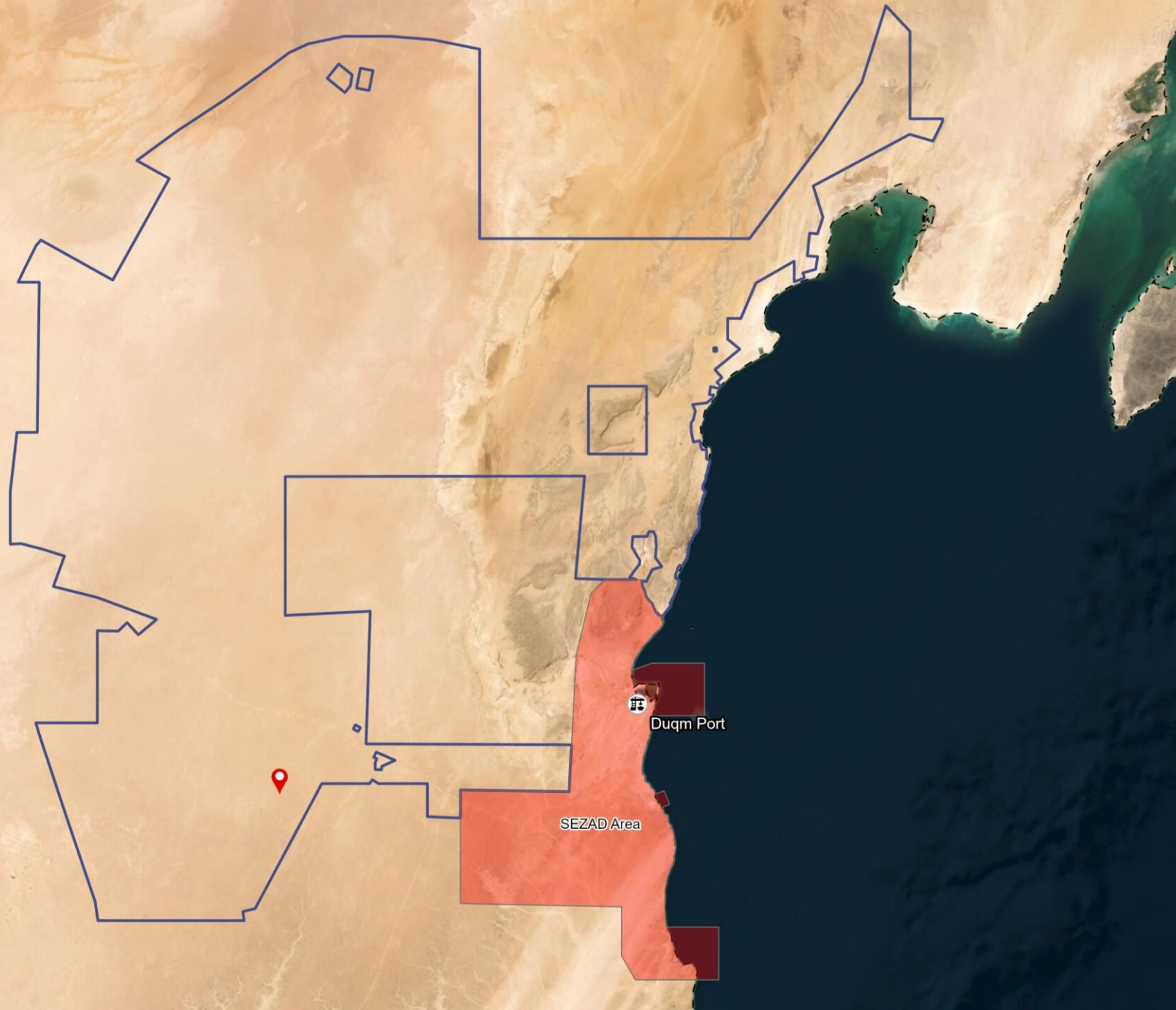

Electricity Transmission


Desalination & Water Transport

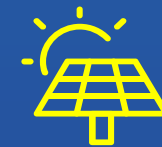
FID = Final Investment Decision

High-level overview of auctioned block

In Round 3 Public Auction, Hydrom is auctioning up to 300 km² in the Duqm region



Up to 8.3
m/s
Mean wind speed
range



2310–2314
kWh/m²
Mean Solar irradiation

Round 3 | High level overview of the block details

Location

Zone 1, South-Central Oman (Duqm)

Size

Up to 300 km² (Minimum bid size: 100 km²)

Avg. wind speed (m/s)

7.1–8.3

Avg. solar irr. (kWh/m²)

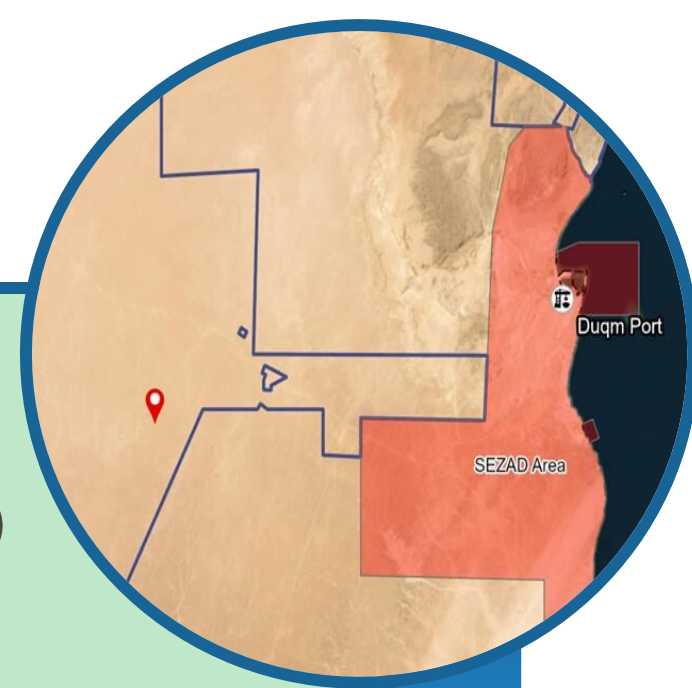
2310 - 2314

Topography

Level terrain with minimal development constraints

Phasing

Phased execution is not permitted within awarded block. Applicants may request additional lands for future expansions.



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Oman Value Drivers to succeed in the gH₂ business



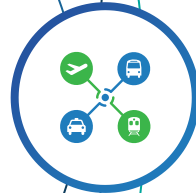
World-class resources & strategic location

The Sultanate of Oman, strategically located between two key H₂ demand centers (Europe & Asia) has earmarked 50,000 km² of land with prime natural resources



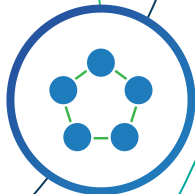
Business friendly environment

Oman is economically & politically stable, with long-term partnership in the energy sector and is home to a young and talented local workforce



Available tier-1 infrastructure & logistics

International companies looking to localize their business can get access to developed infrastructures & connections to international trade routes



Open, structured & transparent process to develop H₂ projects

The Sultanate has defined an open and transparent auction process to award H₂ projects supported by a well-defined sector governance



Results oriented and fast-moving Omani H₂ sector

8 projects awarded from Public Auction & Legacy Initiatives in a record time, positioning Oman as one of the world's leading gH₂ hubs

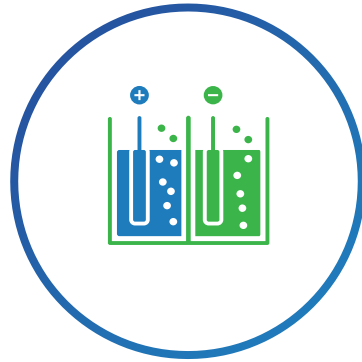
Five potential roles for international players to play in Oman and contribute to the growth of green H₂ economy



H2 project
developers



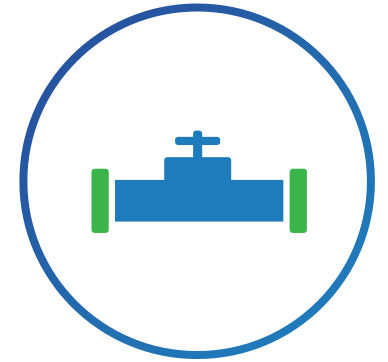
H2 financial
partners



H2 equipment
providers (OEMs)



H2 industrial
off-takers



Infrastructure
developers



Production
equipment



Technical
skillset



R&D
capabilities



Knowledge-based
workforce



Round 3: Next steps and useful information



Immediate next
steps for
interested
applicants

- **Register on the Auction Platform by filling the form**
- **Download the instructions available on the platform**
- **Sign the Confidentiality Undertaking and pay the fee to receive RFQ**

Each company (individually if part of a consortium) will need to sign a Confidentiality Undertaking and pay a fee of 5,000 USD¹ to receive the RFQ



**Auction Platform
registration**

PLEASE NOTE: Developers who participated in any (registration, RFQ, RFP) stage of previous rounds, must re-register in order to gain access to the Round 3 RFQ and submit a Statement of Qualification to qualify for the RFP stage in Round 3

1. VAT excluded

Live demonstration on Auction Platform

Live Platform Demo



Watch our step-by-step demo on how to register and navigate the Round 3 Auction Platform.

[Click here to view the demo](#)



Hydrom will be honored to meet international players and provide further information on gH₂ opportunities in Oman



H₂ project developers



H₂ financial partners



H₂ equipment providers (OEMs)



H₂ industrial off-takers



Infrastructure developers



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THANK YOU

