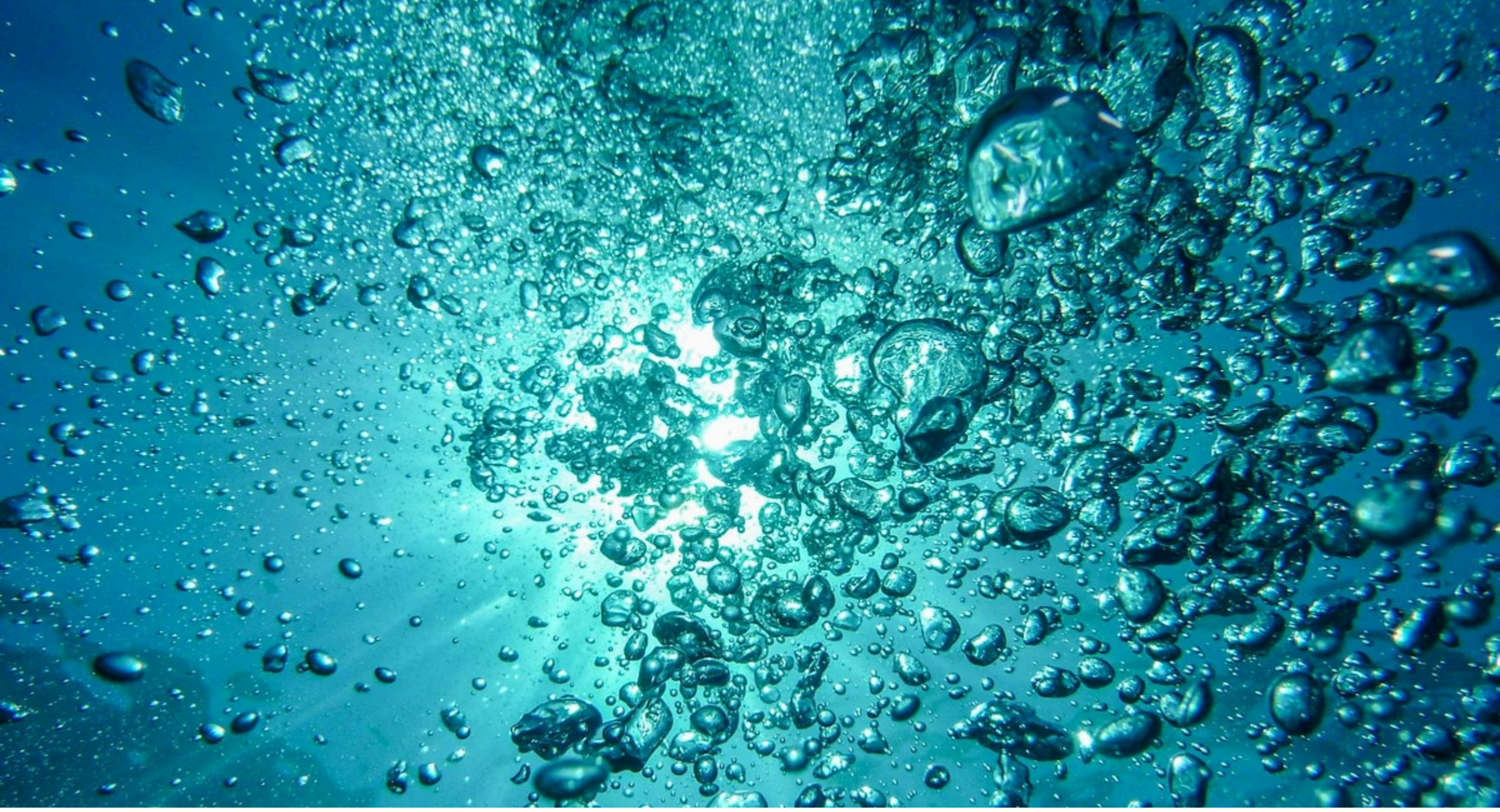

Ocean-H2 | Offshore Clean Hydrogen Production for Multiple Uses

Malta's National Policy for Offshore Renewable Energy

Key Insights for Offshore Hydrogen and the Blue Economy

A strategic framework shaping Malta's clean-energy future and offshore hydrogen pathways

SLIDE 02 — POLICY OBJECTIVES

What the Policy Aims to Achieve

Offshore Deployment

Enable floating wind and solar technologies in Maltese waters.

Energy Security

Diversify Malta's energy mix and reduce import dependency.

Investment & Jobs

Attract capital, reduce regulatory risk, and create green employment.

R&D & Infrastructure

Foster innovation and develop port capacity for offshore operations.

SLIDE 03 — TECHNICAL CONSTRAINTS

Key Challenges for Offshore Development

💰 High Project Costs

Offshore capital expenditure remains a significant barrier.

🌊 Deep Bathymetry

Seabed depth demands floating rather than fixed-bottom structures.

🏗️ Limited Port Capacity

Local industrial and port infrastructure requires significant upgrades.

⚡ Grid Integration

Malta's small, isolated grid poses stability and connection challenges.

SLIDE 04 — POSSIBLE SOLUTIONS

Policy Responses & Proposed Measures

01

Clear Project Lifecycle Framework

From site allocation and permitting through O&M to decommissioning.

02

Floating Wind & Hybrid Systems

Adoption of floating technologies and hybrid offshore configurations.

03

Maritime Spatial Planning

Strengthened MSP to balance offshore uses and minimise conflicts.

04

Financial Mechanisms

CfD, PPA, and revenue-stability tools to de-risk investment.

SLIDE 05 — DEVELOPMENT AREAS

Where Development Will Be Focused

EEZ Priority Zones

Areas identified within Malta's potential Exclusive Economic Zone.

Within 25 NM

Priority zones within 25 nautical miles from the coast or median line.

Data-Driven Selection

Sites chosen using wind resource data, bathymetry, and conflict-minimisation criteria.

Floating wind is identified as the primary feasible technology for Malta's offshore conditions.

SLIDE 06 — PHASED ROADMAP

Implementation Timeline

1

2024 – 2026

Policy foundations, stakeholder consultation, and offshore site identification.

2

2026 – 2028

SEA/EIA processes, grid studies, port upgrades, and investor engagement.

3

2028 – 2032

Construction of first offshore renewable projects and O&M capacity building.

4

2032 – 2050

Scale-up of offshore renewables and integration with hydrogen production pathways.

OCEAN-H2 PROJECT

Offshore Renewables: Malta's Strategic Pillar

> "Offshore renewables are a strategic pillar for Malta's clean-energy future and a key enabler for offshore hydrogen pathways."

📄 Read the Policy

Access the full Maltese National Policy for the Deployment of Offshore Renewable Energy

MEE-National-Policy-23_-DIGITAL-.pdf

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