

**Country:** Kingdom of Morocco.

**PEA:** L'Institut de Recherche en Énergie Solaire et Énergies Nouvelles (IRESEN)

**Tender Notice**

**Ref.:** MO-IRESEN-01

**Title:** "German-Moroccan Thematic PtX-Programme – Component 2, Financial Support to the GH2A Plattform"

**KfW Tender No.:** 510010

**Project Name:** Consulting Services for Project definition and Implementation Consultants

**Type of Notice:** Expression of Interest - Prequalification

**Tenderer:** L'Institut de Recherche en Énergie Solaire et Énergies Nouvelles (IRESEN)

**Proj. No.:** 2020.68.138

The Government of Germany (GoG), through KfW, is supporting the Kingdom of Morocco with the German-Moroccan Thematic PtX-Programme – Component 2, Financial Support to the GH2A Plattform

**Requested Services:**

IRESEN is the project executing agency. IRESEN was founded in 2011 as Institut de Recherche en Energie Solaire et Energies Nouvelles of the Ministry of Energy (MTEDD).

IRESEN has identified, among others, the following potential applications and facilities at different locations (focus on Jorf Lasfar): Green hydrogen production, green hydrogen transport (high pressure applications, organic carrier fluids), ammonia and fertilisers, methanol and synthetic fuels, carbon capture from industrial applications and from the air, alternative propulsion technologies.

The Consultant will support IRESEN at different levels:

- Level 1,
  - o Diagnosis and analysis of the potential and role of IRESEN to support PtX in Morocco,
  - o Analysis of the potential projects that IRESEN and its partners has identified to be further developed
  - o Feasibility and definition of the demonstration projects to be implemented and presentation to the relevant stakeholders for final decision.
- Level 2
  - o Design a viable PtL demonstration project,
  - o Prepare and Conduct the tender process to select a Contractor
  - o Act as Implementation Consultant during design, construction, commissioning, and Defect Notification Period until Final Acceptance
  - o The Consultant will act as the Engineer or the Employer Representative as per FIDIC Contracts.

The following timetable is foreseen:

- The Consultant is expected to start their work in Q1 2024
- IRESEN sustainable model definition, suitable projects identification and project preparation during Q1/2024-Q2/2024
- Project design, Tender and Contractor Selection during Q2/2024-Q1/2025
- Design, Build and Commissioning during Q1/2025-Q2/2026
- Monitoring till Final Acceptance during Q2/2026-Q2/2027

For further information and to obtain the tender documents, please, contact:

Attention: **Jorge Servert del Rio (Tender Agent)**  
Address: Email: [Tender202068138@redttc.com](mailto:Tender202068138@redttc.com)

**Country:** Kingdom of Morocco

**Deadline:** 31<sup>st</sup> July 2023

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**Short description of the goods/services tendered**

IRESEN has identified potential applications for Power to X (PtX) and facilities at different locations.

The Consultant will support IRESEN at different levels:

- Diagnosis and analysis of the potential role of IRESEN to support PtX in Morocco and definition of the demonstration projects to be implemented
- Prepare and conduct the demonstration project tender, act as Implementation Consultant during design, construction, commissioning, and Defect Notification Period until Final Acceptance. The Consultant will act as the Engineer or the Employer Representative as per FIDIC Contracts.

The project is expected to start in Q1 2024 and finish in Q2/2027