



INTERNATIONAL

# Oman Experience

Energy Engineering • It's in our DNA

[www.esbinternational.ie](http://www.esbinternational.ie)



# Our Customers in Oman

ESB International's success is intrinsically linked to the success of our clients – we can only flourish when they do.

Our clients always come first, and we build relationships by listening intently to them and developing a genuine understanding of their needs, ambitions and the markets within which they operate.



Overview of our Omani clients.

Proof of our commitment to maintaining exceptional client relationships is that some of the clients we partner with today have been with us for over four decades.



“ESB International has delivered outstanding supervisory services for the construction and commissioning of Ibri IPP (1,500 MW) and Sohar 4 IPP (1,700 MW). The project manager and his team have made a valuable contribution to the success of these projects. ESB International was up to the challenge and worked closely as a team with OPWP and the Developers to ensure compliance with our PPA, technical and commercial awareness and lifecycle focus.”



Talal Al Mahrouqi  
OPWP Project Implementation Director





# Oman Engagement

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ESB International provide consultancy services as a trusted partner to a number of Government Subsidiaries that have complex, challenging and demanding needs in the area of generation, transmission, distribution, supply, regulation and utility strategy





Client: **NAMA**

**Scope 1:**

Technical Advisory De-Centralisation of Energy Sector Subsidiaries

**Scope 2:**

Blueprint of Customer Service Framework across five locally licensed, distribution and supply companies in Oman

**Scope 3:**

Debundling of Dhofar Power  
Distribution from Customer Supply



Client: **SOHAR**

**Scope:**

Long Term Service Agreement Renewal Technical and Commercial  
Support Services



Client: **OPWP**

**Scope 1:**

Supervisory Consultant Execution Phase Ibri and Sohar IPP's approx.  
3.2 GW CCGT Generation

**Scope 2:**

Ad-Hoc technical services contract for Power and Water portfolio



Client: **RAECO / TANWEER**

**Scope:**

SCADA Systems strategic review and future proofing Master Plan



Client: **OETC**

**Scope 1:**

Consultancy Services for Meeting OETC Obligations after  
Introduction of Spot Market and Renewable Energy Sources

**Scope 2:**

Transmission Safety Rules Reviews





— A case study to judge us on



## OPWP Supervisory Consultant Ibri & Sohar IPPs

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ESB International was contracted with Oman Power and Water Procurement Company (OPWP) to supervise the execution phase of Oman's largest Independent Power Plants, Ibri IPP and Sohar IPP.

## The scope:

- Supervision of Developer's compliance with the Power Purchase Agreement and Minimum Functional Specifications
- Oversight in line with Omani Standards, International Standards and Best Practice
- Project Progress Reporting and Delay Risk analysis (Safety, Environmental, Quality, Functionality, Project Schedule, PPA Compliance)
- Assist in facilitating coordination with LTSO / Gas Company
- Identification and pro-active management of potential Buyer's Risk Events
- Agree and witness plant acceptance tests in cold and hot commissioning phases; sign-off on acceptance of these tests
- Verification that the Developer is commissioning and testing the Plant in a safe manner in accordance with Good Practice and the Law
- Provide on the job training for Client's Personnel where required

### IBRI IPP:

Guaranteed Capacity Fuel Gas:	1,509 MW
Guaranteed Capacity Fuel Oil:	1,419 MW
Gas Turbine x 4	GE / Ansaldo GT26; 280 MW 35degC, Air Cooled
Gas Turbine Generator x 4	GE / Ansaldo 50WY23Z-124, 400 MVA, Air Cooled
Steam Turbine x 2	GE / Ansaldo STF30C; 283 MW, Direct Air Cooled Condenser
Steam Turbine Generator x 2	GE / Ansaldo 50WT21H-120, 440 MVA, H2 Cooled
HRSG x 4	Nooter Eriksen; Horizontal; 3-stage Drum
Control Systems	Alstom Controgas / Controsteam, Emerson DCS

### SOHAR IPP:

Guaranteed Capacity Fuel Gas:	1,710 MW
Guaranteed Capacity Fuel Oil:	1,499 MW
Gas Turbine x 4	GE / Ansaldo GT26; 290 MW 35degC, Water Cooled
Gas Turbine Generator x 4	GE / Ansaldo 50WY23Z-124, 380 MVA, Air Cooled
Steam Turbine x 2	GE / Ansaldo STF30C; 326 MW, Sea Water Cooled; Induced Draught Cooling Towers
Steam Turbine Generator x 2	GE / Ansaldo 50WT21H-120, 440 MVA, H2 Cooled
HRSG x 4	Nooter Eriksen; Horizontal; 3-stage Drum
Control Systems	Alstom Controgas / Controsteam, Emerson DCS

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# We should be talking to each other

To discuss your needs, please get in touch with ESB International at the contact points below.

## ESB INTERNATIONAL

One Dublin Airport Central  
Dublin Airport  
Cloghran  
County Dublin  
Ireland  
K67 XF72

Tel +353 (0) 1 703 8000  
Fax +353 (0) 1 703 8088

## ESB INTERNATIONAL

Bahrain Office  
Office 1002  
Building 655  
Road 3614  
Block 436  
Seef District  
Kingdom of Bahrain

Tel: +973 1770 8118  
Fax: +973 1770 0115

## ESB INTERNATIONAL

Abu Dhabi Office  
Office 25/25  
20th Floor  
Al Wahda Commercial Tower  
Airport Road  
Abu Dhabi

Tel: +971 2815 7999  
Fax: +971 2815 7888

## ESB INTERNATIONAL

Oman Office  
Office 206, 2nd Floor  
Holiday Inn  
Al Mazoon Street  
South Al Mawaleh  
Muscat  
P.O. Box, P.C. 118  
Sultanate of Oman

Tel: +968 2428 7961

Email [marketing@esbi.ie](mailto:marketing@esbi.ie)  
Web [www.esbinternational.ie](http://www.esbinternational.ie)

