The Euro-Arab Mashreq Gas Market Project

ject Summary



contribute to the integration of the gas markets of Egypt, an, Lebanon & Syria in view of creating a regional internal market to be integrated with the EU Internal Gas Market"

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33 months, from 1st February 2006 to 31st October 2008

get

€7 million, of which EU grant €6 million, beneficiary countries €1 million in kind contributions

eficieries

Egypt, Jordan, Lebanon, Syria (Iraq and Turkey as observers)

hanism

The Euro-Arab Mashreq Gas Co-operation Centre, headquartered in Damascus

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Gas Master Plan, Legislation/Regulation, Know-How Transfer

apshot of the Gas Sector - Egypt





- Significant gas reserves

 proven 1.9 trillion m³
- Exports to Jordan 1.5 billion m³, growing at 33% a year
 - LNG exports
- Domestic demand 34
 billion m³, growing at
 10% a year

 Existing P/L
 Under Cons. P/L
- Electricity 61% of der Study. P/L

 Power Station Distribution Co.

 demand

 Consumer

apshot of the Gas Sector - Jordan



as Balance 2004	billion m ³
as Production	0.27
Domestic	1.45
Consumption	
Imports	1.18
Exports	0
s In Electricity Generation	1.24

- Small domestic production – reserves 0.007 billion m³
- Imports from Egypt via AGP
- Consumption driven by electricity demand, forecast to grow at 2.8% a year
- Transit country for AGP

apshot of the Gas Sector – Lebanon





- No gas reserves
- No gas consumption as yet – energy costs very high
- Will import from Syria and Egypt to supply Beddawi and Zahrani power stations - up to 2.2 billion m³ a year

apshot of the Gas Sector - Syria



- ALEPO Pipe **CONOCO Pipe** Future Gas Plant Block valve Station (BVS)
 - Proven reserves 0.34 trillion m³
 - Domestic demand 6.29
 billion m³
 - Electricity 87% of demand, growing at 6% a year
 - Exports to Lebanon yet

ARAK, HORS, ZARA, ZALZON
LENGTH: 325 MM OLAMPETER: 35 MM CAP: 2.5 MM C

e Arab Gas Pipeline





e Arab Gas Pipeline



Major link between Egypt and Turkey

More than 1,300 km of 36" pipe, 10 billion m³ per
year

Stage 1 completed

Stage 2 completed

Stage 3: completed, apart from Homs – Kilis (Turkey) part under development

Project identifies additional investments in the AGP helps secure financing to fill the gap

ner Projects



AGP, while very important, is not the only potential stment

ture Iraq and Iran could become major gas suppliers

re is also potential for links to the southern gas fields ar, Saudi Arabia...)

Project identifies and prioritises the most important astructure requirements

Project Objectives

jectives of the Project



- Complete connecting infrastructure
- Identify and develop strategic infrastructure projects
- Improve market structure
- Align regulatory frameworks
- Facilitate trade
- Expand business opportunities

- Promote the efficient use of gas
- Encourage industrial/commercial conversion to gas
- Increase technical knowledge
- EU technology, culture & best practice
- Improve technical & management skills
- Know-how transfer

nefits of the Project



rybody wins!

Egypt

- New markets for gas
- Export earnings

Jordan

- Access to gas supplies
- Transit earnings

ebanon

- Access to gas supplies
- Cheaper and cleaner energy

Syria

- New markets for gas
- Transit earnings

EU

- New source of gas
- Improved energy security

Methodology

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nponent 1: Gas Master Plan

sk 1: Gas Master Plan

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eneration studies

emand analysis

apply analysis

1 1

apply vs demand

egional institutional

amework

cenarios

ptimal strategies

A, investment needs

Task 2: Network Development Strategy

- •Infrastructure
- Prioritise key projects
- •Economic/financial analysis
- •Investment & financing plans
- •Recommended projects
- Present to IFIs

Task 3: Feasibility Studies

- •Complete AGP
- Other key projects
- Present to IFIs

Include:

- Technical/engineering
- Environment
- Market
- •Cost
- Institutional
- •Economic/financial
- •Risk analysis

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nponent 2: Legislation

sk 4: Legislation arvey

nalyse gas, other levant legislation egislative survey

ntify:

ommonalities

onflicts

aps

ompatibility with EU

Task 5: Reform Proposals

- Market organisation (including regulation)
- •Security & safety standards
- Tariffs
- Conflict resolution
- Sector unbundling
- → Proposals for legislative & regulatory reforms

Task 6: Prepare Reforms

Legal assistance to facilitate the reforms

Include:

- •Examples of legislation
- Workshops

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nponent 3: Know-How Transfer

7: Establish EAMGCC

blish EAMGCC Work Programme & Budget Partner countries

8: Know How nsfer Programme ning needs analysis

w How transfer ramme

t EAMGCC and r stakeholders

Task 9: EU Internal Market Legislation

Task 10: Creation of New Production-Transport-Distribution-Supply System

Tariffs Billing & customer accts

Organisation & Training Planning
Management & accounts Contracts

Task 11: EU Gas Sector Technology

x 12: Advice/Exchange of Information Agreements

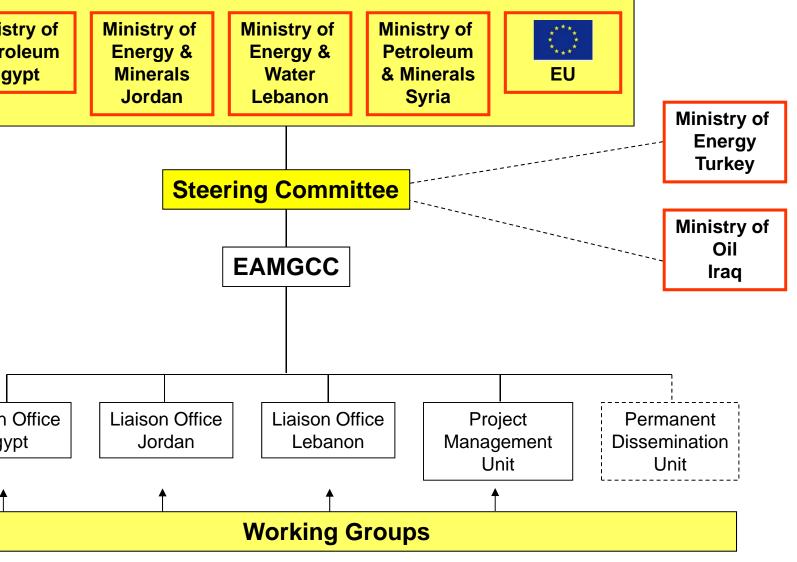
13: Permanent Dissemination Unit

Round Tables

Organisation

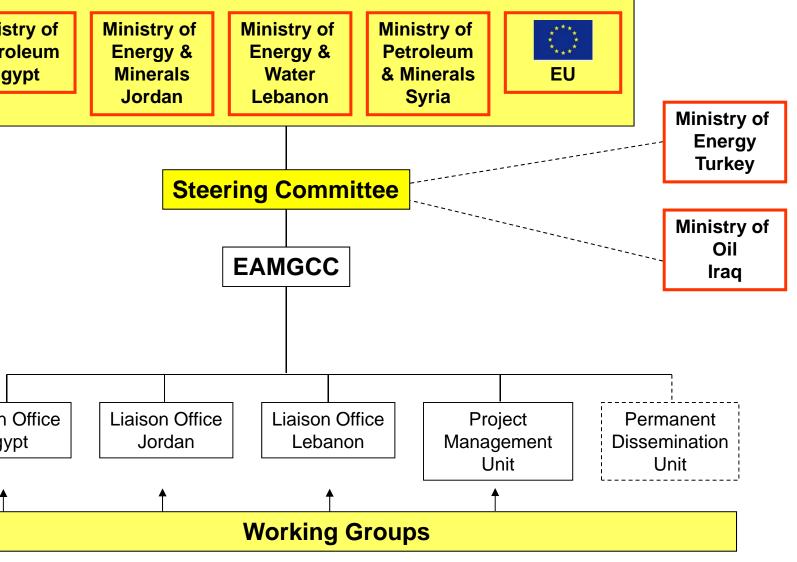
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ganisation





e Consortium



hnical assistance is provided by a highly qualified team



- esign, implement as & electricity harkets
- argest practice in urope
- kills in law, egulation, finance, conomics
- art of Dar Al andasah Group



- Leading independent engineering & design
- Specialise in oil & gas
- Skills in project planning, finance, management, engineering & operations
- Part of Dar Al Handasah Group



- Part of the prestigious National Technical University of Athens
- Multidisciplinary scientific unit
- Expertise in training and knowledge transfer