

August 2008

INVESTOR RELATIONS

# GS E&C Consortium, 501million USD GAS Facilities Project Award – Saudi, Manifa Gas Facilities Project –



## Contents

<b>Project Overview</b>	<b>1</b>
<b>Risk Analysis &amp; Experience</b>	<b>2</b>
<b>Prospect</b>	<b>3</b>
<b>Process Summary</b>	<b>4</b>
<b>Overseas Plant Projects</b>	<b>5</b>



## Project Overview

**GS E&C Consortium was awarded U\$501 million, Saudi Manifa Gas Facilities project which is the first construction award from Saudi Aramco, who is one of major clients in Middle-East.**

Project Summary	
<b>Project</b>	Saudi, Manifa Gas Facilities Project
<b>Client</b>	Saudi Aramco (Saudi state-running company)
<b>Facility</b>	Gas and Condensate operation Facilities - 90 MMSCFD Sour Associated Gas - 66,400 BPSD Sour Condensate operation  SRU 2 Trains new facilities and Revamping
<b>Location</b>	Saudi, Khursaniyah (50km away from Al Jubayl)
<b>Finance</b>	Client own fund
<b>Consortium</b>	GS E&C + GS Construction(Arabia), Ltd
<b>Amount</b>	501 million USD (GS Construction(Arabia), Ltd Portion included)
<b>Contract Type</b>	EPC Lump Sum Turnkey
<b>Period</b>	33 Months

- MMSCFD :Million Standard Cubic Feet per Day
- BPSD : Barrel per Stream Day





## Risk Analysis & Experience

GS E&C will hedge expected risks, and will successfully execute Saudi Manifa Gas Facilities Project with experiences of Gas Facilities Projects in Middle-East.

Project Risk Analysis	
<b>Capability</b>	<ul style="list-style-type: none"> <li>Executed SP Gas Development 9-10 Project (Iran)</li> </ul>
<b>Payment</b>	<ul style="list-style-type: none"> <li>Reliable client (Saudi state-running company)</li> <li>Will hedge the risk by insurance from Korea Export Insurance company.</li> </ul>
<b>Raw Material &amp; F/X Risk</b>	<ul style="list-style-type: none"> <li>Risk Management for Raw material fluctuation.</li> <li>Insuring foreign exchange risk and make forward deal contracts.</li> </ul>
<b>Others</b>	<ul style="list-style-type: none"> <li>Preparing for contingency cost</li> </ul>

Selected project list for Gas facilities project			
Project	Type	Period	Scope
Iran, Noor Abad Compressor Station	Gas	03 ~ 08	LSTK
Iran, SP 9-10	Gas	03 ~ 08	LSTK
Iran, Salalah Methanol	Gas	07 ~ 10	LSTK
Thailand, PTT-LNG	Terminal	08 ~ 11	LSTK

Saudi Arabia Overview

<ul style="list-style-type: none"> <li><b>Area</b> : 214mil m<sup>2</sup> (10 times of South Korea)</li> <li><b>Population</b> : 24.6 million</li> <li><b>Capital</b> : Riyadh (400 million)</li> <li><b>City</b> : Riyadh, Jiddah</li> <li><b>Language</b> : Arabic, English</li> <li><b>Religion</b> : Islam</li> <li><b>Government</b> : Royal Regime</li> <li><b>Industry</b> : Petro-chemical, Oil</li> <li><b>GDP per Capita</b> : USD 20,700 (2007)</li> <li><b>Credit Rating</b> : S&amp;P AA-</li> </ul>

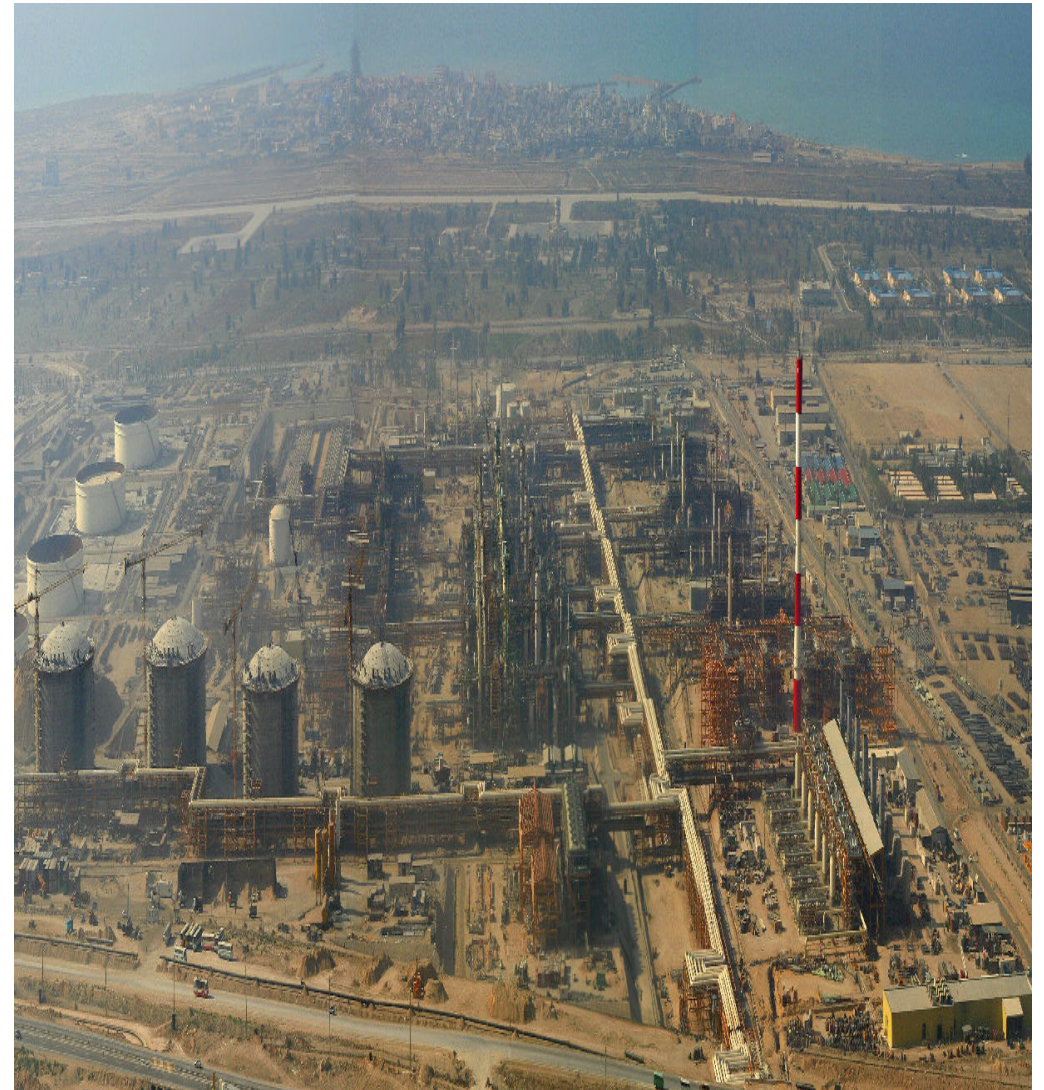




**Aramco of Saudi Arabia is constructing a new and revamping Gas facilities. GS E&C has been awarded worth about U\$ 501 million.**

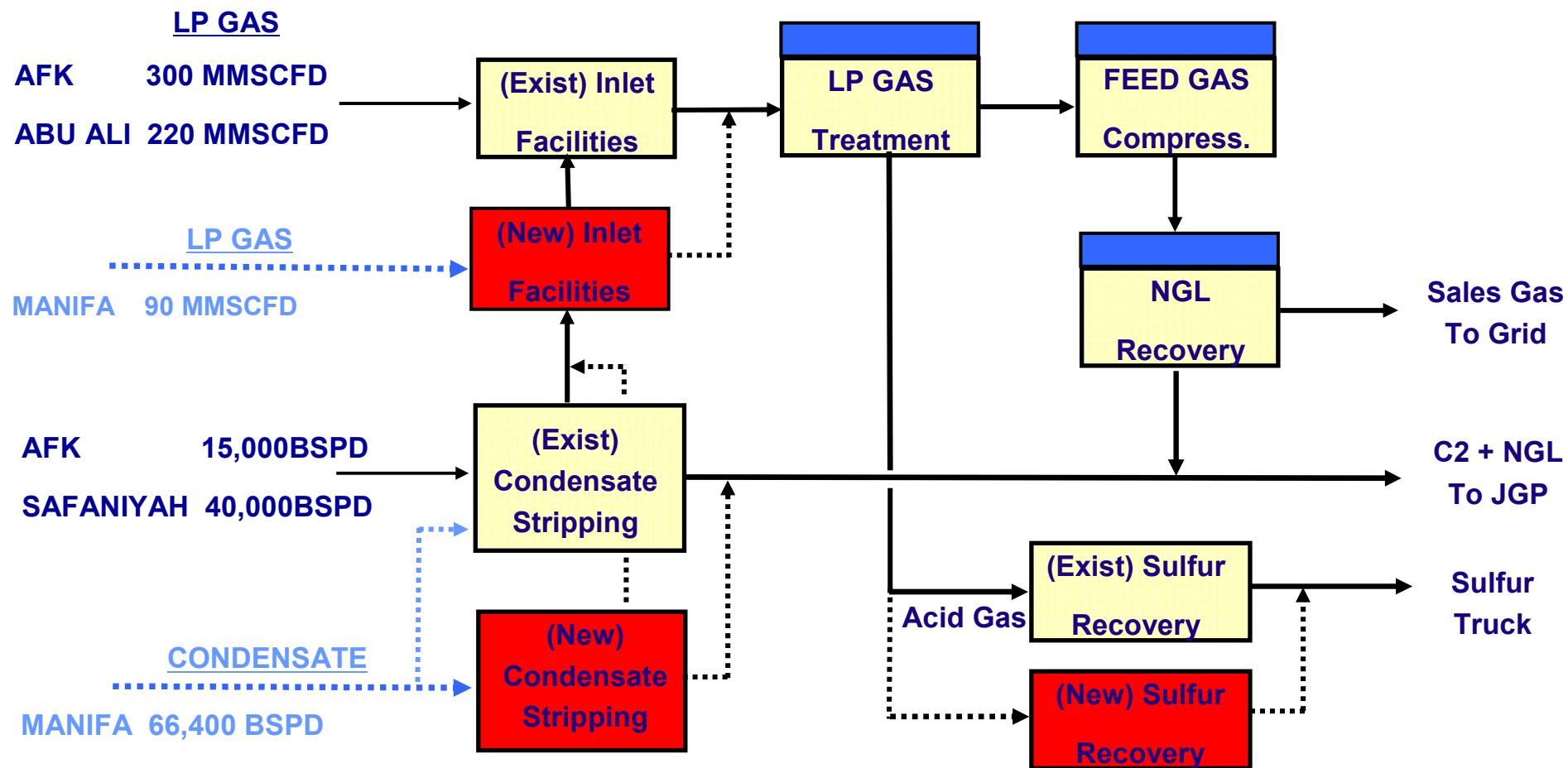
**Following the awards of SP 9-10(Iran) and PTT-LNG(Thailand), Manifa project is one good evidence that GS E&C has been consolidating its position towards the global leader in oil and gas industry. In addition, Aramco is one of major clients in Middle-East. It will help GS E&C's market positioning in Saudi Arabia and Middle-East.**

**GS E&C has Vision 2015 plan where GS E&C intends to become one of the leading global EPC contractors by the year 2015. This Manifa Gas facilities project is an important stepping stone for GS E&C towards this goal. GS E&C plans to acquire additional projects in Saudi Arabia. And these experience will help GS E&C further secure extensive volume of business in Saudi Arabia**



SP 9-10 (Iran)

# Process Summary



- Condensate : a part of the material gathered from gas field
- NGL : Natural Gas Liquid





# Overseas Plant Project

	Description	Project	Client	Project Type	Contract Amount Unit: USD	Project Period
<b>Awarded in 2008</b>	Tatarstan	NHR Refinery	TANECO	Refinery	400 mil	2008 – 2011
	Kuwait	KNPC NRP	KNPC	Refinery	2 bn	2008 – 2012
	UAE	Green Diesel	Takreer	Vacuum Distillation Unit Hydrocracker	1.14 bn	2008 – 2011
	Thailand	PTT LNG	PTT LNG Co., Ltd.	LNG Terminal	390 mil	2008 – 2011
<b>Currently Progressing</b>	Egypt	ERC Hydrocracker	ERC	Hydrocracker	2 bn	2007 – 2011
	Armenia	Yerevan Power Plant	YTPP	Power Plant	218 mil	2007 – 2010
	Oman	Salalah Methanol	SMC	Methanol	720 mil	2007 – 2010
	Thailand	HMC PP	HMC Polymers Co. Ltd.	Poly Propylene	185 mil	2007 – 2009
	Oman	Aromatics	AOL	Aromatics	1.21 bn	2006 – 2009
	Qatar	Laffan Refinery	QP 80%+ExxonMobil 10%+TotalFinaElf 10% J/V E-LAB	LAB	370 mil	2005 – 2008
	Egypt	LAB		LAB	220 mil	2005 – 2008
	Thailand	ATC Aromatics	The Aromatics (Thailand) Public Co. Ltd	Aromatics	660 mil	2005 – 2008
	Turkey	Tupras Kirikkale	TUPRAS	DHP	108 mil	2005 – 2008
	Iran	SP 9&10	NIOC	Gas	660 mil	2003 – 2008



# Overseas Plant Project

	Description	Project	Client	Project Type	Contract Amount Unit: USD	Project Period
<b>Awarded in 2008</b>	Tatarstan	NHR Refinery	TANECO	Refinery	400 mil	2008 – 2011
	Kuwait	KNPC NRP	KNPC	Refinery	2 bn	2008 – 2012
	UAE	Green Diesel	Takreer	Vacuum Distillation Unit Hydrocracker	1.14 bn	2008 – 2011
	Thailand	PTT LNG	PTT LNG Co., Ltd.	LNG Terminal	390 mil	2008 – 2011
<b>Currently Progressing</b>	Egypt	ERC Hydrocracker	ERC	Hydrocracker	2 bn	2007 – 2011
	Armenia	Yerevan Power Plant	YTPP	Power Plant	218 mil	2007 – 2010
	Oman	Salalah Methanol	SMC	Methanol	720 mil	2007 – 2010
	Thailand	HMC PP	HMC Polymers Co. Ltd.	Poly Propylene	185 mil	2007 – 2009
	Oman	Aromatics	AOL	Aromatics	1.21 bn	2006 – 2009
	Qatar	Laffan Refinery	QP 80%+ExxonMobil 10%+TotalFinaElf 10% J/V E-LAB	LAB	370 mil	2005 – 2008
	Egypt	LAB		LAB	220 mil	2005 – 2008
	Thailand	ATC Aromatics	The Aromatics (Thailand) Public Co. Ltd	Aromatics	660 mil	2005 – 2008
	Turkey	Tupras Kirikkale	TUPRAS	DHP	108 mil	2005 – 2008
	Iran	SP 9&10	NIOC	Gas	660 mil	2003 – 2008