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INVESTOR RELATIONS

## **Awarded contract of USD 1.1 billion for Overseas Plant Project – UAE, Green Diesel Project –**



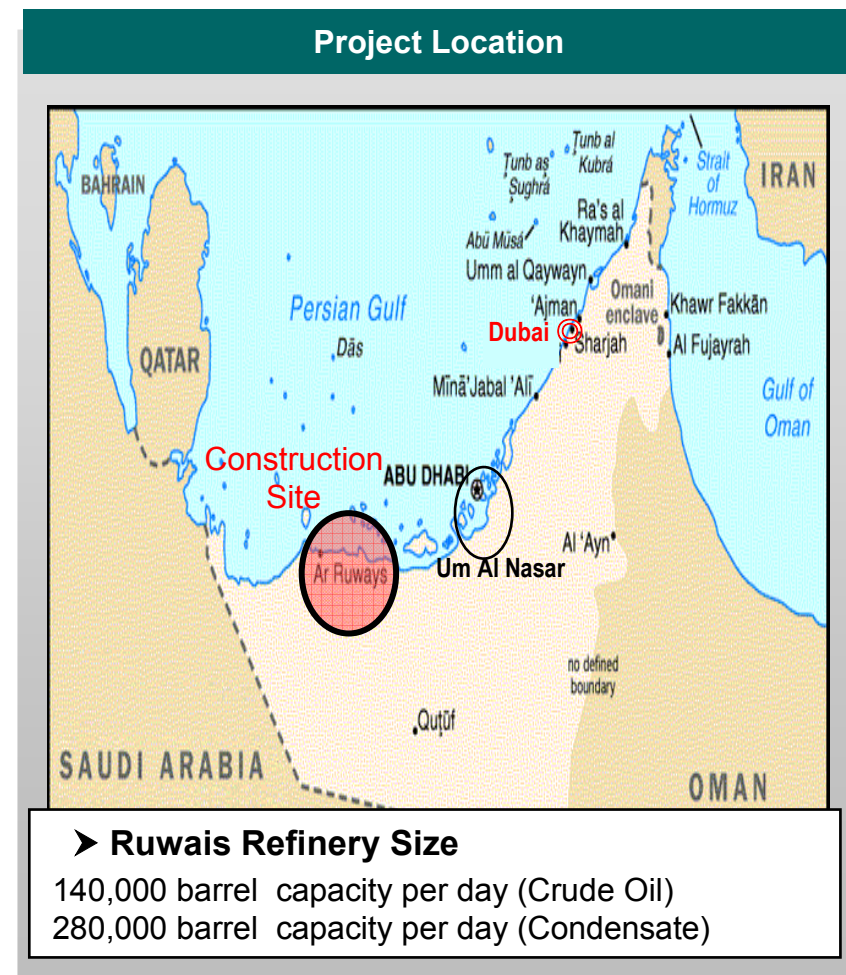
## Contents

<b>Project Overview</b>	<b>1</b>
<b>Risk Management &amp; Experiences</b>	<b>2</b>
<b>Significance &amp; 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 executes USD 1.1 billion amount refinery plant in UAE Lewais with experiences of refinery projects. GS E&C is going to penetrate and secure its market share in UAE which expects mass investment on plant refinery field going forward.

Project Overview	
<b>Project</b>	UAE, Green Diesel Project
<b>Client</b>	Takreer (Abu Dhabi Oil Refining Co.) - ADNOC (Abu Dhabi Govern. 100% Owned)
<b>Facility</b>	<b>New Unit</b> - Vacuum Distillation Unit (35,000 barrel / day) - Hydrocracker ( 41,000 barrel / day) - Hydrotreating Unit ( 44,000 barrel / day) <b>Revamping Unit</b> - Vacuum Distillation Unit / <b>Miscellaneous Facility Expansion</b>
<b>Location</b>	Ruwais Petro-chemical Facility, UAE - 250km west side from Abu Dhabi
<b>Financing</b>	Client Credit
<b>Amount</b>	USD 1.14 billion
<b>Contract Type</b>	Lump Sum Turnkey
<b>Period</b>	42 months





# Risk Management & Experiences

**GS E&C will successfully execute UAE Green Diesel project with cumulative refinery projects experiences, and expected all risks will be hedged.**

Project Risk Analysis	
<b>Capability</b>	<ul style="list-style-type: none"> <li>Experienced Refinery Projects in various regions.</li> </ul>
<b>Payment</b>	<ul style="list-style-type: none"> <li>No collection risk because the client is the national petrochemical company.</li> <li>Going to apply overseas construction insurance to hedge collection risk.</li> </ul>
<b>Raw material &amp; F/X risk</b>	<ul style="list-style-type: none"> <li>Reflect recent raw material cost increase and exchange rate fluctuation.</li> <li>Ensuring F/X risk and forward contract</li> </ul>
<b>Etc.</b>	<ul style="list-style-type: none"> <li>Apply derivative and reflect contingency cost.</li> </ul>

Refinery Project Experiences			
Project	Type	Period	Scope
ERC (Egypt)	Hydrocracker	07 ~ 11	LSTK
LAFFAN REFINERY (Qatar)	Condensate	05 ~ 08	LSTK
KIRIKKALE (Turkey)	CCR DHP	05 ~ 07	E,P,CM
IZMIT DHRP(Turkey)	Desulfuration Facility	03 ~ 07	E, P
HOU #2 (Korea)	Hydrocracker	05 ~ 07	E,PS,C
IZMIR DHP(Turkey)	Desulfuration Facility	02 ~ 04	LSTK
OCR REVAMP(Kuwait)	ARDS	02 ~ 04	LSTK
QP CONDENSATE (Qata	FCC CDU	99 ~ 02	LSTK

### UAE Overview

- Area : 83,600 km2 (Including island area 5,904 /84% of South Korea)
- Population : 4.3 million (2004)
- Capital City : Abu Dhabi
- Race : Arab, Pakistan, India, Iran, Philliphine
- Language : Arab (Official), English (Commercial)
- Religion : Islam (Sunni 80%, Shiah 20%)
- Government : Presidential system (7 Emirates federal states)  
President : Khalifa bin Zayid Al Nyhayyan
- GDP : USD 112.4 billion (2005)
- GNP per capita : USD 22,643
- Crude Oil : reserve 97.8 bn barrel / production 2.5 mil barrel/day (World ranking 3th)
- Natural Gas : reserve 213 trillion cubic meter / production 4.5 bn cubic meter/ day (World ranking 4th)



## Significance & Prospect

Green Diesel project is a construction of 35,000 barrel capacity per day vacuum distillation unit and 41,000 barrel capacity per day hydrocracker facility at Ruwais petro chemical industry area which is 250 km away from Abu Dhabi. GS E&C executes whole engineering, procurement, construction, and test run process.

GS E&C proved its global competitiveness in mega size refinery plant through Green Diesel project award in succession of USD 2.0 bn Egypt refinery plant which was awarded in 3Q 2007. Green Diesel project will add USD 310 mil sales revenue per year.

UAE has abundant natural resources such as crude oil and natural gas. With those natural resources, UAE is going to order USD 6 bn amount of plant this year. Green Diesel project will enable GS E&C's additional plant award in UAE. Thus, GS E&C enforces its competitiveness in refinery field and overseas business with continuous plant award. Consequently, Green Diesel project will help accomplish 'Vision 2015' target.



<Turkey IZMIR Refinery Plant completed in 2004 >





# Overseas Plant Projects

	Description	Project	Client	Project Type	Contract Amount (Unit : KRW)	Project Period
New Order in 2008	Thailand	PTT LNG	PTT LNG Co., Ltd.	LNG Terminal	369bn	2008 – 2011
Progressing	Egypt	ERC Hydrocraker	ERC	Hydrocracker	1,858bn	2007 – 2011
	Armenia	Yerevan Power Plant	YTPP	Power Plant	203bn	2007 – 2010
	Oman	Salalah Methanol	SMC	Methanol	678bn	2007 – 2010
	Thailand	HMC PP	HMC Polymers Co. Ltd.	Poly Propylene	154bn	2007 – 2009
	Oman	Aromatics	AOL	Aromatics	1,110bn	2006 – 2009
	Qatar	Laffan Refinery	QP 80%+ExxonMobil 10%+TotalFinaElf 10% J/V	LAB	387bn	2005 – 2008
	Egypt	LAB	E-LAB	LAB	211bn	2005 – 2008
	Thailand	ATC Aromatics	The Aromatics (Thailand) Public Co. Ltd	Aromatics	159bn	2005 – 2008
	Turkey	Tupras Kirikkale	TUPRAS	DHP	103bn	2005 – 2007
	Iran	SP 9&10	NIOC	Gas	663bn	2003 – 2008