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INVESTOR RELATIONS

# GS E&C Consortium, 1 Billion USD LNG Project LOI Received

## IRAN LNG (Liquefaction Package) Project



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# 1. Project Overview

GS E&C consortium was awarded U\$1billion Iran LNG project as an EPC contractor, and construct a liquefaction part, which is a core process of among whole package.

## Overview

Location	Tombak, Iran (50km-away North-west from Assaluyeh)
Sponsor	Iran LNG Co., Ltd.
Finance	Client own fund
Facility	10.8MTA LNG Liquesfaction Pkg. (5.4 MTA* X 2 Trains)
Contract Type	EPC Lump Sum Turnkey
Consortium	GS E&C, PIDECO(Local Partner)
Period	32 months
Amount	U\$1billion (GS E&C 50%)

\*MTA= Million Tons per Annual

## Location



## 2. Risk Analysis & Experience

GS E&C will hedge expected risks, and will successfully execute this project with experience of Iran SP 9~10 Project's successful completion.

Capability	<ul style="list-style-type: none"> <li>• Executed SP Gas Development Phase 9-10 Project</li> </ul>
Payment	<ul style="list-style-type: none"> <li>• Reliable client (Iran state-running company)</li> <li>• Advance payment(10%) and Progress down payment</li> </ul>
Raw Material & F/X Risk	<ul style="list-style-type: none"> <li>• Preparing for contingency cost</li> <li>• Natural Hedge with multi-currency contract</li> </ul>
Others	<ul style="list-style-type: none"> <li>• Adjusted contract for compensation standard of deferment in order to hedge risks</li> </ul>

### GAS Project Experience

Project	Type	Period
Saudi, Manifa	LSTK	2008~2011
Thai, PTT-LNG	LSTK	2008~2011
Oman, Salalah Methanol	LSTK	2007~2010
Iran, SP 9-10	LSTK	2003~2009

### Introduction



Area	163mil km <sup>2</sup>
Population	70 mil
Capital	Tehran
Language	Persian
Religion	Islam
Industry	Service(51%), Manufacture(21%), Oil & Gas(15.1%)
F/X	\$1 = 9,683 Iran Ryal ('June 1, 09)



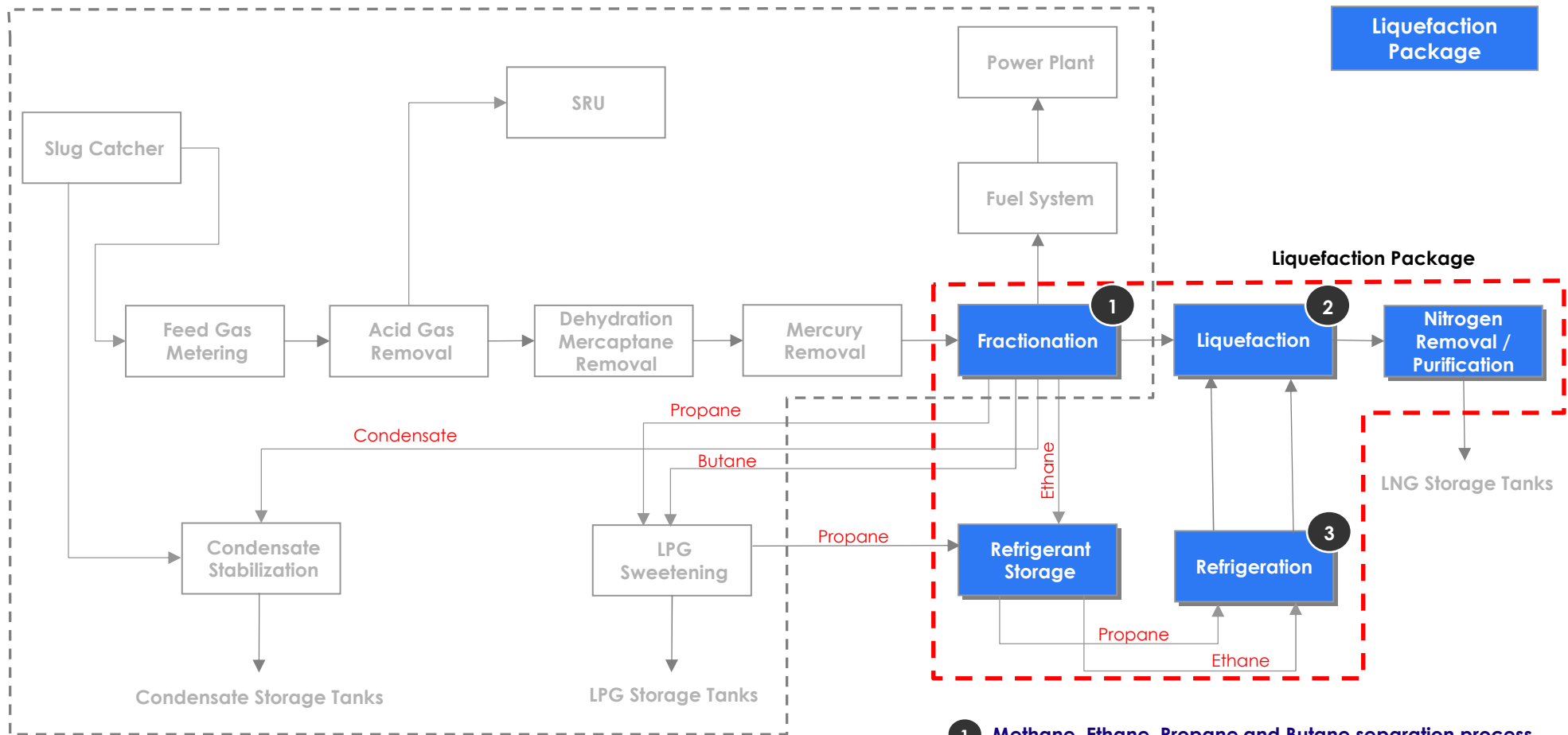
### 3. Prospect

- Iran LNG co. ltd is constructing a new LNG project. GS E&C consortium is awarded as an EPC contractor for liquefaction package, which is a core process among whole packages. This project will contribute to increase annual revenue by 230 billion won.
- LNG liquefaction process is only dominated by a few European, Japanese and American companies. However, GS E&C has broken into this field as first Korean company through enhancement of consistent knowledge management.
- With this liquefaction project, GS E&C will acquire whole experience of LNG construction processes including gas development and LNG terminal.
- Following the awards of SP 9~10 and this project, these will help GS E&C's market positioning in Iran. And GS E&C plans to acquire additional projects in Iran.



<Iran, SP 9~10 Project>

# Process Summary



- 1 Methane, Ethane, Propane and Butane separation process
- 2 Linde MFC (Mixed Fluid Cascade) Technology  
- Pre-Cool, Liquefaction and Sub-Cool
- 3 Refrigeration (Closed Cycle process)

# Overseas Projects

Currently Progressing	Description	Project	Client	Project Type	Contract Amount Unit: USD	Project Period
	Singapore	Depot C911	LTA	Civil	144 ml	2009 – 2015
	Vietnam	Hanoi~Haiphong	VIDIFI	Civil	175 ml	2008 – 2011
	Saudi Arabia	Manifa	Aramco	Gas	501 ml	2008 – 2011
	UAE	Green Diesel	Takreer	VDU Hydrocracker	1.13 bn	2008 – 2011
	Thailand	PTT LNG	PTT LNG Co., Ltd.	LNG Terminal	393 mil	2008 – 2011
	Egypt	ERC Hydrocraker	ERC	Hydrocracker	2.17 bn	2007 – 2013
	Armenia	Yerevan Power Plant	YTPP	Power Plant	218 mil	2007 – 2010
	Oman	Salalah Methanol	SMC	Methanol	722 mil	2007 – 2010
	Thailand	HMC PP	HMC Polymers Co. Ltd.	Poly Propylene	176 mil	2007 – 2009
	Oman	Aromatics	AOL	Aromatics	1.25 bn	2006 – 2009
	Qatar	Laffan Refinery	QP 80% + Exxonmobil 10%+TotalFinaElf 10%J/V	Refinery	370 mil	2005 – 2009
	Turkey	Tupras Refinery	Tupras	DHP	108 mil	2005 – 2009
	Iran	SP 9~10	NIOC	Gas	660 mil	2003 – 2009