

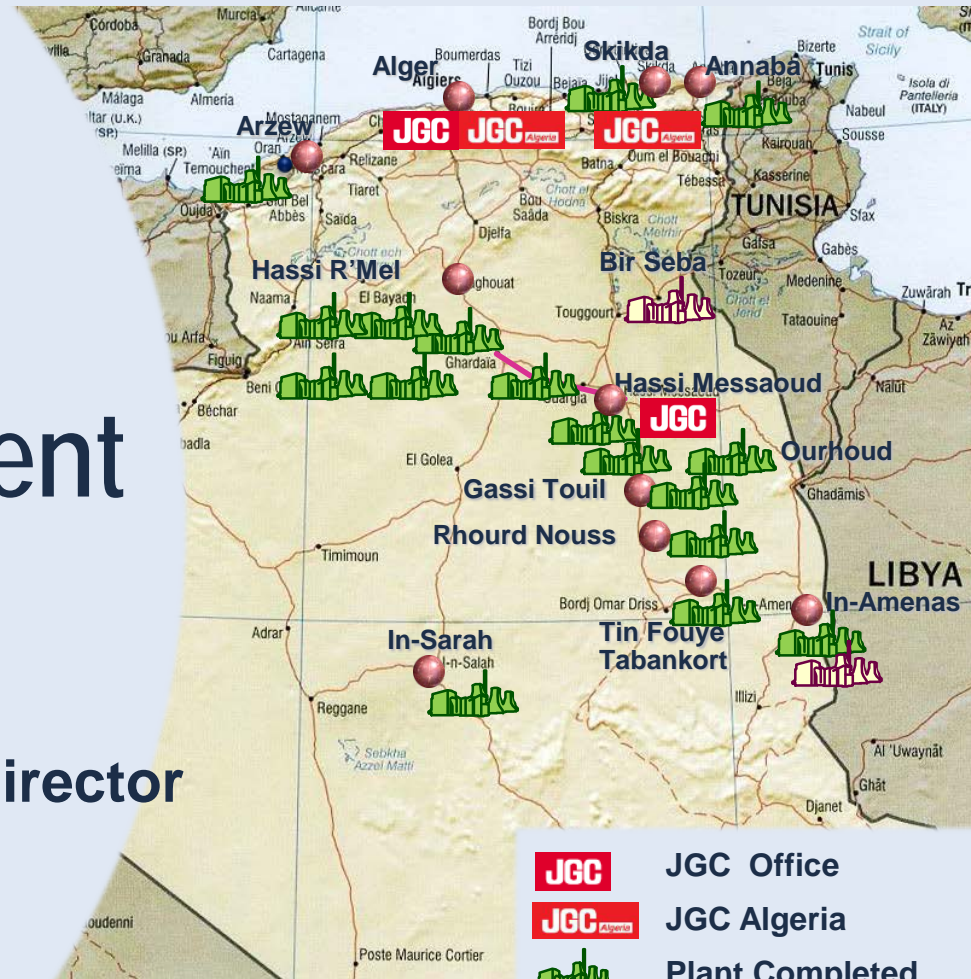
50 Years of Contribution to Algerian Development


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Chairman and Representative Director

JGC CORPORATION

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-  JGC Office
-  JGC Algeria
-  Plant Completed
-  Plant Under Construction

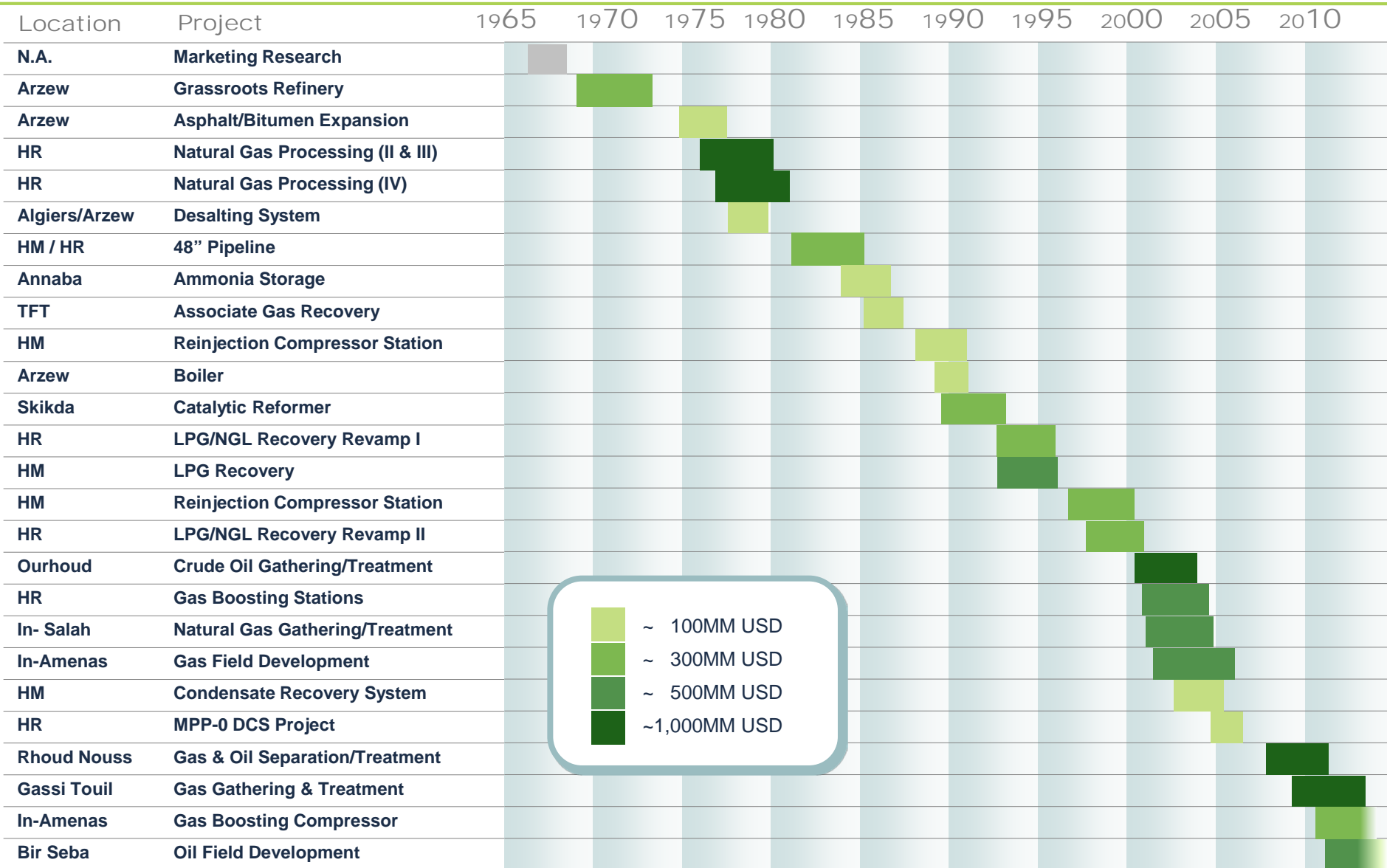
AGENDA

- 1. Overview**
- 2. JGC achievements in Algeria**
- 3. JGC Algeria S.p.A**
- 4. Promoting the Algeria-Japan relationship**
- 5. Improving the business environment**

1. OVERVIEW

- **First business in Algeria was the “Techno-Economic Study” for the Petrochemical industry in Algeria, requested by UNDP and UNIDO in the mid-1960s, soon after independence.**
- **Since then, more than 40 Oil & Gas Projects have been completed. Three (3) projects are on-going.**
- **JGC’s own local engineering company has a staff of more than 330 Algerian staff and very well appreciated by clients.**
- **JGC has been making significant efforts to maintain and reinforce the Algeria-Japan business relationship.**

2. JGC ACHIEVEMENTS IN ALGERIA (1)



2. JGC ACHIEVEMENTS IN ALGERIA (2)

ARZEW REFINERY (1969-1972)



HASSI R'MEL NATURAL GAS PLANT (1976-1980)



GAS PIPELINE (1982-1985)

2. JGC ACHIEVEMENTS IN ALGERIA (3)

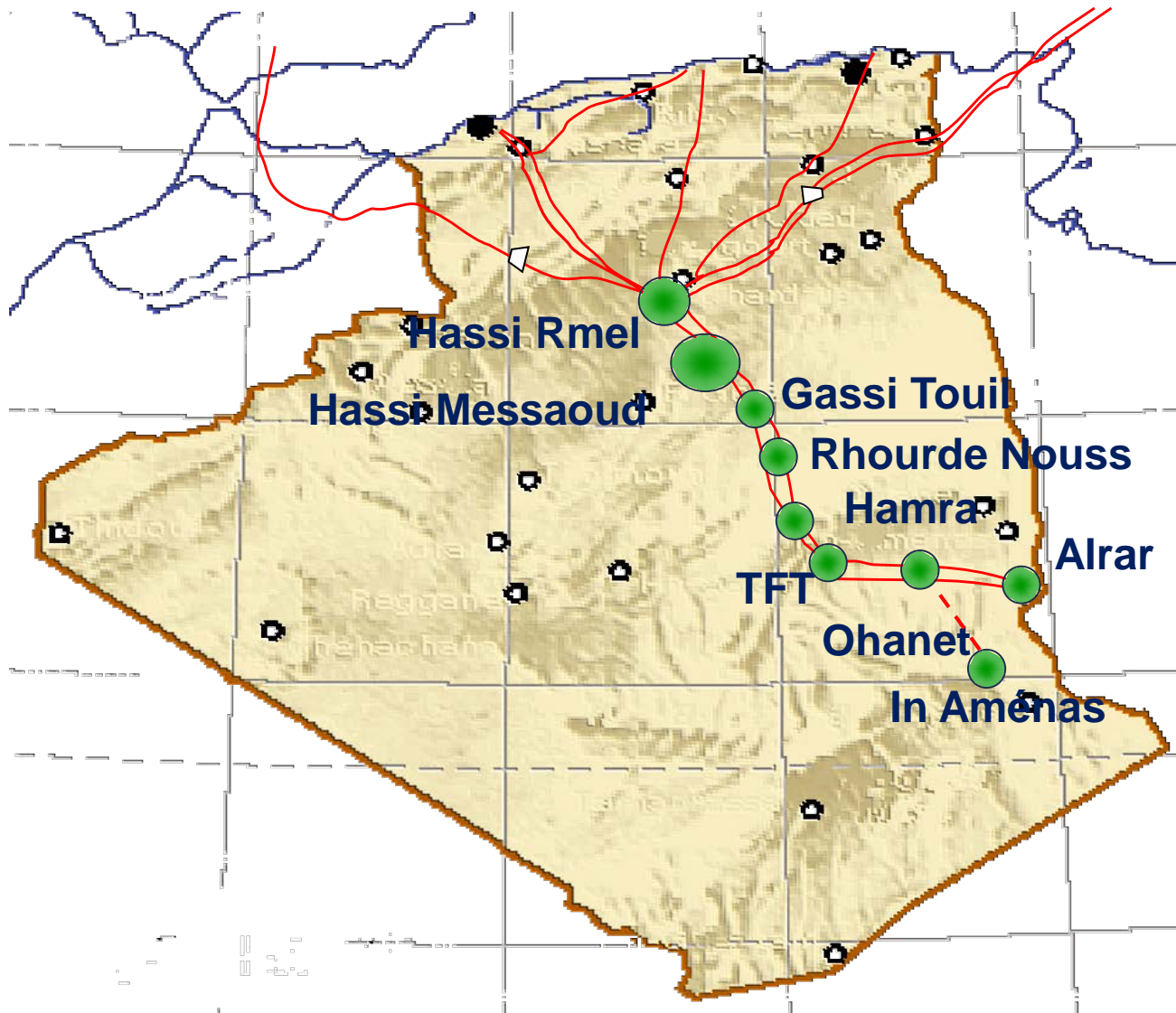
GAS MASTER PLAN (1988 - 1989)

- **Purpose:** Master Planning for Gas Field Development with LPG Recovery Scheme (South of Hassi R'Mel)

- **Scope:**
 - Conceptual Design of Processing Facilities including Trunk LPG Pipeline with a Length of 1,000 km from Alrar to Hassi R'Mel
 - Infrastructure
 - CAPEX Estimation

- **Study Fields:** Alrar / In Amenas / Ohanet / TFT / Rhourde Nouss / Hamra / Gassi Touil / Hassi Messaoud / Hassi R'mel South+ LPG Trunk Line

2. JGC ACHIEVEMENTS IN ALGERIA (4)



2. JGC ACHIEVEMENTS IN ALGERIA (5)

Gas Development Status

Site	Owner	Contractor	Production Start	Remarks
Hamra	SH/Total	SNAM	1995	PSC
Hassi Messaoud	Sonatrach	JGC	1996	Extraction LPG
Hassi R'Mel	Sonatrach	JGC	1996	Hassi R'mel South
LPG Pipeline	Sonatrach	Entrepose(PS *) Bechtel/GTP (P/L)	1996	* Pumping Station
Alrar West	Sonatrach	Unknown	1997	Revamping
TFT	SH/Total/Repsol	Brown & Roots	1998	PSC
Rhourde Nouss	Sonatrach	SNC Lavarin	2001	Extension + LPG Recovery
Ohanet	SH/BHP/ JPN JV	ABB	2003	Risk & Service Contract
In Amenas	SH/BP(Amoco)	JGC /KBR	2005	Green Field
Gassi Touil	Sonatrach	JGC	2013	

2. JGC ACHIEVEMENTS IN ALGERIA (6)

**HASSI MESSOUD COMPRESSOR
STATION (1987-1990)**



**OURHOUD OIL DEVELOPMENT
(2000-2003)**



RHOURDE NOUSS (2008-2012)



GASSI TOUIL (2009-2013)

3. JGC ALGERIA S.p.A (1)



Employees : 330

Capital : 3,000 MMDZD



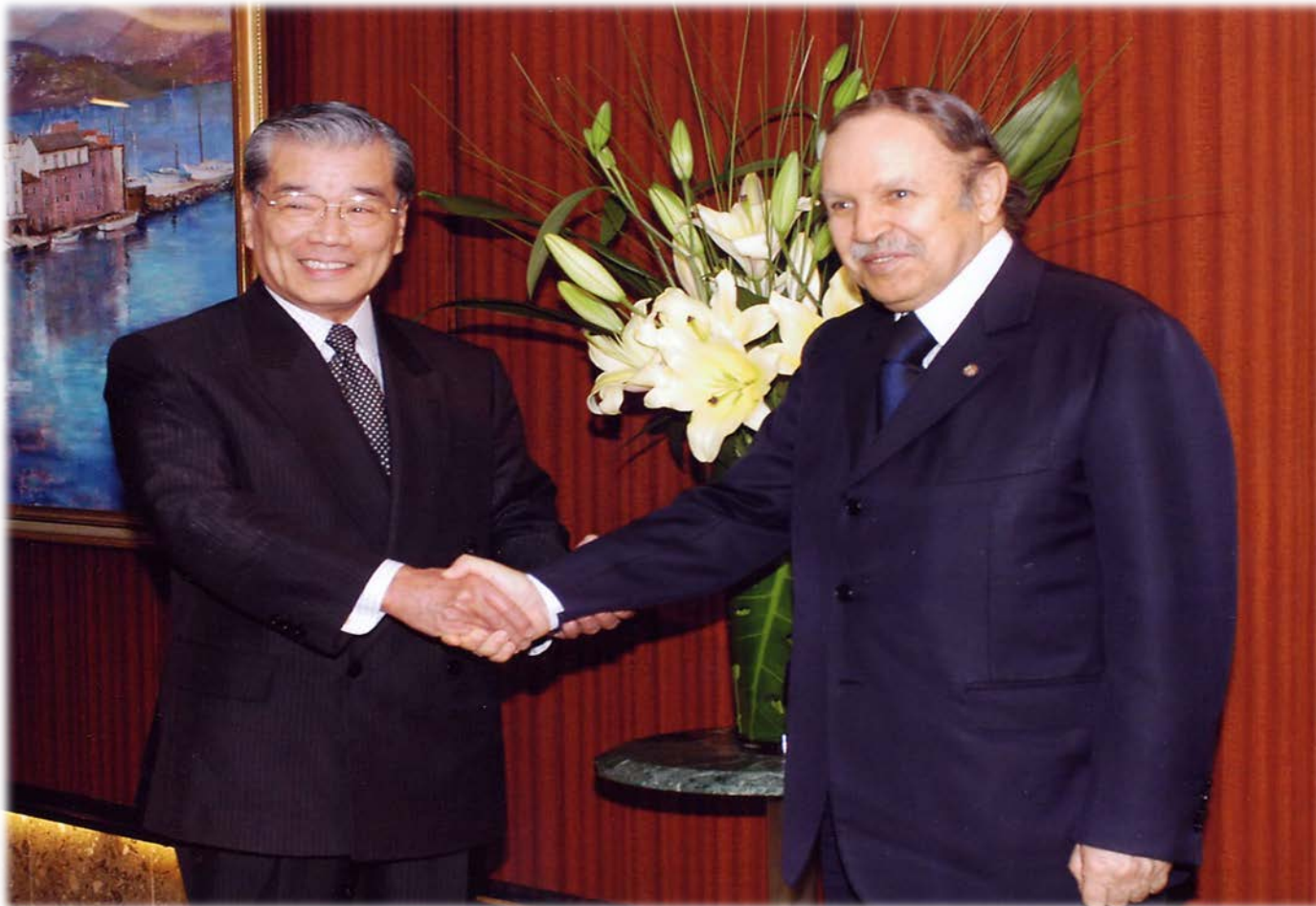
3. JGC ALGERIA S.p.A (2)

Inauguration Party at Algiers (2008)



4. PROMOTING ALGERIA-JAPAN RELATIONSHIP (1)

Japan-Algeria Economic Committee at Tokyo (2004)



4. PROMOTING ALGERIA-JAPAN RELATIONSHIP (2)

Joint Economic Committee at Algiers (2008)



4. PROMOTING ALGERIA-JAPAN RELATIONSHIP (3)

Economic Committee at JGC Yokohama (2008)



4. PROMOTING ALGERIA-JAPAN RELATIONSHIP (4)

TICAD V - Algerian Delegation visit JGC Yokohama (2013)



5. IMPROVING THE BUSINESS ENVIRONMENT

1. Challenges faced by foreign companies conducting business in Algeria:

- Foreign companies are not permitted to establish 100% owned companies. In a joint case with Algerian companies, a maximum 49 percent share is permitted for foreign companies.
- Renewal of liaison office license is currently suspended.
- Difficult and long process to obtain work permits for foreigners

2. Concerns for security situation



Thank you for your attention