



# PETROLEUM CONFERENCE

I R A N - 2 0 1 7

Iran Petroleum Industry Midstream & Downstream

## Perspective of Partnership with Iranian Oil Industry

By: Mr. Jean-Louis GAILLARD  
ACP President



Tehran (IRIB International Hall) – 30 Jan, 1 Feb 2017



## Association of the French Consultants in Petroleum

Association of 70 Principal Engineers Consultants & 10 Partners Members (SME)

-Assisting the NOC/IOC's in

Oil/Gas fields development // Technology transfer // Owner assistance

-Assisting the service companies in

Reinforcing their teams // Audit, Method and Organisation // QHSE Training





Geosciences – Drilling - Production



HSE – Quality



Strategy – Evaluation –  
Management – Finances

Specialities of  
the ACP Experts



Pipelines – Refinery – Petrochemical



Training - Maintenance





Geosciences – Drilling - Production



HSE – Quality

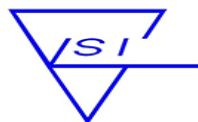


Strategy – Evaluation –  
Management – Finances



Pipelines – Refinery – Petrochemical

Training - Maintenance





## 2 main IOC : Total & GDF/Engie



**Service companies** 65.000 employees 41 B€/year,  
 2<sup>nd</sup> rank in export (same than UK & Norway)  
**Schlumberger, Halliburton, CGG, Technip, IFP...**



In year 40 : ambitious national petroleum policy with 3 main operators (in France & colonies); Innovative & competitive service companies.

In year 50 : intensification in Africa (including Sahara), Technip

In year 60 : offshore exploration/production (West Africa, North Sea)

In year 90 : ultra deep offshore technologies



## Service companies in France





ASPIRE (Assistance of Specialist in Petroleum industry who have been Impacted by the Reduction of Employment) to overcome the effects of the current petroleum crisis :



Securing the petroleum service companies expertise, offering the redundant specialist, temporary highly qualified abroad missions.





Geosciences – Drilling - Production



HSE – Quality



Strategy – Evaluation –  
Management – Finances

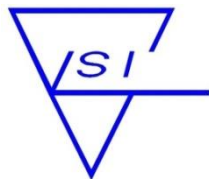


Training - Maintenance

Pipelines – Refinery – Petrochemical



# ACP Project Group



# ACP Project : gas flaring

**G E C**  
 management

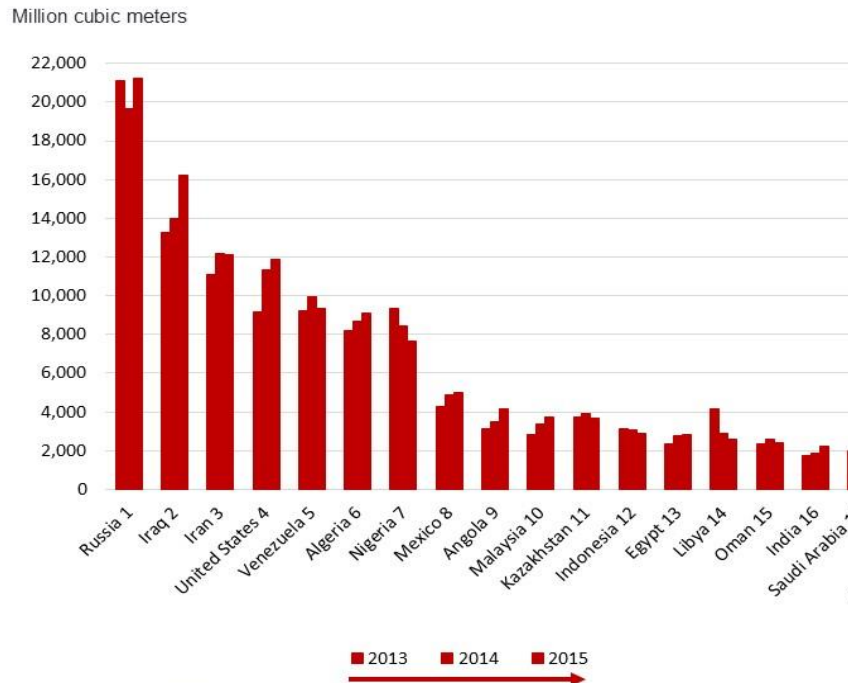
**ARCLÈS**  
 Conseil de direction

**CORIALIS Engineers**  
 CONSEIL & ASSISTANCE TECHNIQUE

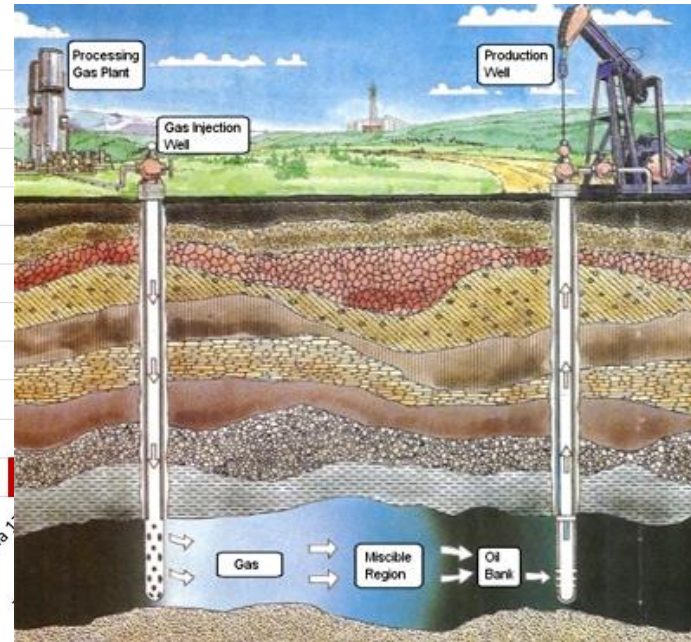
**EOSYS**

**AETS**  
 ASSOCIATION OF ENGINEERS AND TECHNICAL STAFF

The *new* ranking – top 30 flaring countries (2013-15)



Source: NOAA/GGFR



Adhesion World bank projects  
 Global Gas Flaring Reduction  
 Zero Routine Flaring 2030

Feasibility study  
 Owner assistance on  
 Gas conversion and  
 exportation

# ACP Project : gas pipeline leak

G E C  
management

✓ *technipipe*  
pipeline technologies

ARCLÈS  
Conseil de direction



Tacis inspection for Central asia pipeline :  
On 700 kms sample : 33 leaking points ie 9.400 Km<sup>3</sup>, at 150\$/Km<sup>3</sup>  
extrapolation in Iran 30.000 km 60 M\$/year  
Clean Development Mechanism equival CO<sub>2</sub> =21x9 Kt, at 10\$/t 2M  
Extrapolation in Iran 85M\$/year

Risk Based Inspection, maintenance, cathodic protection, coating ....

Country	Pilot Length Km	Diameter mm	Number of Leaks	Measured Volume 000 M <sup>3</sup> /year	Value \$/year	Value \$/km/year
Kazak.	230	700/1,020	9	3,173	475,950	2,070
Uzbek.	114	700	17	1,428	214,200	1,880
Turkmen.	130	1,220	3	4,227	634,050	4,880
Kyrgyz.	230	700/1,020	4	538	80,700	350
	<b>704</b>	-	<b>33</b>	<b>9,366</b>	<b>1,404,900</b>	<b>\$ 2,000</b>

**Extrapolation (27,000 km): per year = 73 M \$ (value CH<sub>4</sub> : 150 \$ /1000m<sup>3</sup>)**

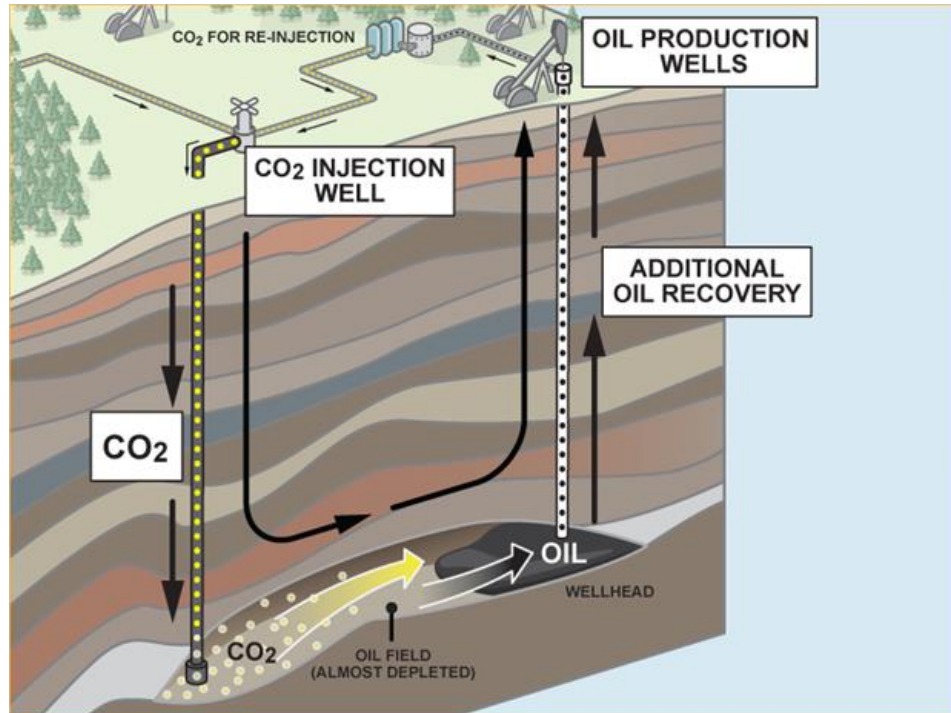
# ACP Project : CO<sub>2</sub> injection

G E C  
management

ARCLÈS  
Conseil de direction

CORIALIS Engineers  
CONSEIL & ASSISTANCE TECHNIQUE

EOSYS



Evolving regulations for emission of greenhouse gases  
new opportunities and challenges to oil and gas companies.

which assets could offer greenhouse gas storage opportunities  
and which assets have a risk of becoming obsolete

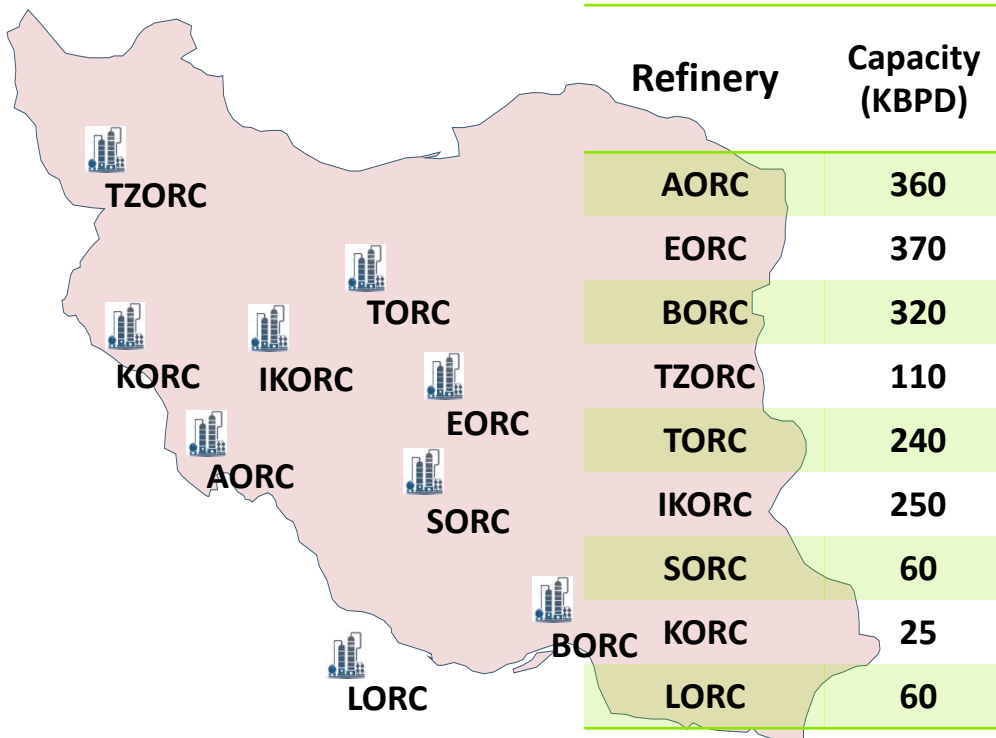
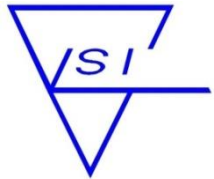
When CO<sub>2</sub> is injected for pressure maintenance purposes  
in order to boost oil production, the carbon balance  
of the exploitation is improved.

Analysis of the geologic and reservoir conditions of all the oil and gas assets of an oil company

# ACP Project : refinery optimisation



Conseil en stratégie opérationnelle



upgrade infrastructure after years of sanctions that limited access to parts and new technology leaving refineries ageing and in disrepair

Abadan oil refinery project aims at stabilising refining capacity of the 100-year-old refinery, reducing environmental pollutants, increasing diesel and gasoline production by improving production technology (Sinopec 3 b\$)

Owner representative, Implementation of Maintenance Inspection and Process Safety survey (Risk Based Maintenance, Risk Based Inspection and Reliability Centered Maintenance)

# ACP Project : HSE training



**GEC Management** offers to implement the training project for “fire fighting and crisis management” in cooperation with its partner : **GESIP**, leader in fire fighting & crisis management in oil & gas industry.

**GEC**  
management

**Pro Educ**  
Consultants

**AETS**  
Assistance Technique  
de l'Entreprise et de l'Industrie

**ICM People**  
International Consulting Management Ltd

**CORIALIS Engineers**  
CONSEIL & ASSISTANCE TECHNIQUE

**GESIP**



**Association des Consultants Pétroliers**  
9 rue du Gué 92500 RUEIL MALMAISON  
[www.acp-france.org](http://www.acp-france.org)

**ACP is present in Iran through :**  
**-its Local Consultants Network**  
**-the local GEC Management office**

Tehran (IRIB International Hall) – 30 Jan, 1 Feb  
2017