



**المؤسسة التونسية للأنشطة البترولية**

***ENTREPRISE TUNISIENNE D'ACTIVITES PETROLIERES***

## TRIPOLI CDM CONFERENCE

**The First Workshop on CDM  
Process in Libya**

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# PLAN

- General Informations
- Designed National Authority
- CDM Task Force
- Portfolio of CDM projects in the energy and industry sectors
- ETAP's CDM projects
- Djebel Grouz CDM project

# GENERAL INFORMATIONS

- Tunisia has ratified the UNFCCC in 1993 and the Kyoto protocol in 2002.
- The Designed National Authority (DNA) was registered at UNFCCC in early December 2004.
- The Ministry of Industry, Energy and SMEs (MIEPME) set up in December 2005 a CDM task force whose mission is to promote the implementation of CDM projects in the energy and the industry sectors.

# ROLE OF THE DESIGNED NATIONAL AUTHORITY (DNA)

- To evaluate the proposals for CDM projects and to make sure that they correspond to the objectives of the Sustainable Development of the country (national criteria of SD).
- To emit the letters of approval to the projects promoters.
- To control the process of approval by accepting or by refusing the proposals for CDM projects.
- To promote the implementation of CDM projects.
- To define, to approve of and to bring up to date the national criteria of Sustainable Development (SD) for CDM projects and the methods of their implementation.
- To adopt its internal regulation and to update it.

# COMPOSITION OF THE DNA

**The President  
of the DNA**

**Mr. the Minister of Environment and  
Sustainable Development.**

**The Permanent  
Secretariat**

**The General Directorate  
of Environment and the  
Quality of Life**

**The members representing  
ministries and organizations**

- Ministry of Environment and Sustainable Development
- Ministry of Foreign Affairs
- Ministry of Development and International Cooperation
- Ministry of Finances
- Ministry of Industry, Energy and Small and Medium Enterprises.
- Ministry of Agriculture and the Hydraulic Resources
- Ministry of Transport
- Ministry of Trade and Craft Industry
- Ministry of Interior and Local Development.
- Tunisian Union of Industry, Trade and Craft industry (UTICA)
- Tunisian Union of Agriculture and Fishing (UTAP)
- Central Bank of Tunisia
- National Agency for Energy Efficiency (ANME)
- Tunisian Company of Electricity and Gas (STEG)
- Tunisian Chemical Group (GCT)

# ROLE OF THE CDM TASK FORCE

- The CDM Task Forces activities revolve around the following axes:
  - Identification of CDM projects with project proponent,
  - Preparation of a CDM project portfolio in industry and energy sectors,
  - Preparation of Project Idea Notes (PIN) and submission thereof to the DNA for approval,
  - Mobilization of the financial resources necessary to ensure the technical assistance to projects, throughout the various steps of CDM project cycle and, more particularly, in the preparation of the Project design Document (PDD), the choice of the Designed Operational Entity (DOE) for the validation of the PDD, registration of the project with the CDM Executive Board, and the choice of the DOE for the certification of the emissions avoided,
  - Assisting CDM projects proponents towards the sale of the CERs.

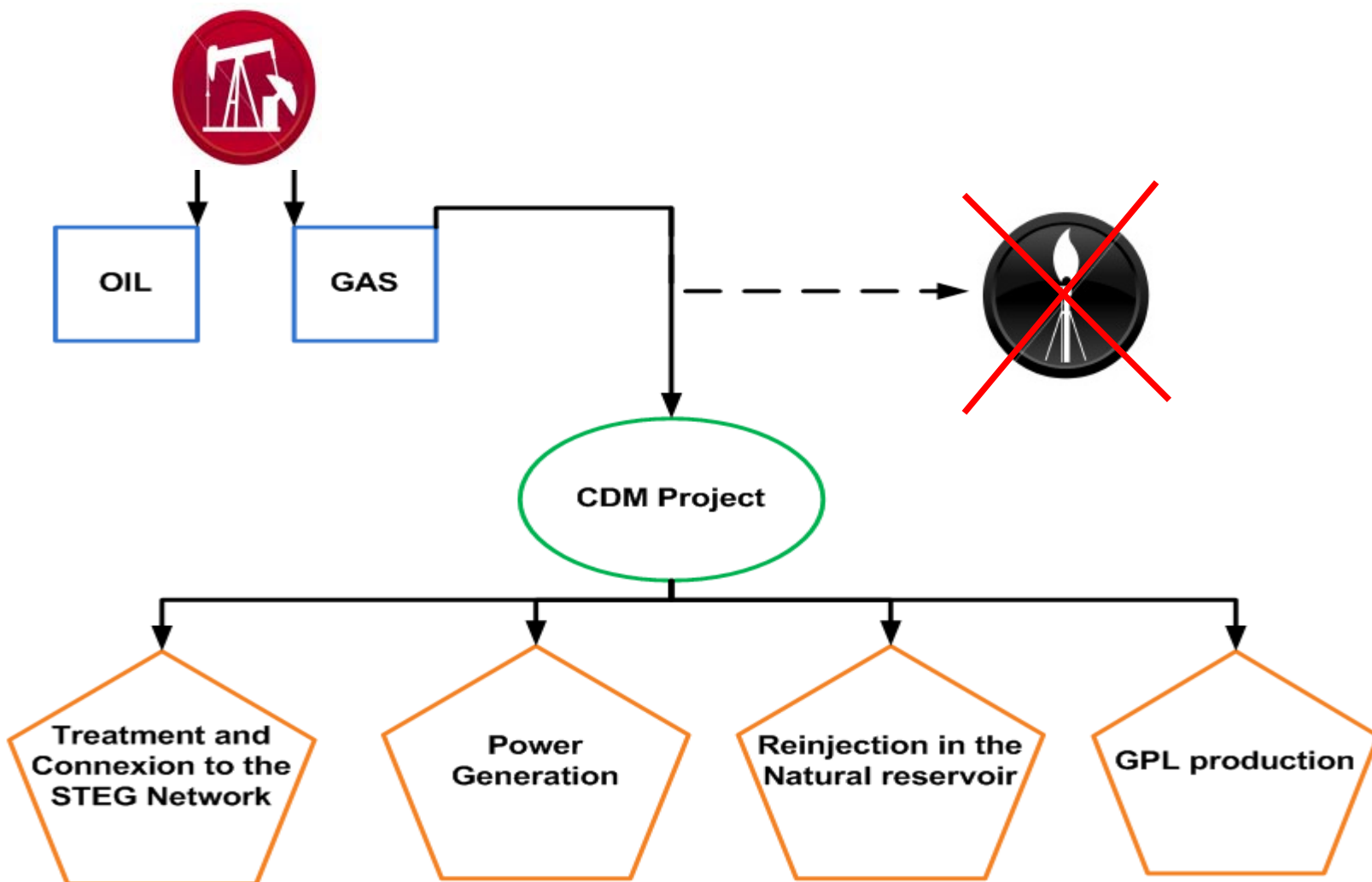
# CDM TASK FORCE

- The results of the works conducted by the CDM Task Force are reported as a « CDM PROJECTS PORTFOLIO »
- This portfolio comprises 76 projects that are potentially eligible under the CDM and whose inception is particularly scheduled for the period 2007-2011. It divided into five main fields :
  - Energy efficiency,
  - Renewable energies,
  - Fuel switching,
  - Other energy projects (including fuel gas recovery projects),
  - Industrial processes.

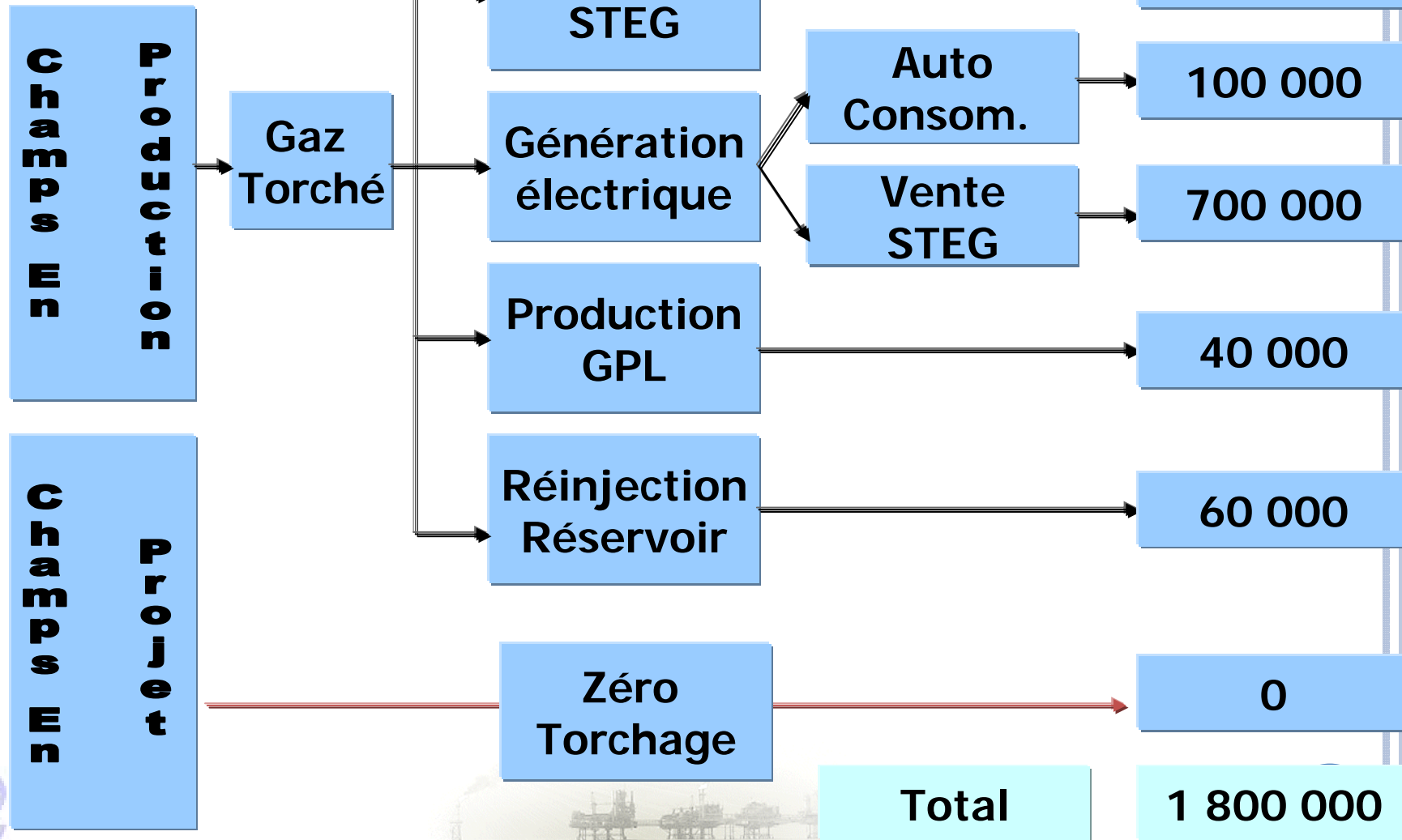
# PORTFOLIO OF CDM PROJECTS IN THE ENERGY AND INDUSTRY SECTORS

Project designation	Number of projects	Emissions reductions per year (1000 tCO <sub>2</sub> e)	Emissions reductions over crediting period (1000 tCO <sub>2</sub> e)
Energy efficiency	37	609	34 662
Renewable energies	20	736	13 714
Fuel switching	3	94	944
Other energy projects	14	1 765	40 296
Industrial processes	2	1 799	17 985
<b>TOTAL</b>	<b>76</b>	<b>4 304</b>	<b>107 600</b>

# ETAP'S CDM PROJECTS



# Valorisation



# ETAP'S CDM PROJECTS

Project designation	Project Holder	CDM progress status	Emission reductions (ktCO <sub>2</sub> /y)	Crediting period	Starting of crediting period	Emission reductions (ktCO <sub>2</sub> over crediting period)	Emission reductions up to 2012 (ktCO <sub>2</sub> )
Flare gas recovery from the oil site of Jebel Grouz and export the STEG gas network	ETAP & ENI	PIN approved by DNA	91,2	10	2008	912	456
Partial flare gas recovery from the Adam oil field and power production	ETAP / ENI / Pioneer / STORM and Parenin	PIN in progress	209	21	2009	4 389	836
Flare gas recovery at the oil field of Cercina and power production	ETAP & OMV	PIN in progress	19,6	21	2009	411	78,3
Flare gas recovery at the oil field of Sidi Kilani and power production	ETAP & CTKCP	PIN in progress	6,3	21	2009	133	25,3

# ETAP'S CDM PROJECTS

Project designation	Project Holder	CDM progress status	Emission reductions (ktCO <sub>2</sub> /y)	Crediting Period	Starting of crediting period	Emission reductions (ktCO <sub>2</sub> over crediting period)	Emission reductions up to 2012 (ktCO <sub>2</sub> )
Flare gas recovery at the oil field of Rhemoura – El Ain – Guebiba and power production	ETAP & OMV	PIN in progress	6,2	21	2009	129	24,6
Recovery and conveyance of gas from Chargui to the STEG gas network and recovery of LPG and condensates	ETAP & PETROFAC	PIN in progress	87,4	10	2009	874	349,6
Recovery and conveyance of gas from Laarich to the gas network	ETAP / ENI / SODEPS	PIN in progress	134,4	10	Date not yet set	1344	-
Recovery of gas from Cherouq and reinjection in the well, in wait for scaling up the Elborma – Gabes gas pipeline	ETAP & Other partners	PIN in progress	182,4	10	2011	1824	364,8

# DJEEBEL GROUZ CDM PROJECT

- The purpose of the project is to drastically reduce associated gas flaring at the Djebel Grouz oil field operated by Eni Tunisia B. V. in partnership with ETAP. The project activity consists in the installation of all the necessary equipments which allow captation and process of associated natural gas that was previously flared. The treated natural gas will then be sent to the STEG (Société Tunisienne de l'Electricité et du Gaz) natural gas distribution grid.
- The project includes three main technical components:
  - One unit for dehydration and treatment of natural gas to satisfy all the characteristics required by the distribution operator (STEG);
  - One compressor for natural gas sent to STEG;
  - 3.5 km pipeline for natural gas transportation to the STEG pipeline.



# CHARGUI CDM PROJECT : LPG PLANT