

“The Greater Piraeus Area and its Role as Greece’s Primary Energy Gate”

**Conference on Piraeus and Its Development Prospects
as an International Center for Shipping Services**

**Organised by the University of Piraeus, Dept. of Shipping
Posidonia International Shipping Exhibition**

5 June 2014

Metropolitan Exhibition Center, Athens

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ASPROPYRGOS



Tank Farms



HELPE Refinery



HELPE Refinery

ELEYSINA

MEGARA

PERAMA

Salamina

PIRAEUS PORT

AG. THEODOROI



Motor Oil Refinery

KORINTHOS



Redhouses LNG Terminal

Saronic Gulf



The West Piraeus Energy Corridor

The Greater Piraeus area's extension to the West covers a meandering coastline up to Corinth where Greece's major energy facilities are located. These comprise three(3) major refineries, several tank farms, oil loading installations, extensive bunkering facilities, an LNG storage and gasification terminal, a coal terminal at two major power generation stations. Almost 80% of Greece's oil and gas inputs pass through this long and narrow coastal corridor which starts from Piraeus and extends west for approximately 80 kms.

There are some major issues associated with this extraordinary concentration of industrial energy related activities in such a confined area.

Major Energy Installations in the West Pirae Corridor



I. Refineries

- Hellenic Petroleum Aspropyrgos Refinery – 148,000 b/d capacity
- Hellenic Petroleum Elefsis Refinery – 100,000 b/d capacity
- Tank Farm capacity of Aspropyrgos & Elefsis 5.5 million m³
- Combined annual production of 9.0 million tons

- Motoroil Hellas Agioi Theodoroi Refinery – 185,000 b/d capacity
- Tank Farm capacity of 2.5 million m³
- Annual production – 10.2 million tons

II. LNG Terminal at Revithousa

- LNG storage and gasification capacity of 5,2 BCM's
- LNG storage capacity 130,00 m³

III. Extensive Bunkering Facilities

Power Generation* in the West Piraeus Corridor



Location	Operator	Installed Capacity
Port of Piraeus (Ag. Georgios)	PPC (Units 8 + 9)	360 MW
Aspropyrgos	Hellenic Petroleum (Refinery Station)	50 MW
Agioi Theodoroi	Motoroil Hellas (Refinery Station)	66 MW
Agioi Theodoroi	Corinth Power	440 MW

* It concerns natural gas fired thermal power generating plants



Some Key Issues

We have four major issues associated with this extraordinary concentration of industrial energy related activities in such a confined area:

- ❑ **The energy related industrial and services sector is responsible for high employment level (Some 10,000 skilled jobs are directly related to the operation of the energy corridor + 5.000 indirect ones)**
- ❑ **There is potential for new investment and business opportunities**
- ❑ **There is a need for further environmental protection and quality assurance**
- ❑ **There is a need for the continuous assessment of risks focusing on environmental and security threats**



Looking Ahead

- ❑ **In view of the large concentration of oil gas and power generation activities in this elongated land strip a number of environmental and security issues are at play.**
- ❑ **Considering a 20-25 year time span there is clearly a need for an integrated approach which should cover environmental performance(i.e greenhouse gases monitoring, enviromental standarts compliance) sea and land based accidents and security threats.**
- ❑ **Although the operation of each installation is governed by strict environmental and operational standards and guidelines there appears to be lack of a coordinated framework which should also include sea traffic management.**
- ❑ **The setting up of such coordinated approach, leading to the full time operation of a coordinating, monitoring and control body, should be the subject of a broad public dialogue with the full participation of the companies concerned and of the related public agencies and government bodies.**





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**Thank you for
your attention**

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