



HELENIC PETROLEUM

Date: 9/2/2010

Prot. No.: 9875

## CERTIFICATE

We hereby certify that the company ET.M.ER. S.A. undertook and executed as a Contractor on behalf of Hellenic Petroleum S.A. in the Industrial Facilities of Aspropyrgos the following project:

### “HAZOP IMPLEMENTATION STUDY U-2600”

**Assignment:** Fax of Intent / 01-07-2009  
**Contract:** 4403009538  
**Contractual cost:** 2,598,562.32 Euro  
**Deadline:** 27/11/2009

#### Description of tasks

Implementation of modifications in the Equipment of the Unit 2600, which are necessary for its safe operation, as derived from the Hazard and Operability Study – HAZOP.

The project included the following briefly described tasks:

1. New equipment installation (pumps, exchangers, container), dismantling of the old and alterations in the existing equipment.
2. Civil works: Equipment infrastructure foundations, pumps bases, electrical channels works, metal structures fire protection.
3. Mechanical works: Metal structures for equipment and piping installation, as well as construction of fuel piping networks for the connection of the old with the new equipment.
4. Electrical works: Construction of power networks for the connection of the new equipment with the unit's substation and construction of lighting for the unit's new sections.
5. Instruments and automatism works: Installation, unit instruments assembly, construction of instrument networks up to the control room.
6. Thermal insulation of piping and equipment.
7. Painting of piping and metal items.

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8. Unit maintenance: Unit equipment (vessels, towers, exchangers), equipment maintenance, inspection and maintenance of old instruments, replacement of old items (valves, etc.)

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The executed tasks, as invoiced until December 31<sup>st</sup> 2009, amounted to 2,720,280.45 Euro, excluding VAT. The aforementioned tasks were distributed as follows:

YEAR	CATEGORY	COST in Euro	TOTAL in Euro
2009	CIVIL	466,780	2,720,280.45
2009	INDUSTRIAL/ENERGY-RELATED	571,184.45	
2009	ELECTROMECHANICAL	529,481	
2009	UNDER PRESSURE HYDRAULICS	1,152,835	

The execution of the aforementioned tasks was utterly satisfying and the project was promptly delivered.

For HELENIC PETROLEUM SA  
Aspropyrgos Industrial Facilities  
Dionysios Routsis  
Deputy General Manager  
South Refineries  
(Signature)

Exact translation in the English language  
Of the attached hereto Greek document  
Athens, 4/4/2014  
The Translating Lawyer

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