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Managing Environment, Safety & Risk

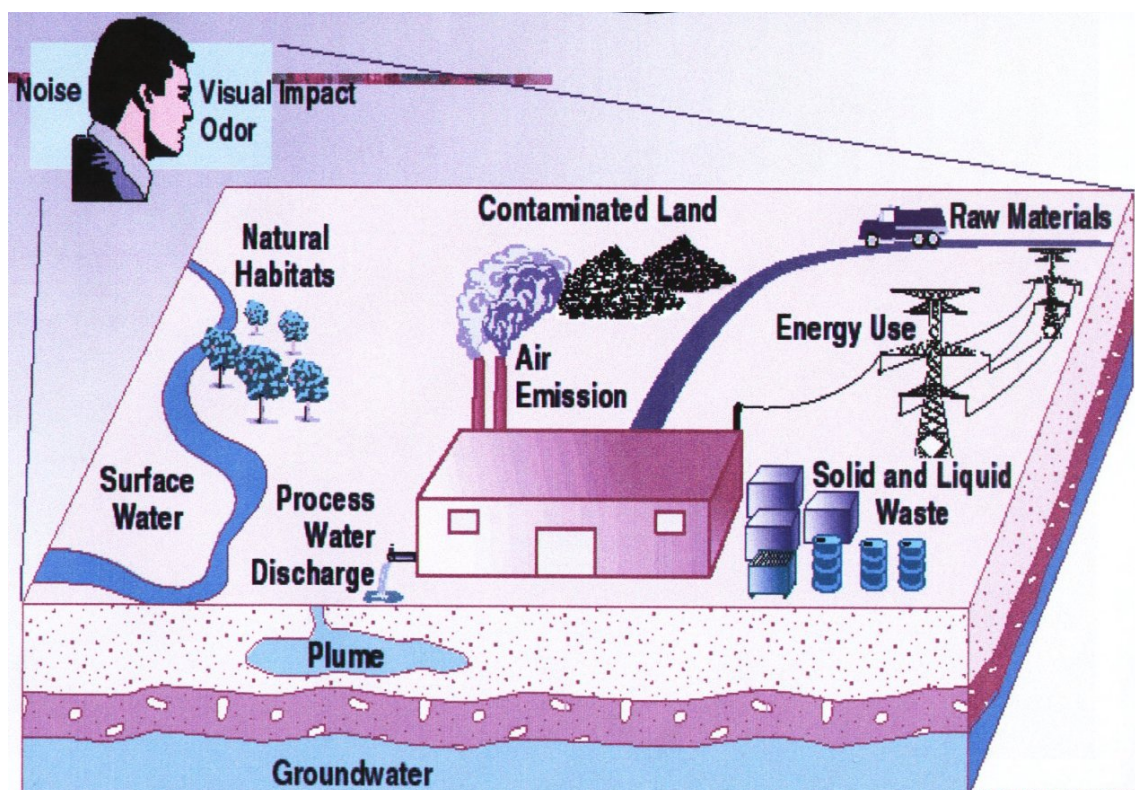
16 Ypsilandou, Maroussi GR 151 22 Athens, Greece
Tel +30210-8024244 / Fax +30210-6141245
e-mail : mail@sybilla.gr

VAT No. EL 095487874

TÜV
AUSTRIA
CERTIFIED M.S.
ISO 9001:2015
ISO 14001:2015

CAPACITY STATEMENT

INDICATIVE LIST OF ENERGY RELATED ENVIRONMENTAL IMPACT ASSESSMENT AND CHEMICAL ENGINEERING STUDIES



SEPTEMBER 2020



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***ENVIRONMENTAL IMPACT ASSESSMENT STUDY OF A 435 MWe POWER STATION
IN XARAINITINI, THIVA***



CONTRACTOR	HERON THERMOELECTRICS-ΗΡΩΝ ΘΕΡΜΟΗΛΕΚΤΡΙΚΗ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2000
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-THIVA



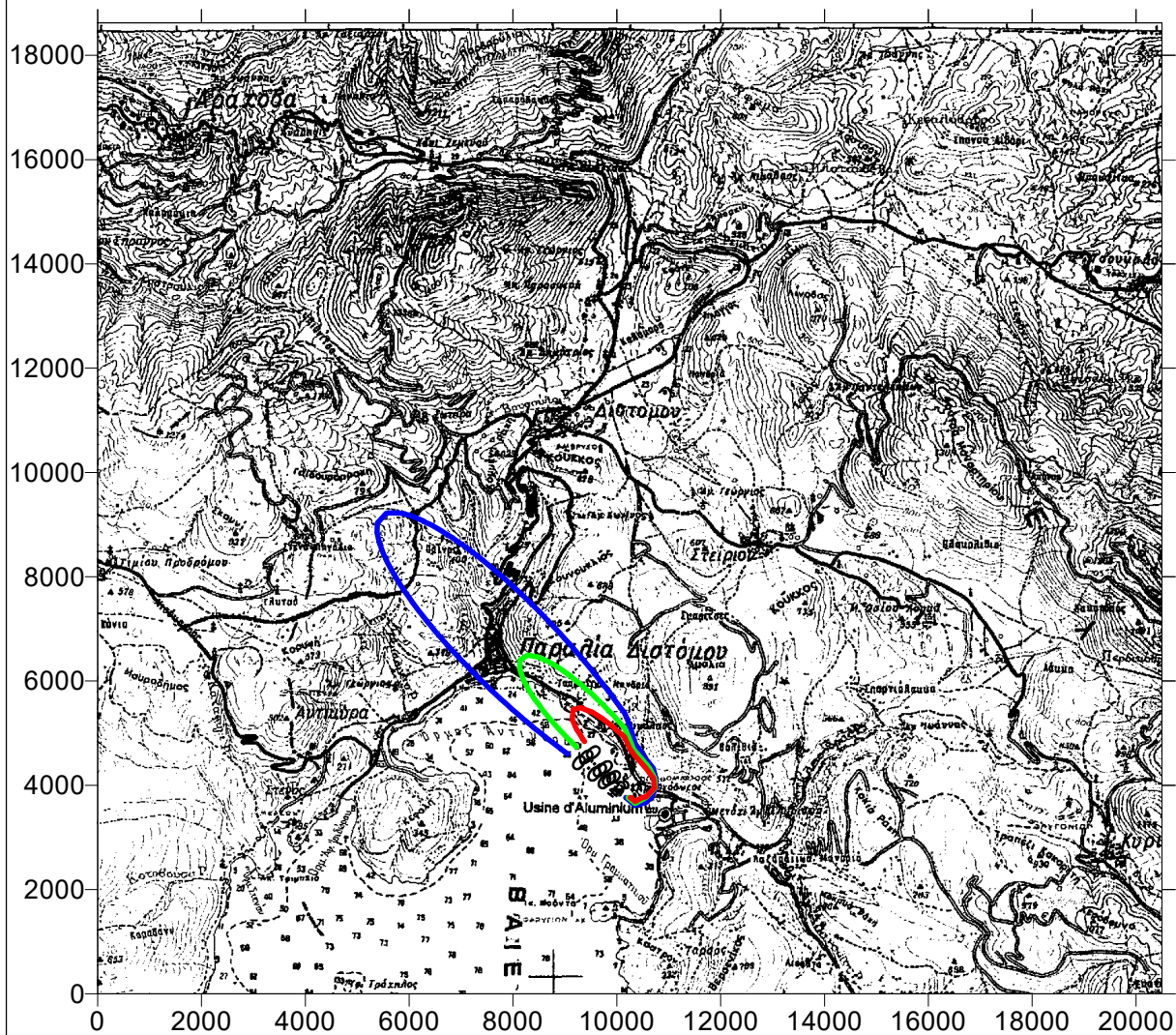
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**ENVIRONMENTAL IMPACT ASSESSMENT STUDY OF A NEW BOILER .
ALUMINIUM HELLAS SA AT AGIOS KIKOLAOS , VIOTIA**



CONTRACTOR	ALUMINIUM HELLAS SA-ΑΛΟΥΜΙΝΙΟΝ ΤΗΣ ΕΛΛΑΔΟΣ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2001
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-AGIOS NIKOLAOS



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ENVIRONMENTAL IMPACT ASSESSMENT STUDY OF A WIND-TURBINE PARK AT «ΖΑΠΑΚΕΣ» EVIA



CONTRACTOR	GREEK ENERGY CONTOR SA-ΕΛΛΗΝΙΚΗ ΕΝΕΡΓΗΚΙΚΟΝΤΟΡ ΑΕ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	1998
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-EVIA



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ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR A CAR TYRES CEMENT CO-COMBUSTION UNIT AT ΧΑΛΥΨ Δομικά Υλικά INSTALLATION IN ASPROPURGOS, ATHENS.



CONTRACTOR	XALYPS SA- ΧΑΛΥΨ ΑΕ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2000
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS



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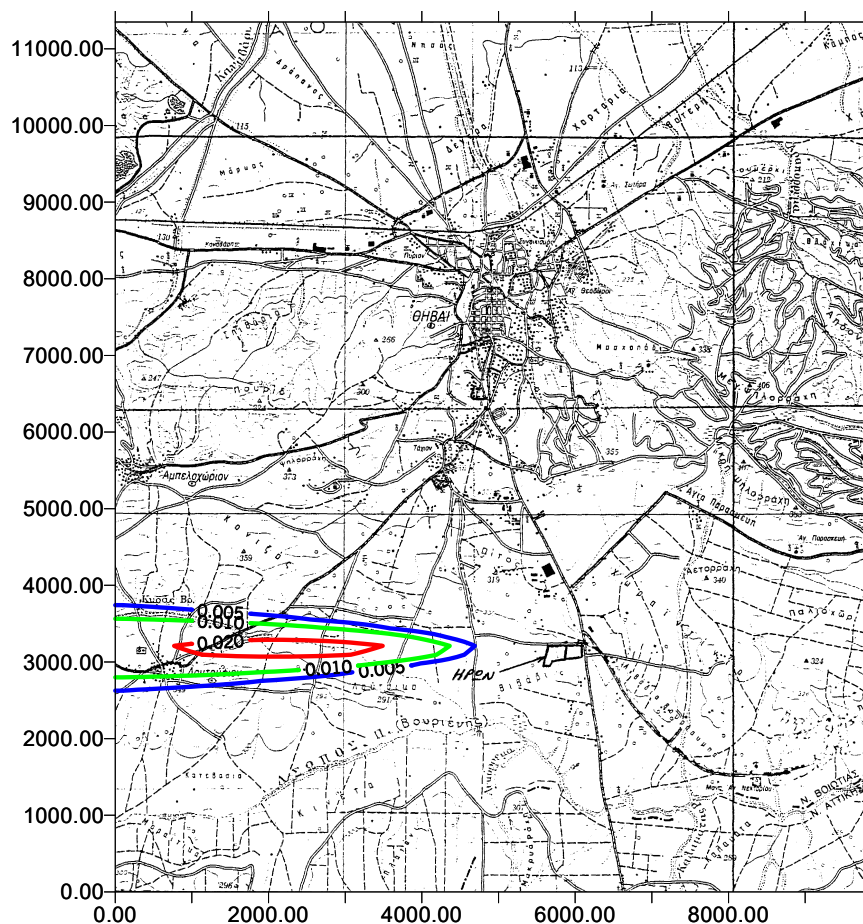
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ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR A NATURAL GAS POWER PLANT AT THIVA.



NOx 5m/s E, Stability D

Αποτελέσματα Μοντέλλου Διασποράς. Ισορρυπαντικές Καμπύλλες Αέριου Ρύπου **NOx** (σε $\mu\text{g}/\text{m}^3$) .
Μετεωρολογικό Σενάριο Ανατολικός Άνεμος 5 m/s. (Ευστάθεια D - Καμπύλλες 0.005 - 0.01 - 0.02)

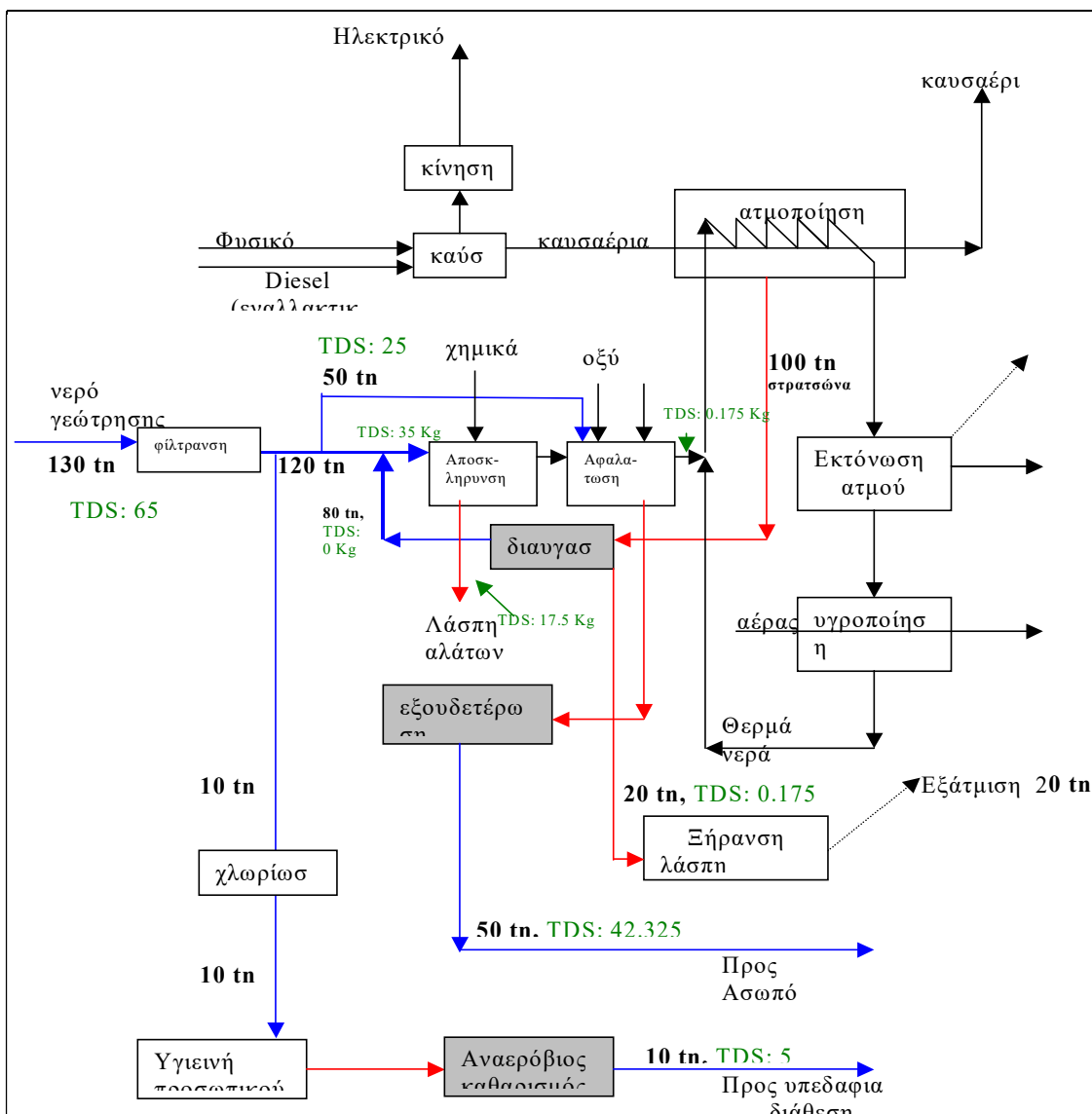
CONTRACTOR	HERON SA-HPΩN AE
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2001
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-THIVA



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WASTEWATER TREATMENT AND DISPOSAL FOR A NATURAL GAS POWER PLANT AT THIVA.

CONTRACTOR	HERON SA-HPΩN AE
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2001
SHORT DESCRIPTION	WASTEWATER TREATMENT AND DISPOSAL STUDY
LOCATION	GREECE/ATHENS-THIVA



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**ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR A NATURAL GAS POWER PLANT
150 (3 X 50) MWe AT XARANTINI THIVA.**



CONTRACTOR	HERON THERMOELECTRICS-ΗΡΩΝ ΘΕΡΜΟΗΛΕΚΤΡΙΚΗ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2004
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-THIVA



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ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR A NEW SUBSTATION 150 KV/ 20 KV AT REFINERY MOH HELLAS SA IN KORINTHOS



Φωτο. 2. Θέση Υποσταθμού

CONTRACTOR	MOTOR OIL HELLAS SA-MOTOP OIL (ΕΛΛΑΣ)
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2004
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-KORINTHOS



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ENVIRONMENTAL IMPACT ASSESSMENT STUDY OF A SMALL HYDROELECTRIC WORK 1,42 MW IN AETOMILITSA, IOANNINA



CONTRACTOR	THESSALY ENERGY SA-ΕΝΕΡΓΕΙΑΚΗ ΘΕΣΣΑΛΙΑΣ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2004-2005
SHORT DESCRIPTION	SMALL HYDROELECTRIC WORKS ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-IOANNINA



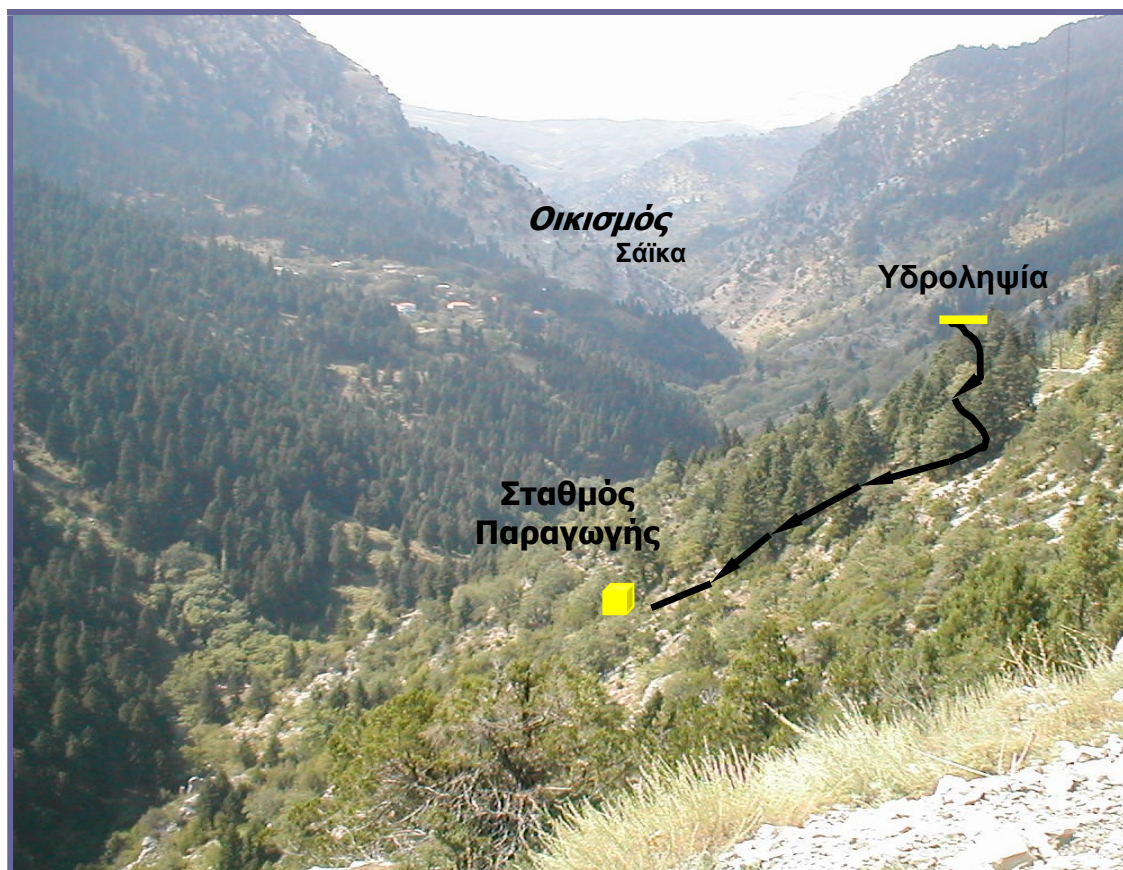
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ENVIRONMENTAL IMPACT ASSESSMENT STUDY OF A SMALL HYDROELECTRIC WORK 600 kW IN SAIKA, EVRITANIA.



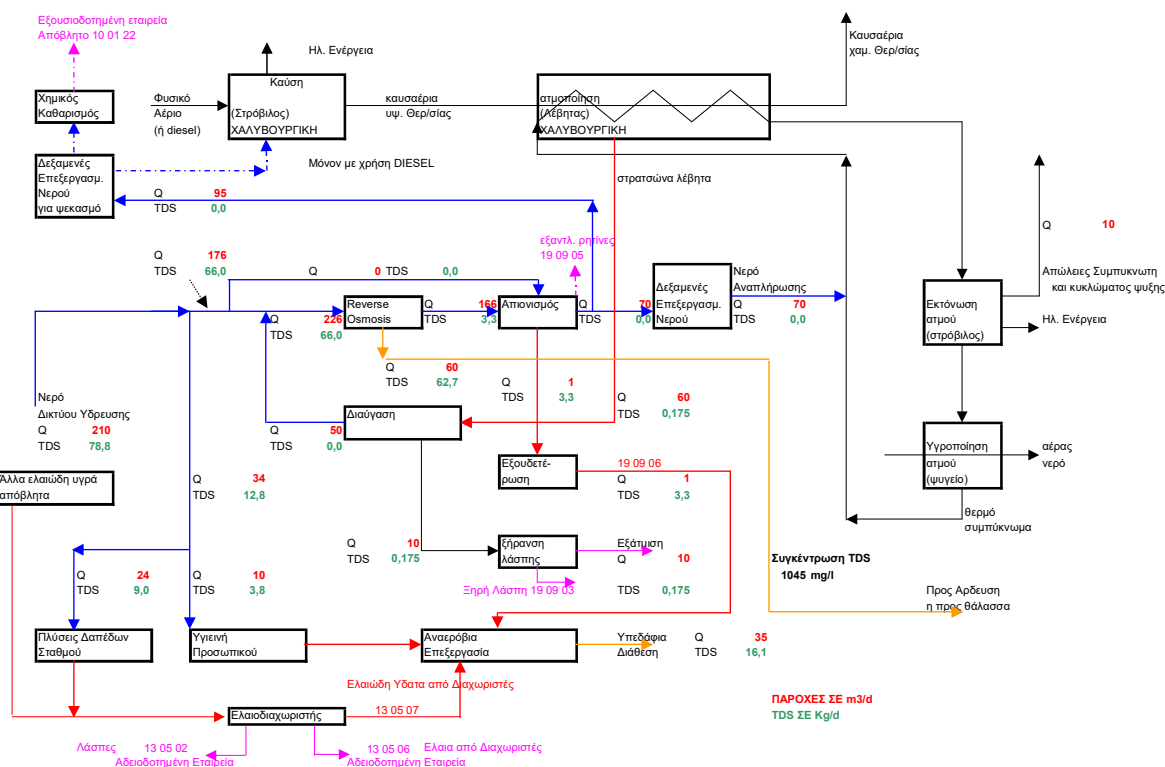
CONTRACTOR	ENKAT SA-ENKAT AE
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2004-2006
SHORT DESCRIPTION	SMALL HYDROELECTRIC WORKS ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-EVRITANIA-



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WASTEWATER TREATMENT AND DISPOSAL STUDY OF A NATURAL GAS 824 MWe AT THE ISTALLATION OF CHALYVOURGIKI SA, IN ASPROPYRGOS, ATHENS.

CONTRACTOR	CHALYVOURGIKI SA-ΧΑΛΥΒΟΥΡΓΙΚΗ ΑΕ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2006
SHORT DESCRIPTION	WASTEWATER TREATMENT AND DISPOSAL STUDY
LOCATION	GREECE/ATHENS



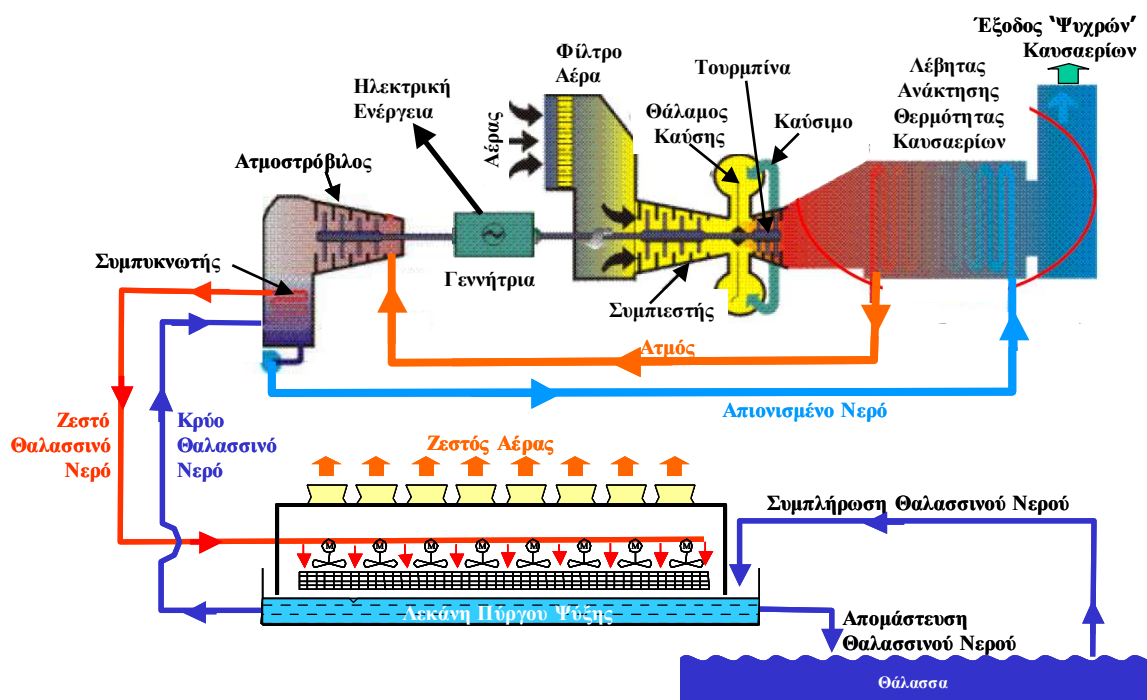
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ENVIRONMENTAL IMPACT ASSESSMENT STUDY OF A NATURAL GAS 824 MWe AT THE INSTALLATION OF CHALYVOYRGIKI SA, IN ASPROPYRGOS, ATHENS.



Απλοποιημένο Σχηματικό Διάγραμμα Τυπικής Μονάδας Συνδυασμένου Κύκλου

CONTRACTOR	CHALYVOYRGIKI SA-ΧΑΛΥΒΟΥΡΓΙΚΗ ΑΕ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2006
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS



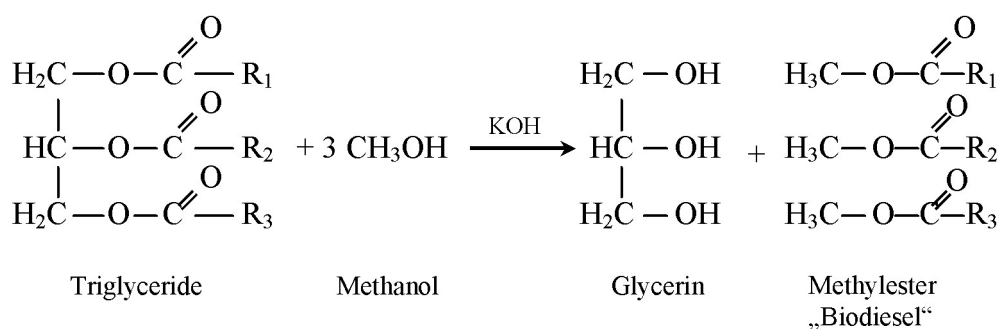
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ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR A BIOFUELS UNIT OF ARKO BIOFUELS IN ALIARTOS VIOTIA.



CONTRACTOR	ARKO BIOFUELS
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2006
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-VIOTIA



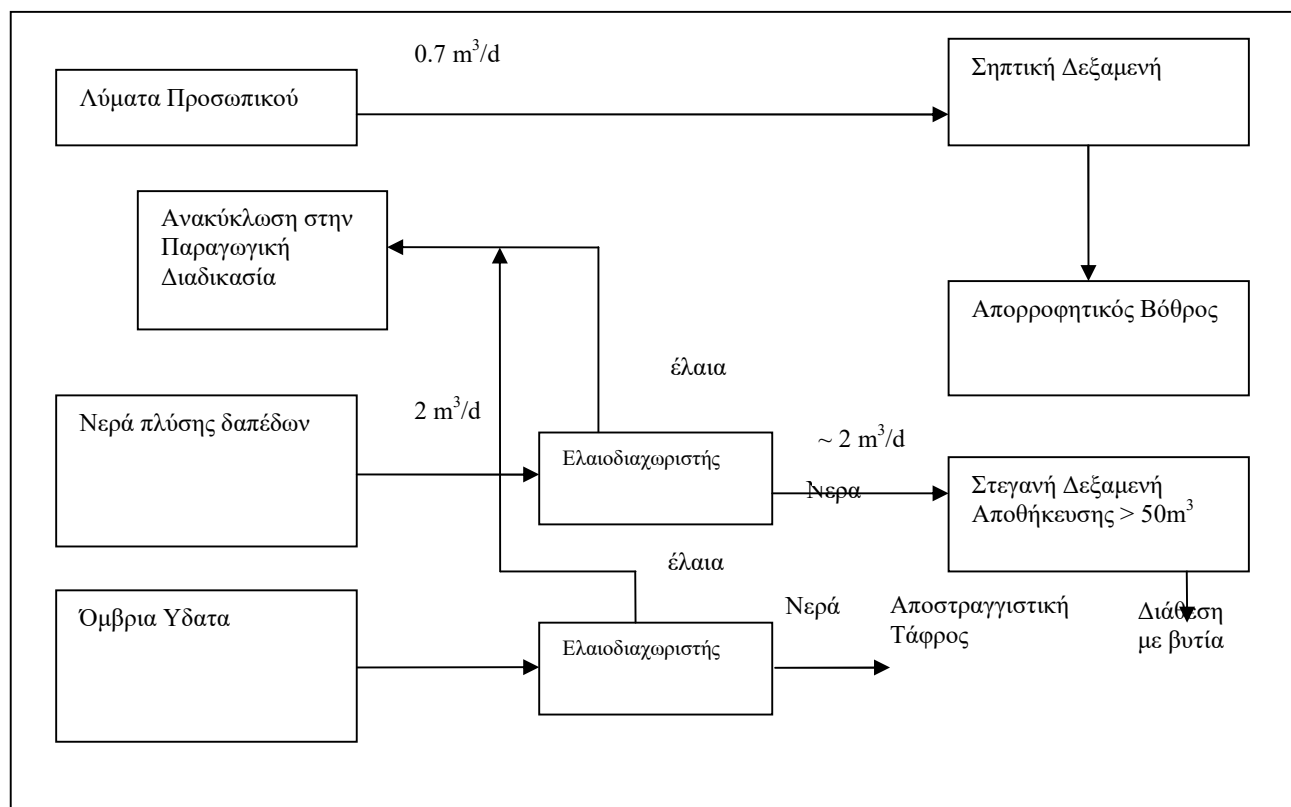
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WASTEWATER TREATMENT AND DISPOSAL STUDY FOR A BIOFUELS UNIT OF ARKO BIOFUELS IN ALIARTOS VIOTIA.



Ισοζύγιο νερού.

CONTRACTOR	ARKO BIOFUELS
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2006
SHORT DESCRIPTION	WASTEWATER TREATMENT AND DISPOSAL STUDY
LOCATION	GREECE/ATHENS-VIOTIA



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VAT No. EL 095487874



ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR THE ADDITION OF AN AIR POLLUTION ABATEMENT UNIT AT GREEK PUBLIC POWER CORPORATION-PPC SA INSTALLATION IN LIMNOS.



CONTRACTOR	PPC SA-ΔΕΗ ΑΕ/KITTIWAKE ΑΕ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2007
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-LIMNOS



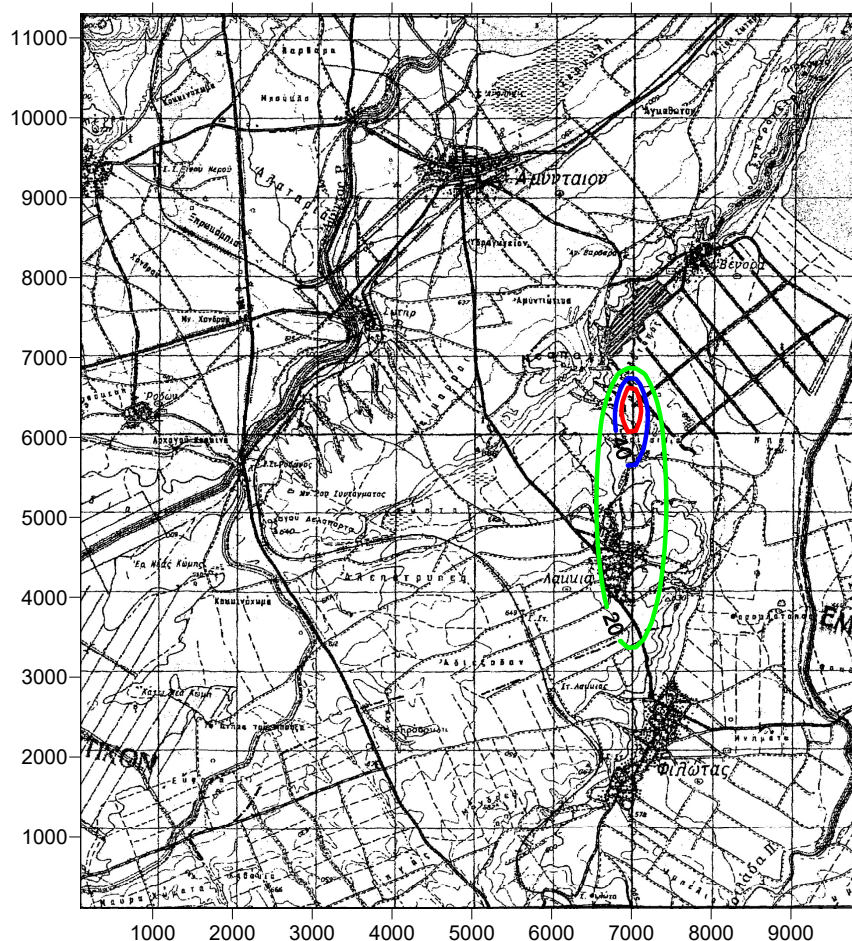
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e-mail : mail@svbilla.gr

VAT No. EL 095487874



AIR DISPERSION STUDY FOR A NATURAL GAS POWER PLANT 460 MWe AT FLORINA.



Αποτελέσματα Μαθηματικού Μοντέλου Διασποράς σε ύψος 1.5m από το έδαφος. Ατμοσφαιρικός Ρύπος Αναφοράς SO₂. (Νομοθετημένο Όριο 350 μg/m³). Δυσμενές Μετεωρολογικό Σενάριο Αναφοράς **Σενάριο 1**: Άνεμος Βόρειας Διεύθυνσης, με ταχύτητα ανέμου 2 m/s και κατάσταση ατμόσφαιρας Α (ποσοστό εμφάνισης περίπου 3% ετησίως). Οι εκπεμπόμενοι από την μονάδα ρύποι κατευθύνονται προς τον πλησιέστερο οικισμό των Λακίων που βρίσκονται σε απόσταση περίπου δύο (2) χιλιομέτρων Νότια της μονάδας. Ισοσυγκεντρωτικές Καμπύλες 20-40-50 μg/Nm³

CONTRACTOR	HERON SA-HPΩΝ ΑΕ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2008
SHORT DESCRIPTION	AIR DISPERSION STUDY
LOCATION	GREECE/ATHENS-FLORINA



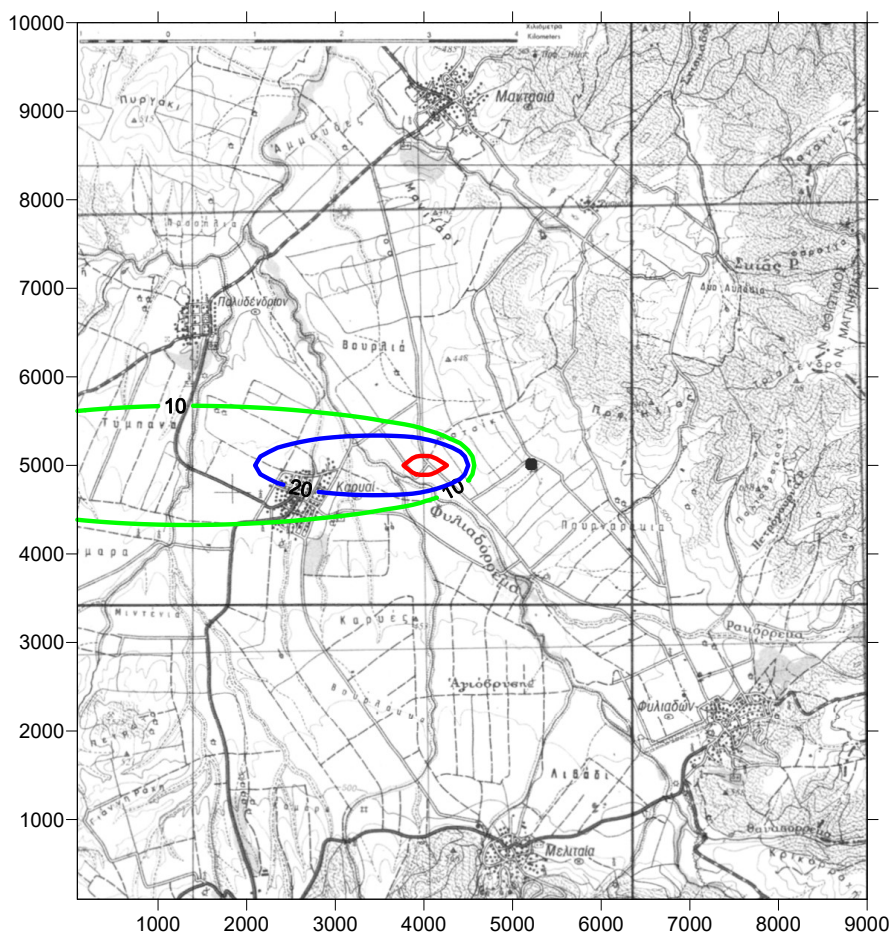
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VAT No. EL 095487874



AIR DISPERSION STUDY FOR A NATURAL GAS POWER PLANT 870 MWe AT DOMOKOS



Αποτελέσματα Μαθηματικού Μοντέλου Διασποράς σε ύψος 1.5m από το έδαφος, Ατμοσφαιρικός Ρύπος Αναφοράς NO_x, (Νομοθετημένο Οριο 200 $\mu\text{g}/\text{m}^3$ NO₂). Δυσμενές Μετεωρολογικό Σενάριο Αναφοράς **Σενάριο 2:** Άνεμος Ανατολικής Διεύθυνσης, με ταχύτητα ανέμου 2 m/s και κατάσταση ατμόσφαιρας Α (ποσοστό εμφάνισης περίπου 7.5% ετησίως).

CONTRACTOR	HERON SA-ΗΡΩΝ ΑΕ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2008
SHORT DESCRIPTION	AIR DISPERSION STUDY
LOCATION	GREECE/ATHENS-DOMOKOS



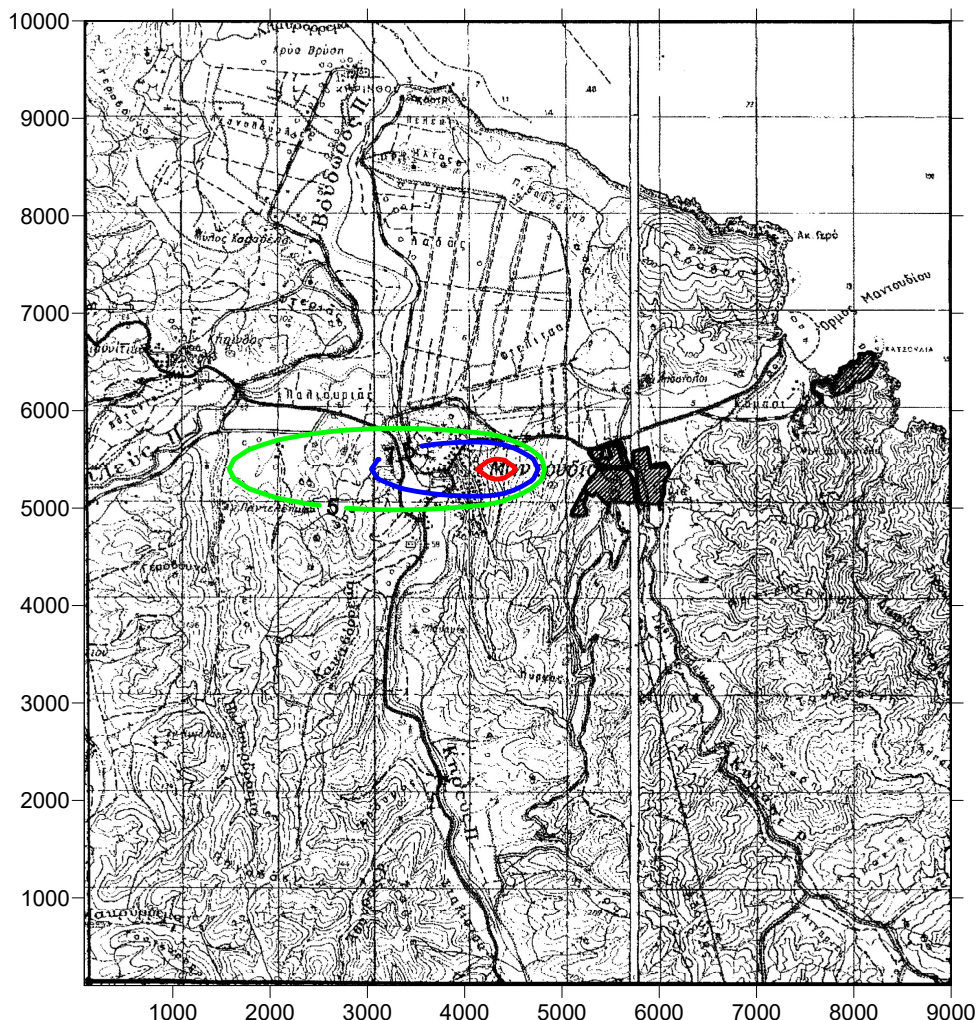
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AIR DISPERSION STUDY FOR A NATURAL GAS POWER PLANT 800 MWe AT EVIA



Αποτελέσματα Μαθηματικού Μοντέλου Διασποράς σε ύψος 1.5m από το έδαφος. Ατμοσφαιρικός Ρύπος Αναφοράς Συνολικά Αιωρούμενα Σωματίδια-TSP. (Νομοθετημένο Οριο-ημερήσια τιμή-50 $\mu\text{g}/\text{m}^3$ ΑΣ₁₀). Δυσμενές Μετεωρολογικό Σενάριο Αναφοράς **Σενάριο 2:** Άνεμος Ανατολικής Διεύθυνσης, με ταχύτητα ανέμου 2 m/s και κατάσταση ατμόσφαιρας Α (ποσοστό εμφάνισης περίπου 0.9% ετησίως). Οι εκπεμπόμενοι από την μονάδα ρύποι κατευθύνονται προς τη πόλη του Μαντουδίου που βρίσκονται σε απόσταση περίπου ενάμισυ (1,5) χιλιομέτρων Δυτικά της λιθανθρακικής μονάδας 800 MWe. Ισοσυγκεντρωτικές Καμπύλες 5-7.5-12.5 $\mu\text{g}/\text{Nm}^3$

CONTRACTOR	HERON SA-HPΩΝ ΑΕ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2008
SHORT DESCRIPTION	AIR DISPERSION STUDY
LOCATION	GREECE/ATHENS-EVIA



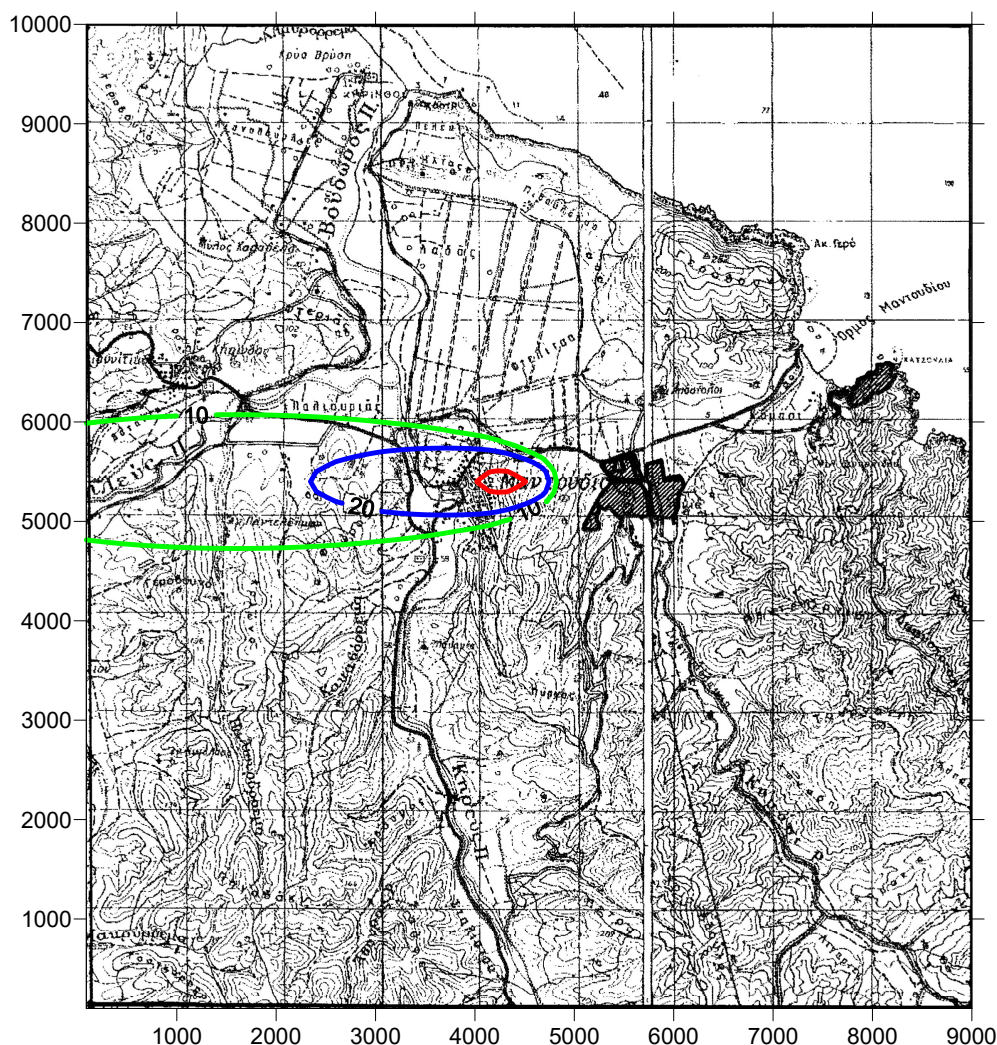
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AIR DISPERSION STUDY FOR A NATURAL GAS POWER PLANT 870 MWe AT EVIA



Αποτελέσματα Μαθηματικού Μοντέλου Διασποράς σε ύψος 1.5m από το έδαφος. Ατμοσφαιρικός Ρύπος Αναφοράς NO_x . (Νομοθετημένο Οριο $200 \mu\text{g}/\text{m}^3 \text{NO}_2$). Δυσμενές Μετεωρολογικό Σενάριο Αναφοράς **Σενάριο 2:** Άνεμος Ανατολικής Διεύθυνσης, με ταχύτητα ανέμου 2 m/s και κατάσταση ατμόσφαιρας Α (ποσοστό εμφάνισης περίπου 0.9% ετησίως). Οι εκπεμπόμενοι από την μονάδα ρύποι κατευθύνονται προς τη πόλη του Μαντουδίου που βρίσκονται σε απόσταση περίπου ενάμισυ (1,5) χιλιομέτρων Δυτικά της μονάδας ΦΑ 870 MWe. Ισοσυγκεντρωτικές Καμπύλες 10-20-40 $\mu\text{g}/\text{Nm}^3$

CONTRACTOR	HERON SA-HPΩΝ ΑΕ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2008
SHORT DESCRIPTION	AIR DISPERSION STUDY
LOCATION	GREECE/ATHENS-EVIA



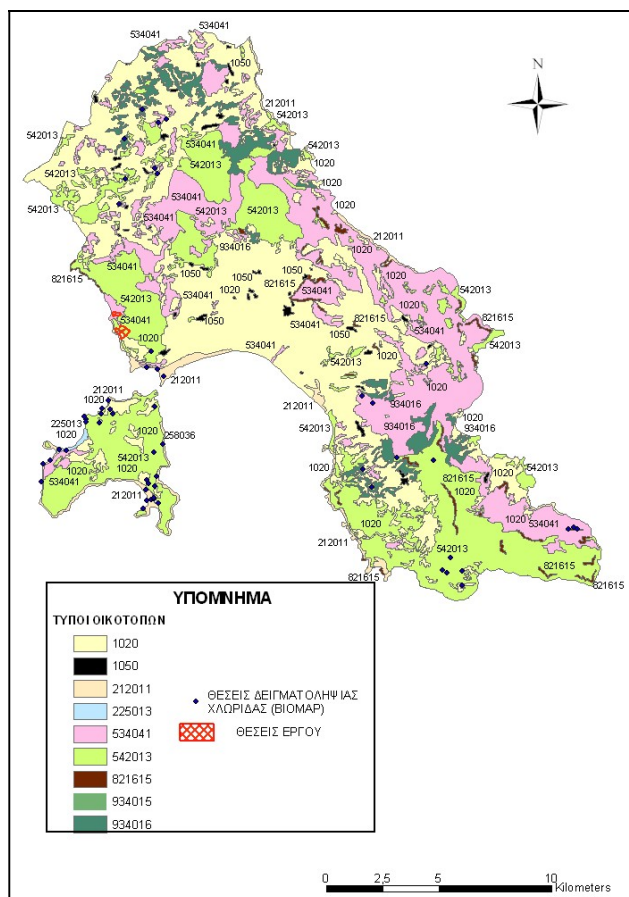
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PRELIMINARY ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR A POWER PLANT AT LAKONIA



CONTRACTOR	HERON THERMOELECTRICS-ΗΡΩΝ ΘΕΡΜΟΗΛΕΚΤΡΙΚΗ// ENVECO A.E-SYBILLA LTD-SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2007
SHORT DESCRIPTION	PRELIMINARY ENVIRONMENTAL IMPACT ASSESSMENT REPORT
LOCATION	GREECE/ATHENS-LAKONIA



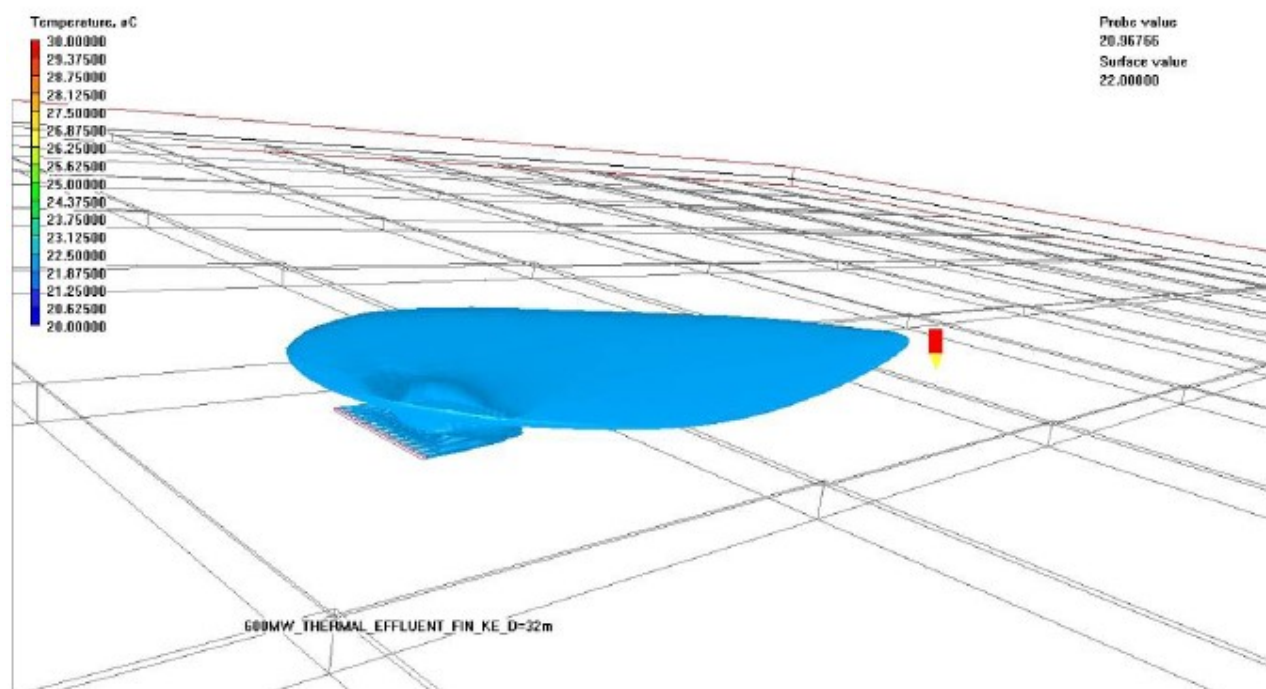
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«THERMAL PLUME DISPERSION STUDY AT PAGASITIKOS GULF FOR A POWER PLANT IN VOLOS



Ισοθερμοκρασιακή των 22° Κελσίου

CONTRACTOR	SOVEL SA-ΣΟΒΕΛ ΑΕ/ADK SA -ΑΔΚ ΑΕ/SYBILLA LTD – SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2008
SHORT DESCRIPTION	THERMAL PLUME DISPERSION STUDY.
LOCATION	GREECE/ATHENS-VOLOS



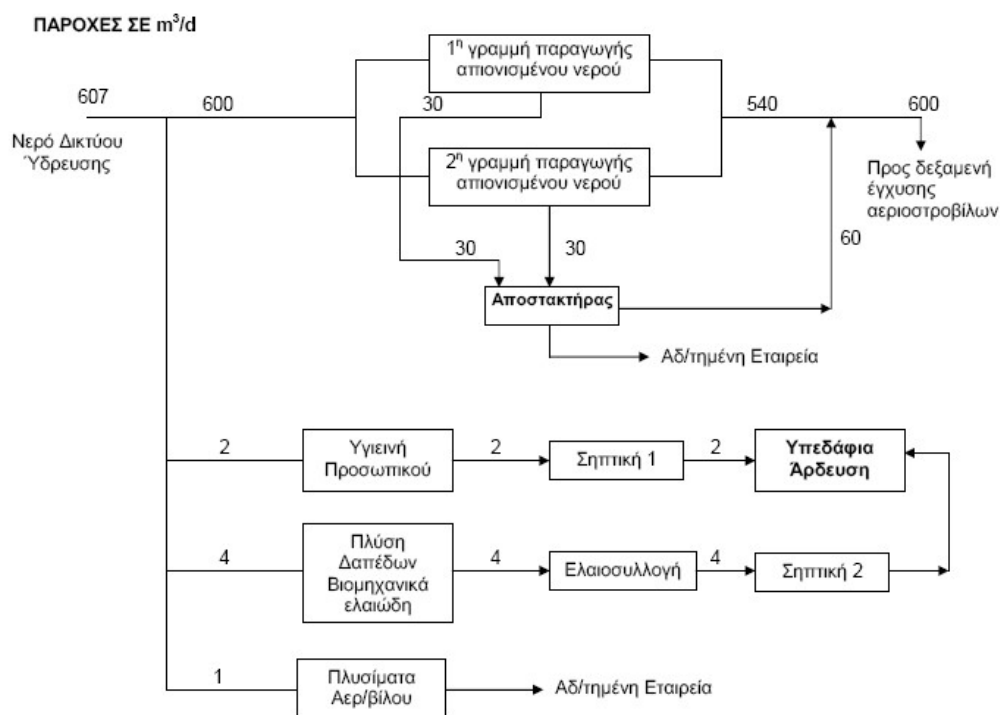
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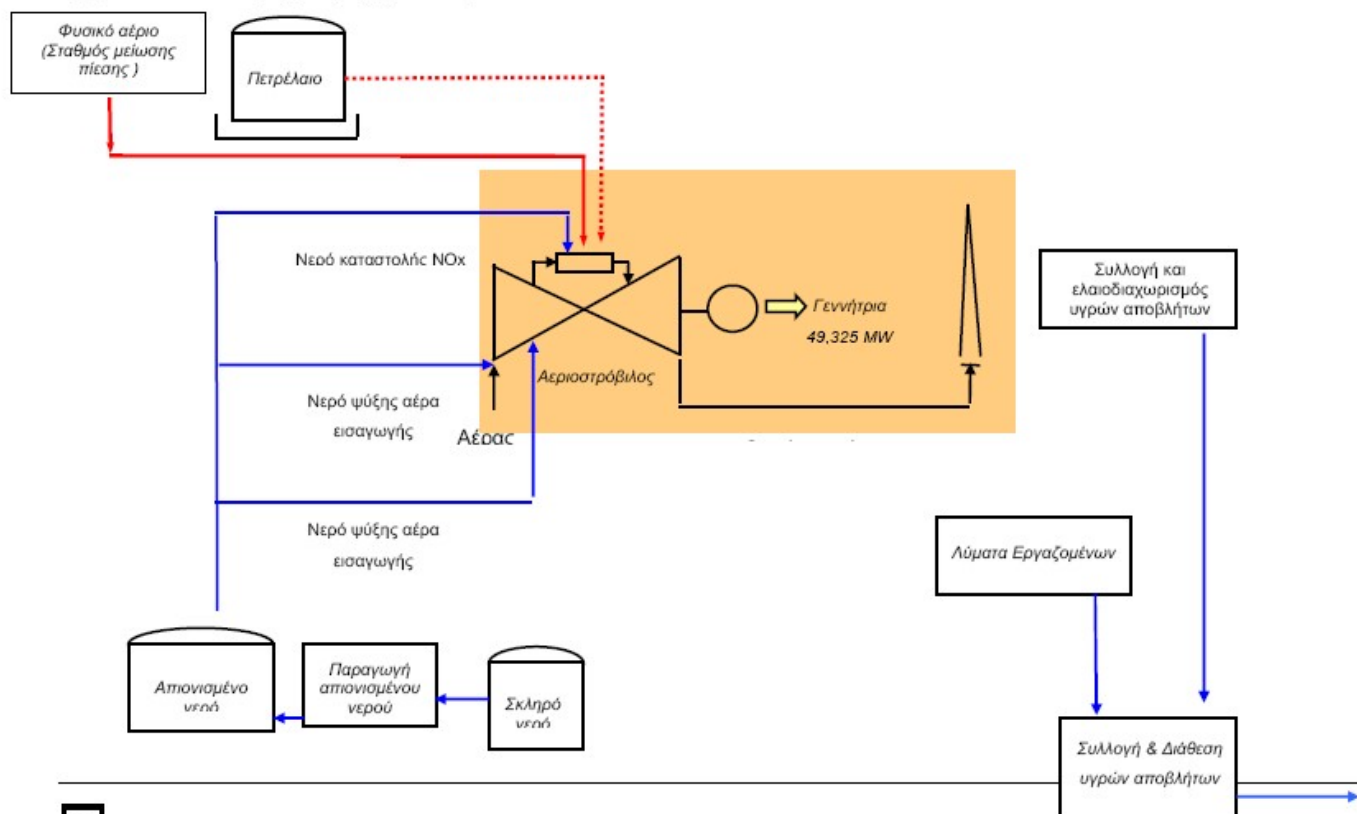
WASTEWATER TREATMENT AND DISPOSAL STUDY FOR A NATURAL GAS POWER PLANT 147,9 MWe IN KORINTHOS.



CONTRACTOR	BLUE AEGEAN ENERGY AE
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2009
SHORT DESCRIPTION	WASTEWATER TREATMENT AND DISPOSAL STUDY
LOCATION	GREECE/ATHENS-KORINTHOS

**ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR A NATURAL GAS POWER PLANT
147,9 MWe IN KORINTHOS.**

Σχήμα 7.2.3.3: Διάγραμμα ροής μονάδας ανοικτού κύκλου 49,325 MW



ΣΥΒΙΛΛΑ ΕΠΕ

Σελίδα 124

CONTRACTOR	BLUE AEGEAN ENERGY AE
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2009
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-KORINTHOS



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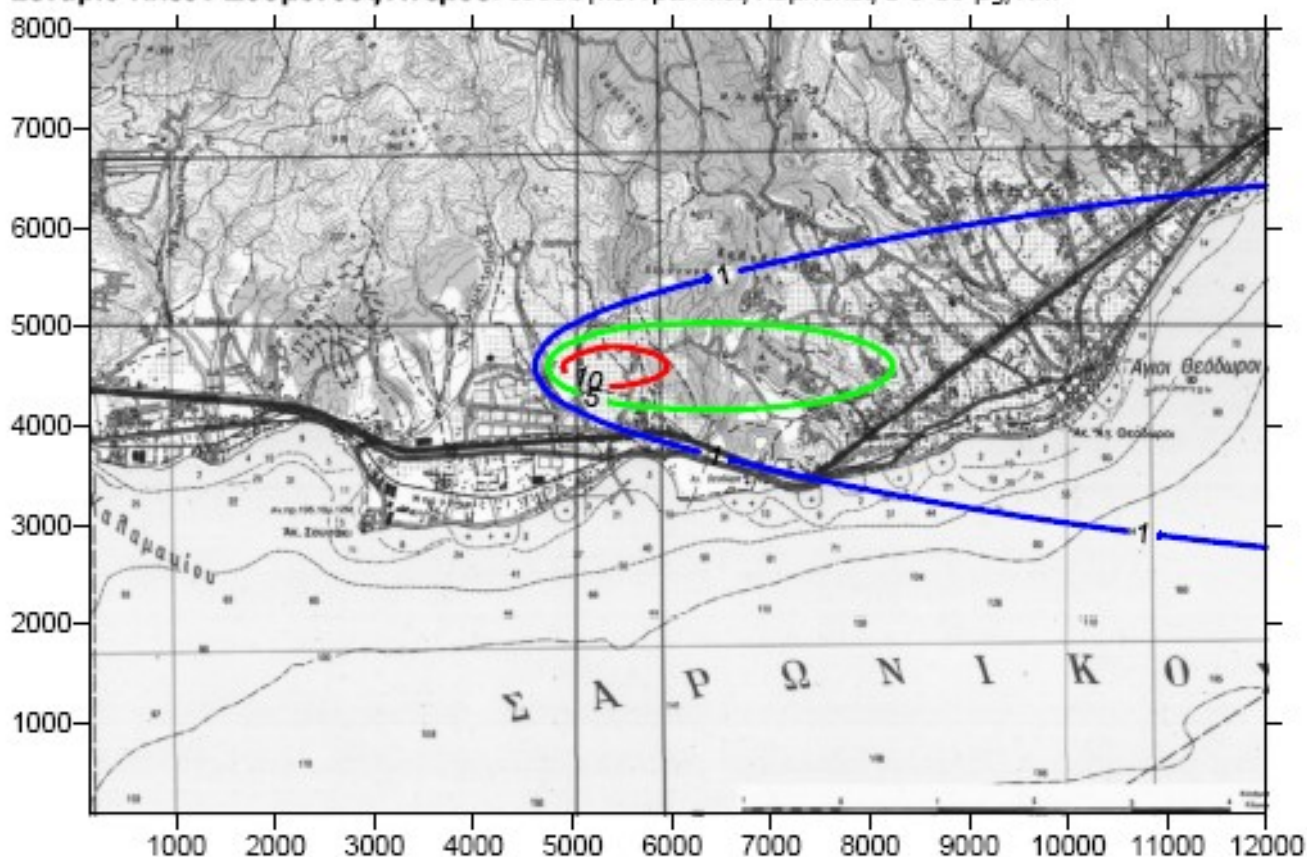
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VAT No. EL 095487874



ENVIRONMENTAL IMPACT ASSESSMENT STUDY WASTEWATER TREATMENT AND DISPOSAL STUDY FOR A NATURAL GAS POWER PLANT 147,9 MWe IN KORINTHOS.

ΣΧΗΜΑ 7.8.6.9: Αποτελέσματα Μαθηματικού Μοντέλου Διασποράς RAM σε ύψος 1.5m από το έδαφος. Ατμοσφαιρικός Ρύπος Αναφοράς NO_x. (Νομοθετημένο Οριο 200 μg/m³ NO₂). Δυσμενές Μετεωρολογικό Σενάριο Αναφοράς **Σενάριο 3:** Άνεμος Δυτικής Διεύθυνσης, με ταχύτητα ανέμου 2 m/s και κατάσταση ατμόσφαιρας A (ποσοστό εμφάνισης περίπου 9.2% ετησίως). Αντιπροσωπεύει **Σενάριο Πλέον Δυσμενούς Ανέμου**. Ισοσυγκεντρωτικές Καμπύλες 1-5-10 μg/Nm³



CONTRACTOR	BLUE AEGEAN ENERGY AE
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2010
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS -KORINTHOS



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AUSTRIA
CERTIFIED M.S.
ISO 9001:2015
ISO 14001:2015

ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR NAVIPE ASTAKOS.



CONTRACTOR	ASTAKOS TERMINAL SA-ΑΣΤΑΚΟΣ ΤΕΡΜΙΝΑΛ ΑΕ/C&M ENGINEERING ΑΕ/ SYBILLA LTD-SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2010
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-AITOLOAKARNANIA



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***CHEMICAL ENGINEERING DESIGN STUDY FOR A NATURAL GAS POWER PLANT
435 MWe IN XARANTINI THIVA***



CONTRACTOR	HERON THERMOELECTRICS-ΗΡΩΝ ΘΕΡΜΟΗΛΕΚΤΡΙΚΗ
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2009
SHORT DESCRIPTION	CHEMICAL ENGINEERING DESIGN STUDY
LOCATION	GREECE/ATHENS-THIVA



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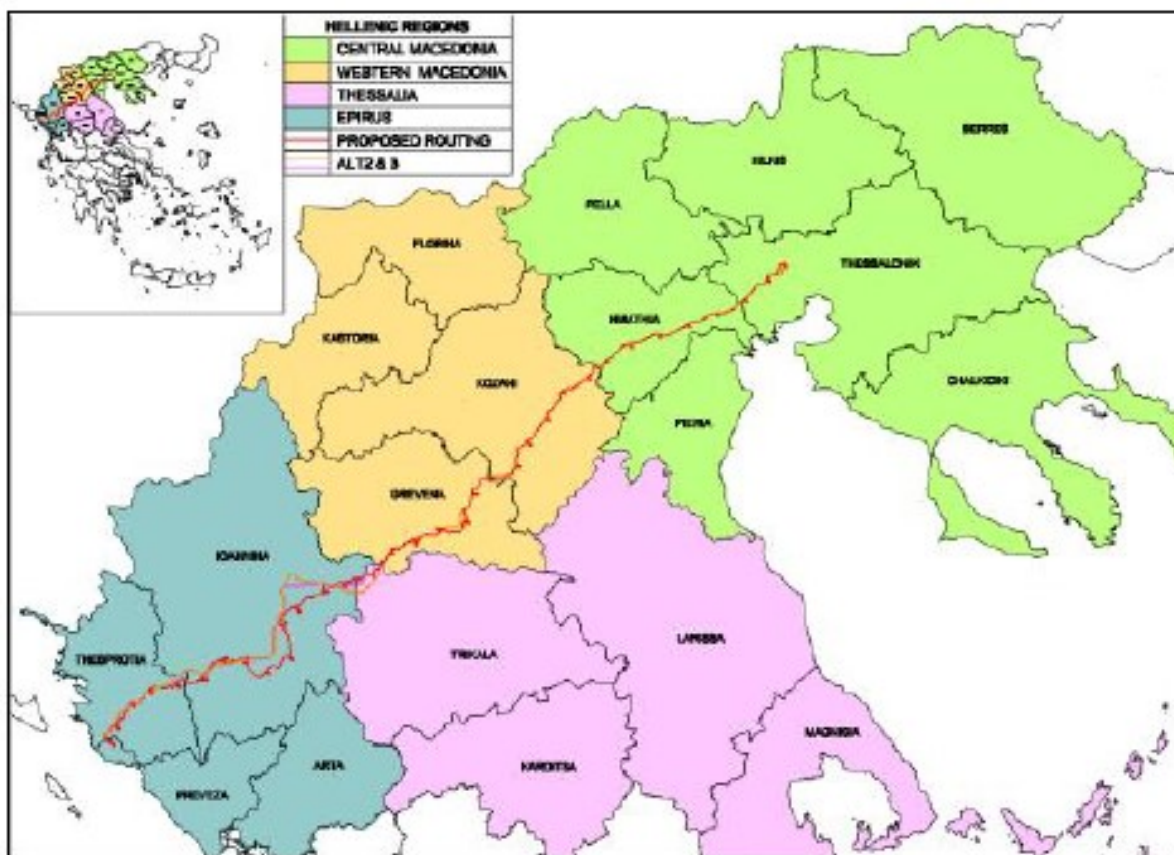
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ISO 14001:2015

**FEED & EIA for Natural Gas Interconnector Greece – Bulgaria (IGB) Project No.C –17–
2011. PRELIMINARY ENVIRONMENTAL IMPACT ASSESSMENT STUDY**



CONTRACTOR	ICGB AD/ PENSPEN-C&M/SYBILLA LTD-SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2011
SHORT DESCRIPTION	PRELIMINARY ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS;KOMOTINI

***Preliminary Study for the South Stream Project in the Greek Territory
Part II, N. Messimvria to Thesprotia, Environmental Impact Assessment Study***



CONTRACTOR	DESFA SA-ΔΕΣΦΑ/ PENSPEN-C&M/SYBIILLA LTD-SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2011
SHORT DESCRIPTION	PRELIMINARY ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-CENTRAL MACEDONIA-WEST MACEDONIA-IPIROS- THESSALIA



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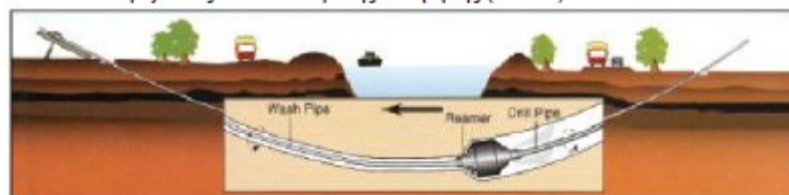
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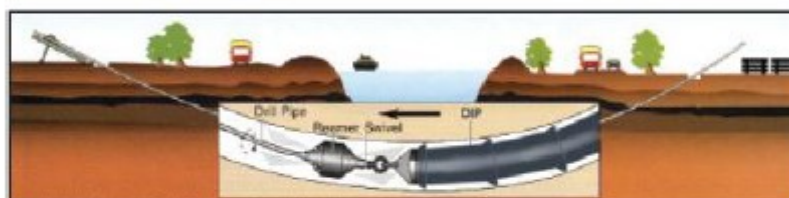


PRELIMINARY ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR A HIGH PRESSURE NATURAL GAS PIPELINE IN PELOPONISSOS FROM KORINTHIA TO MEGALOPOLIS

Διαδικασία Οριζόντιας Κατευθυνόμενης Διάτρησης (H.D.D.)



PRE-REAMING



PULL-BACK

Schematics are courtesy of the Electrical Drilling Contractors Association

Πανοραμική άποψη της Διώρυγας του Ισθμού της Κορίνθου στο σημείο της μελλοντικής διέλευσης του αγωγού φυσικού αερίου.



CONTRACTOR	DESFA SA-ΔΕΣΦΑ/ PENSPEN-C&M/SYBILLA LTD-SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2011
SHORT DESCRIPTION	PRELIMINARY ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-PELOPONNISOS



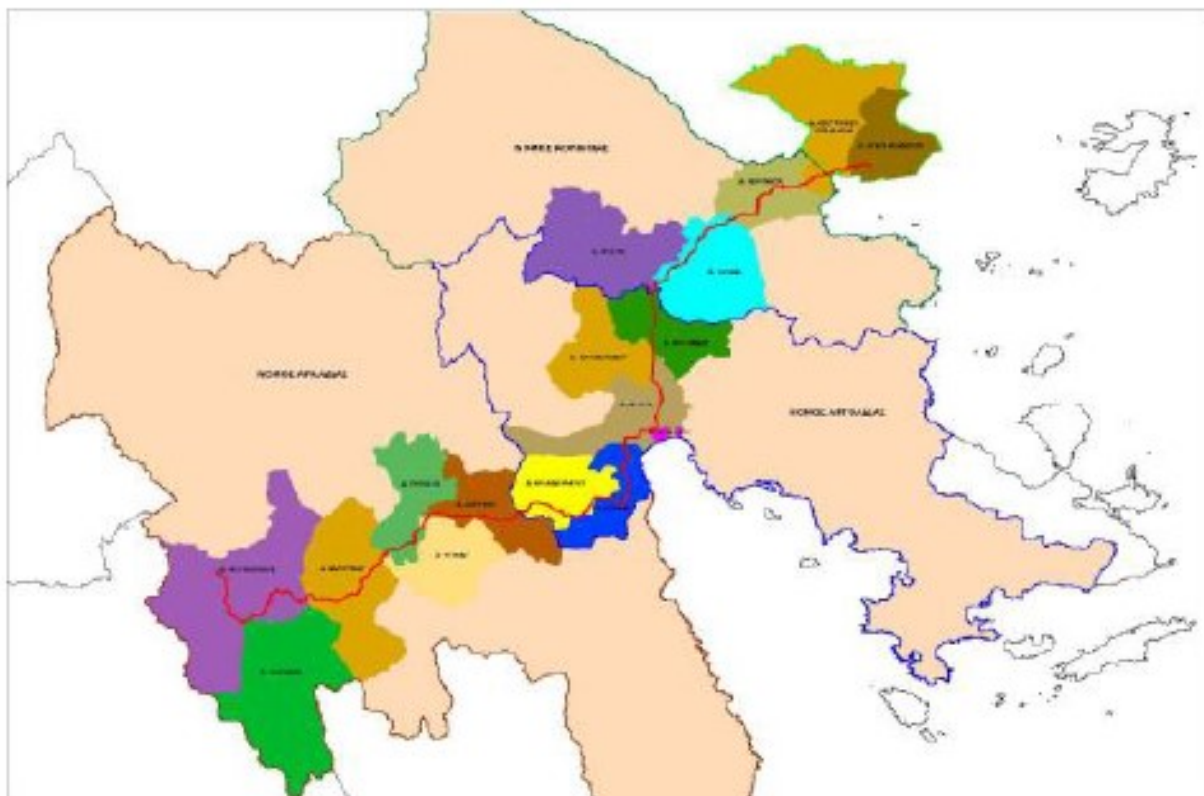
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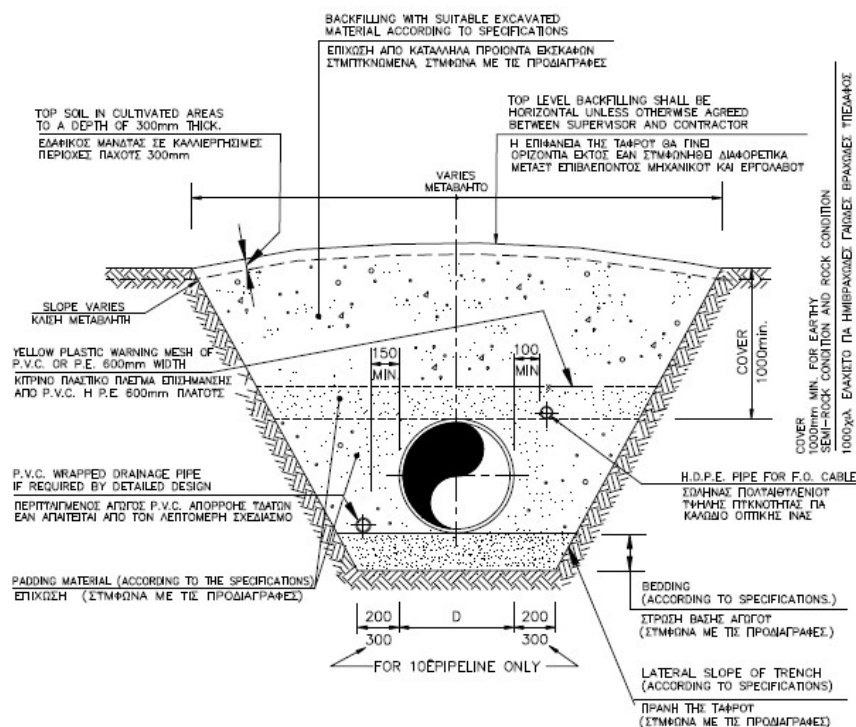
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**ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR A HIGH PRESSURE NATURAL GAS
PIPELINE IN PELOPONISSOS FROM KORINTHIA TO MEGALOPOLIS**



CONTRACTOR	DESFA SA-ΔΕΣΦΑ/ PENSPEN-C&M/SYBILLA LTD-SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2011
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS-PELOPONISSOS

***FEED Study & Environmental Impact Assessment for the Natural Gas pipeline interconnection between Greece and Bulgaria (IGB).
Environmental Impact Assessment Report***



REMARK

TYPICAL TRENCH IS NOT APPLICABLE FOR PIPELINE CROSSINGS WITH NATIONAL ROADS, RAILROADS, ROADS, RIVERS, IRRIGATION AND DRAINAGE CHANNELS, ACTIVE SEISMIC FAULTS, ETC.

Η ΤΥΠΙΚΗ ΤΟΜΗ ΤΑΦΡΟΤ ΔΕΝ ΕΧΕΙ ΕΦΑΡΜΟΓΗ ΣΤΙΣ ΔΙΑΣΤΑΤΡΩΣΕΙΣ ΤΟΤ ΑΓΩΓΟΤ ΜΕ ΕΘΝΙΚΕΣ ΟΔΟΥΣ, ΣΙΔΗΡΟΔΡΟΜΟΥΣ, ΔΡΟΜΟΥΣ, ΠΟΤΑΜΙΑ, ΑΡΔΕΤΤΙΚΑ ΚΑΙ ΑΠΟΧΕΤΕΥΤΙΚΑ ΚΑΝΑΛΙΑ, ΕΝΕΡΓΑ ΣΕΙΣΜΙΚΑ ΡΗΓΜΑΤΑ, Κ.Λ.Π.

TYPICAL TRENCH SECTION IN EARTHY, SEMI ROCKY OR ROCKY SOILS IN OPEN COUNTRY
ΤΥΠΙΚΗ ΔΙΑΤΟΜΗ ΤΑΦΡΩΤ ΣΕ ΓΑΙΩΔΗ, ΗΜΙΒΡΑΧΩΔΗ Η ΒΡΑΧΩΔΗ ΕΛΑΦΗ ΣΤΗΝ ΤΡΑΠΕΖΟ

CONTRACTOR	ICGB AD / PENSPEN-C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2011-2015
SHORT DESCRIPTION	ENVIRONMENTAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS– EASTERN MACEDONIA



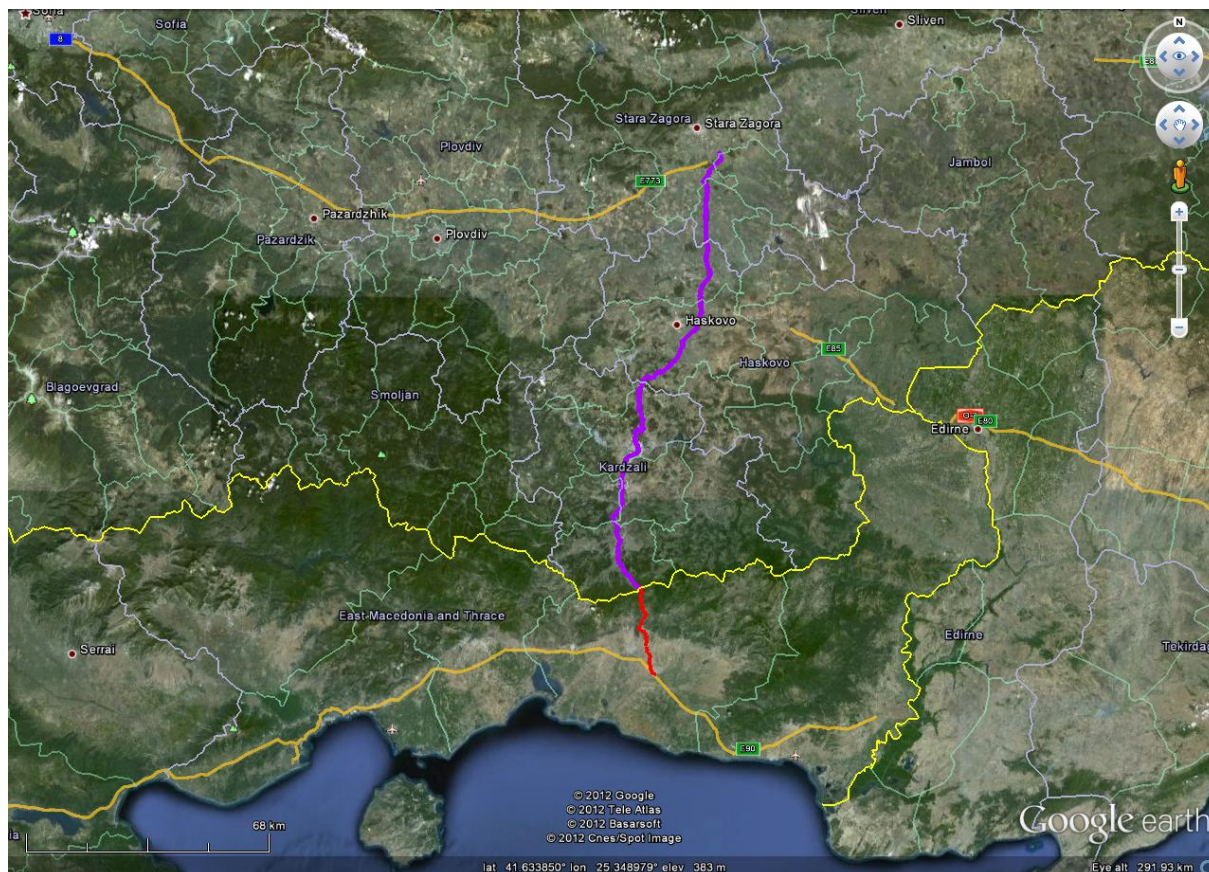
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ICGB Project ESIA Due Diligence services-Greek part (ICGB AD)



CONTRACTOR	ICGB AD /SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2015-2017
PROJECT TYPE	ICGB Project ESIA Due Diligence services-Greek part
LOCATION	GREECE/ATHENS– EASTERN MACEDONIA



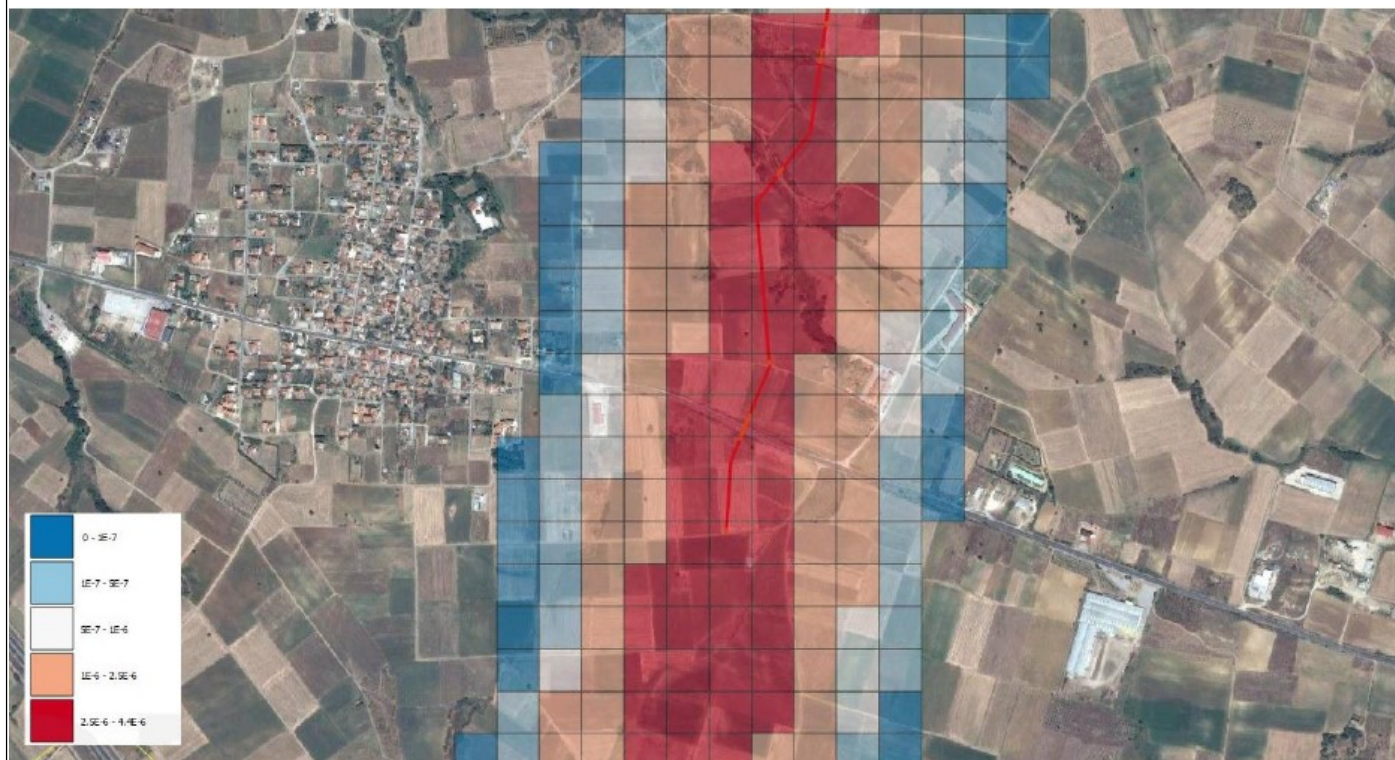
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***FEED Study & Environmental Impact Assessment for the Natural Gas pipeline
interconnection between Greece and Bulgaria (IGB)
Quantitative Risk Assessment for the Greek Part***



CONTRACTOR	ICGB AD /SYBILLA LTD.
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017
PROJECT TYPE	QUANTITATIVE RISK ASSESSMENT
LOCATION	GREECE/ATHENS– EASTERN MACEDONIA



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M/R Station construction for the interconnection between NGTS and TAP in Nea Mesimvria.
Environmental and Social Impact Assessment Study



CONTRACTOR	DESFA/SYBILLA LTD.
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017
PROJECT TYPE	ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT STUDY
LOCATION	GREECE/ATHENS– EASTERN MACEDONIA



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NEW SAFETY STUDY FOR THE ATHERINOLAKKOS POWER STATION IN CRETE.

α	Ημερομηνία	Τοποθεσία	Υλικό	Όνομα πλοίου	Ποσότητα
1	12/3/1979	Καλοί Λιμένες	Crude Oil	Μισσηνιακή Φροντίς	12000
2	23/2/1960	Κόλπος Ναβαρίνο	Kirkuk	Irenes Serenade	40000
3	26/7/1983	Παραιάς	Fuel Oil unspecified		66
4	4/5/1987	Ασπρόπυργος	unspecified	Rabigh Bay II	500
5	28/1/1988	Πέρασμα,Παραιάς	Unknown Oil		26
6	21/10/1988	Παραιάς	Unknown Oil	Σύγκρουση των Επιβατηγών "Jupiter" και "Adige"	491
7	22/11/1989	Ρόδος	Bunkers	THEOSKEPASTI	120
8	14/8/1990	Αγριά	Unspecified		1000
9	24/4/1992	Κερασίσι	Fuel Oil unspecified	MASON LYKES & KARTHEA	277
10	3/5/1992	Σκύρος	Unspecified	Georl Chemomarya	1500
11	9/10/1993	Slaktrita Island	Unspecified	Iljad	287
12	1/10/1994	Ασπρόπυργος	Unknown	La Guardia	400

CONTRACTOR	ΔΕΗ/SYBILLA LTD.
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017-2018
PROJECT TYPE	SAFETY REPORT ΦΕΚ 354/Β/17-2-2016 (2012/18/ΕΕ -SEVESO III)
LOCATION	ATHENS- CRETE



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NEW SAFETY STUDY FOR THE CHANIA POWER STATION IN CRETE.

ΠΛΗΘΥΣΜΟΣ	ΕΥΑΙΣΘΗΣΙΑ	ΕΠΙΠΤΩΣΕΙΣ ΒΡΑΧΥΠΡΟΘΕΣΜΕΣ	ΜΑΚΡΟΧΡΟΝΙΕΣ ΕΠΙΠΤΩΣΕΙΣ- ΑΠΟΚΑΤΑΣΤΑΣΗ
Φόκια	ΧΑΜΗΛΗ	Επίστρωση και κάψιμο των ισθών, αν οι άμεση επαφή με το πετρελαιοειδές προϊόν	Σε γενικές γραμμές καλή αποκατάσταση
Αλκυίδες ή κεφαλές ποταμών χλωρίδα	Μεταβλητή, ανάλογα με την κατάσταση της ανάπτυξης των αυτών και την περίοδο του έτους	Επίστρωση στα εκτεθειμένα μέρη προκαλεί επιπτώσεις ασφυξίας της δέσμης από εξοπλισμό αντιρρόπησης και του σχετικού προσωπικού που ασχολείται με την αποκατάσταση του χώρου.	Αποκατάσταση σχετικά γρήγορη (2 έως 3 χρόνια) νερό ανανεώνεται και τα θεσμικά συστήματα που παρέχονται. Αποκατάσταση πολύ αργή, αν δεν γίνει τίποτα για να διευκολύνει την
Μαλακία σε ζώνες παλέρκας	Σε γενικές γραμμές υψηλή	Ασφυξία και δηλητηρίαση	Συστάριση με το φίλτρου των ανανεώσεων. Ακόμη και ένα χαμηλό ποσοστό των υπολειμμάτων υδρογονάνθρακων στα ιζήματα καθιστά τη χρήση των υπολειμμάτων αδύνατη για επανόρθωση. Δυνατότητα καθαρισμού του νερού εξαρτάται από το χρόνο επαφής με τις απορριπτικές ουσίες. Μείωση της αναπαραγωγής
Πάνια πάνω σε βράχους	Σε γενικές γραμμές υψηλή	Ασφυξία και δηλητηρίαση.	Εξαρτάται από τη διάρκεια της επαφής με τις ρυπαρές ουσίες σε εκτεθειμένες περιοχές ευαίσθητες λιγότερο έντονη λόγω της πολύ ταχείας ανανέωσης του νερού και τον καθαρισμό
Ψάρια	Χαμηλή για ενήλικες Υψηλή για τις προνύμφες και νεανική μορφή	Ασφυξία που προκαλείται από επίστρωση με επαφή με τους υδρογονάνθρακες. Οι ανανεώσεις φιλάνουν ή νοήναρα από τις ρυπαρές ζώνες.	Πλήρης λόγω δραστηριότητας 'ακαθάρτου' των ψαριών ακόμα και ελάχιστα ρυπαρά ιζήματα (π.χ. πλατύφυρα)
Πουλιά	Μεταβλητή (υψηλή για τα είδη κατάδυσης)	Επίστρωση στο φίλτρου, δηλητηρίαση από κατάδυση, καταστροφή των φωλιών και των αυγών κατά την επαφή με πετρελαιοειδές ουσίες	Εκκένωση των ρυπαρών χώρων από πουλιά

CONTRACTOR	ΔΕΗ/SYBILLA LTD..
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017-2018
PROJECT TYPE	SAFETY REPORT ΦΕΚ 354/Β/17-2-2016 (2012/18/ΕΕ -SEVESO III)
LOCATION	ATHENS- CRETE



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NEW SAFETY STUDY FOR THE LINOPERAMATA POWER STATION IN CRETE..



CONTRACTOR	ΔΕΗ/SYBILLA LTD..
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017-2018
PROJECT TYPE	SAFETY REPORT ΦΕΚ 354/Β/17-2-2016 (2012/18/ΕΕ –SEVESO III)
LOCATION	ATHENS– CRETE



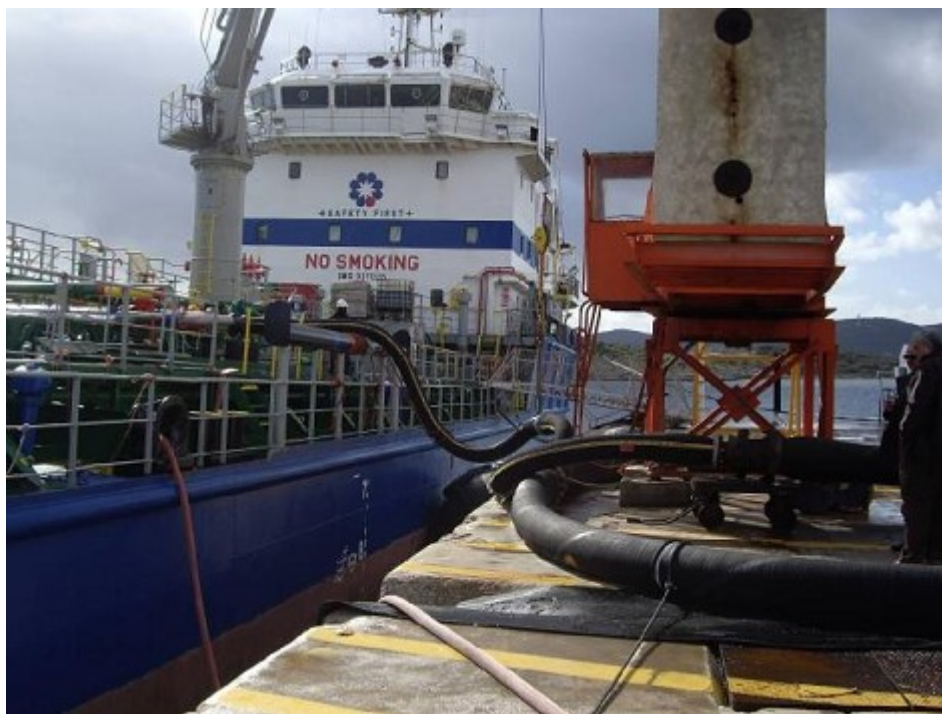
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NEW SAFETY STUDY FOR THE KERATEA-LAVRION POWER STATION IN ATTIKA.



CONTRACTOR	ΔΕΗ/SYBILLA LTD..
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017-2018
PROJECT TYPE	SAFETY REPORT ΦΕΚ 354/Β/17-2-2016 (2012/18/ΕΕ -SEVESO III)
LOCATION	ATHENS- LAVRION



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NEW SAFETY STUDY FOR THE SORONIS POWER STATION IN RHODES.



CONTRACTOR	ΔΕΗ/SYBILLA LTD..
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017-2018
PROJECT TYPE	SAFETY REPORT ΦΕΚ 354/Β/17-2-2016 (2012/18/ΕΕ -SEVESO III)
LOCATION	ATHENS– SORINIS RHODES



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NEW SAFETY STUDY FOR THE SOUTH RHODES.



CONTRACTOR	ΔΕΗ/SYBILLA LTD.
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017-2018
PROJECT TYPE	SAFETY REPORT ΦΕΚ 354/Β/17-2-2016 (2012/18/ΕΕ -SEVESO III)
LOCATION	ATHENS– RHODES



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NEW SAFETY STUDY FOR THE ALIVERI POWER STATION IN EVIA.



CONTRACTOR	ΔΕΗ/SYBILLA LTD.
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017-2018
PROJECT TYPE	SAFETY REPORT ΦΕΚ 354/Β/17-2-2016 (2012/18/ΕΕ -SEVESO III)
LOCATION	ATHENS– ALIVERI EVIA



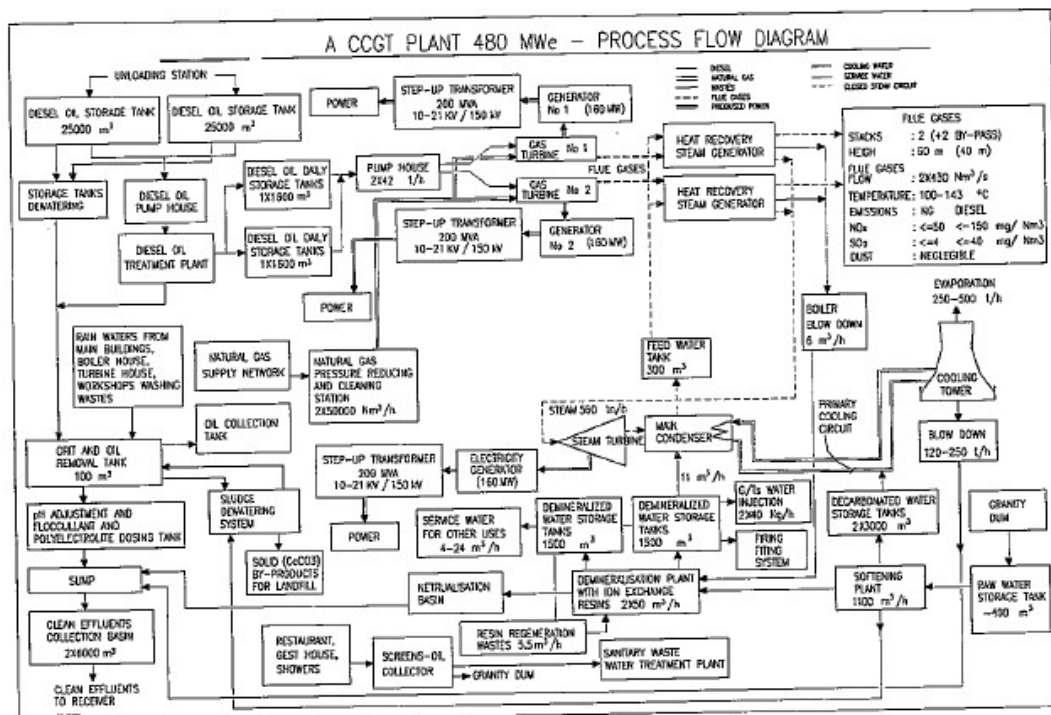
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NEW SAFETY STUDY FOR THE KOMOTINI POWER STATION



CONTRACTOR	ΔΕΗ/SYBILLA LTD..
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017-2018
PROJECT TYPE	SAFETY REPORT ΦΕΚ 354/Β/17-2-2016 (2012/18/ΕΕ -SEVESO III)
LOCATION	ATHENS- KOMOTINI



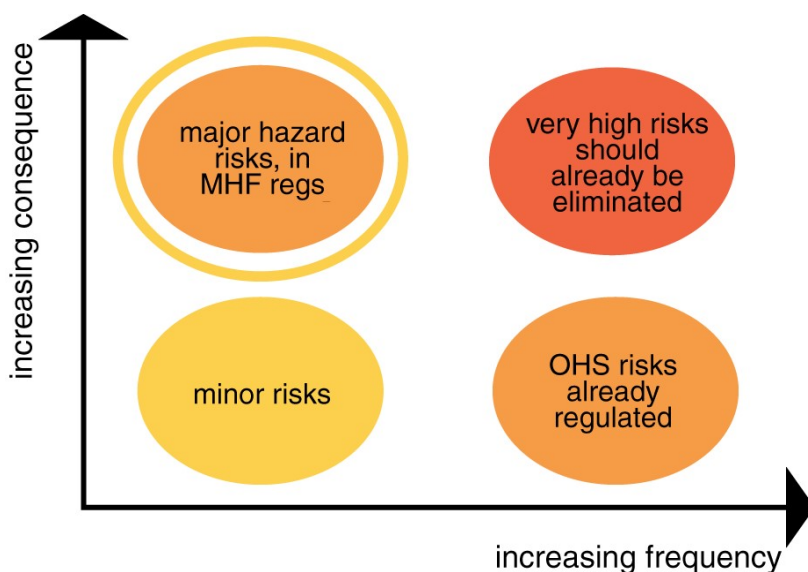
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**BASIC ENGINEERING DESIGN FOR THE INTERCONNECTION BETWEEN TAP AND NGTS
PIPELINES AT NEA MESSIMVRIA
HAZID REPORT**



the focus of the major hazard facilities regulations
is on the high consequence / low frequency incidents

CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017
PROJECT TYPE	HAZID REPORT
LOCATION	GREECE/ATHENS– CENTRAL MACEDONIA
SHORT DESCRIPTION	A HAZID study is a tool for hazard identification, used early in a project as soon as process flow diagrams, draft heat and mass balances, and plot layouts are available. Existing site infrastructure, weather, and geotechnical data are also required, these being a source of external hazards. The method is a design-enabling tool, acting to help organize the HSE deliverables in a project. The scope of this study includes the following: • The pipeline and all stations (line valve, pigging and metering) • HAZID covers normal operation mode as well as start-up, shutdown, and Simulations Operations (SIMOPS) • Identify credible hazards • Identify the consequences of the hazards • Identify existing safeguards in place (prevention & mitigation)



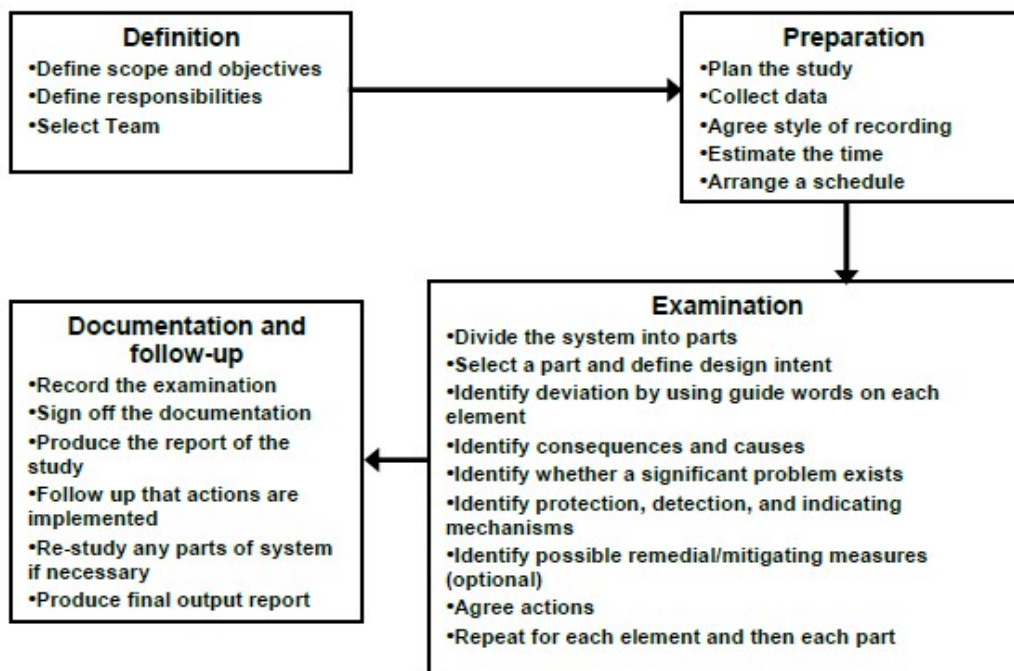
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BASIC ENGINEERING DESIGN FOR THE INTERCONNECTION BETWEEN TAP AND NGTS PIPELINES AT NEA MESSIMVRIA HAZOP REPORT



CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017
PROJECT TYPE	HAZOP REPORT
LOCATION	GREECE/ATHENS– CENTRAL MACEDONIA
SHORT DESCRIPTION	A Hazard and Operability Study (HAZOP) is a well-established and structured team-based method of identifying hazards at the point of process design completion, or when new modifications are being planned. The HAZard and OPERability study (HAZOP) objectives were as follows: • To systematically review the design and operation of the facilities in the scope of study; • To identify potential Hazards with the design or operability of the facilities; • To record existing design or operational safeguards and make recommendations for further design or operational actions that will eliminate or reduce the risk of the identified hazards. The facilities were broken down into relevant sections (nodes) to allow the team to consider only deviations from the proposed design intent for that section of the facilities.



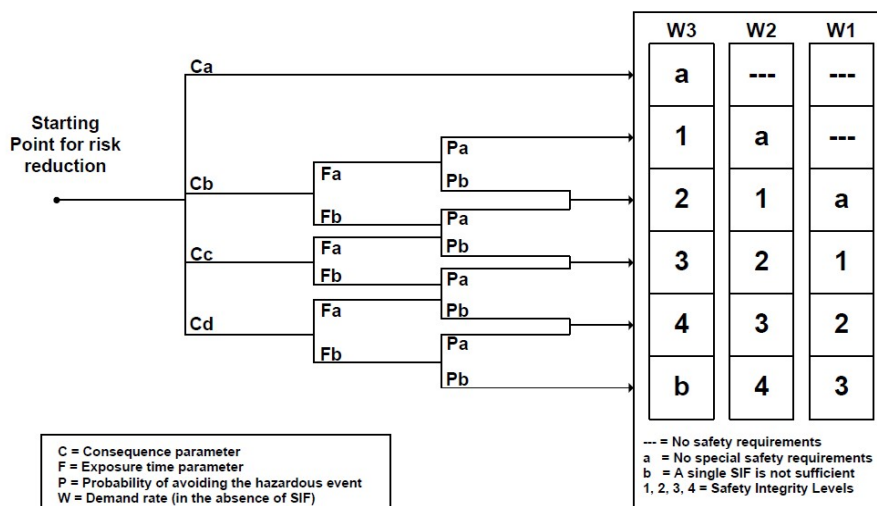
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VAT No. EL 095487874



BASIC ENGINEERING DESIGN FOR THE INTERCONNECTION BETWEEN TAP AND NGTS PIPELINES AT NEA MESSIMVRIA SIL Report



CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017
PROJECT TYPE	SIL Report
LOCATION	GREECE/ATHENS– CENTRAL MACEDONIA
SHORT DESCRIPTION	The primary objective of the SIL study will be to identify failures in Electrical/ Electronic /Programmable Electronic (E/E/PE) safety related control systems in each process which have the potential for harm to personnel (through illness and injury or loss of life) or to the environment (temporary or permanent) or economical. The safety and environmental harm will generally arise due to loss of containment from the process. It is implemented for each hazardous event throughout the SIL Assessment is as follows: - Identify and describe each hazardous event from the latest HAZOP report; - List the appropriate control and mitigation methods; - Identify an associated Safety Instrumented Function (SIF); - Deduce the integrity level target for Safety, Environmental and Financial Impact using the Risk Graph for the hazardous scenario. Participants at the SIL session should provide an input of Consequence Severity, exposure to personnel and the likelihood to advert the hazardous scenario being realized; - Determine the overall SIL requirement (i.e. the greater of the three integrity level numbers from Safety, Environmental and Financial Impact should be taken); - Repeat this procedure for the next hazardous scenario.



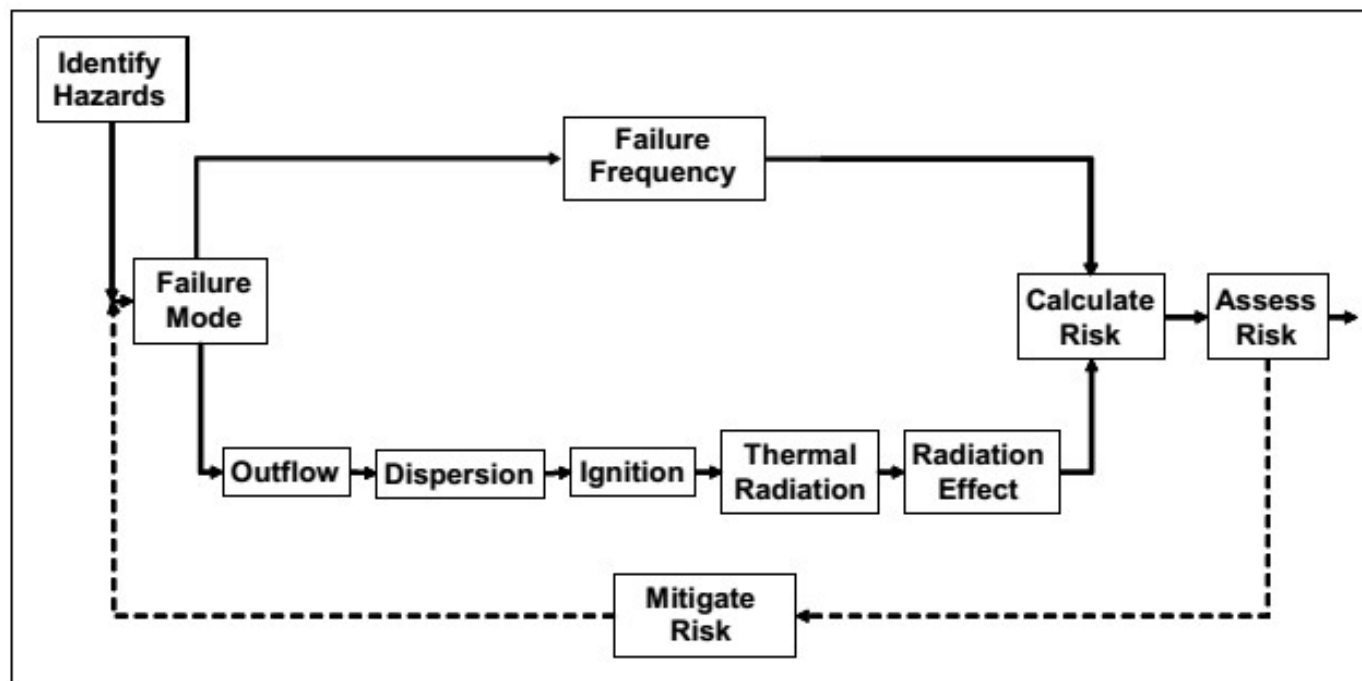
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**BASIC ENGINEERING DESIGN FOR THE INTERCONNECTION BETWEEN TAP AND NGTS
PIPELINES AT NEA MESSIMVRIA
QUANTITATIVE RISK ASSESSMENT**



CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2017-2018
PROJECT TYPE	QUANTITATIVE RISK ASSESSMENT REPORT
LOCATION	GREECE/ATHENS– CENTRAL MACEDONIA
SHORT DESCRIPTION	This report represents the methodology and results of the QRA, and concludes that individual risk levels on the pipeline at the assessed location are less than the Greek Technical Regulation limit of 1 x 10 ⁻⁶ per year.



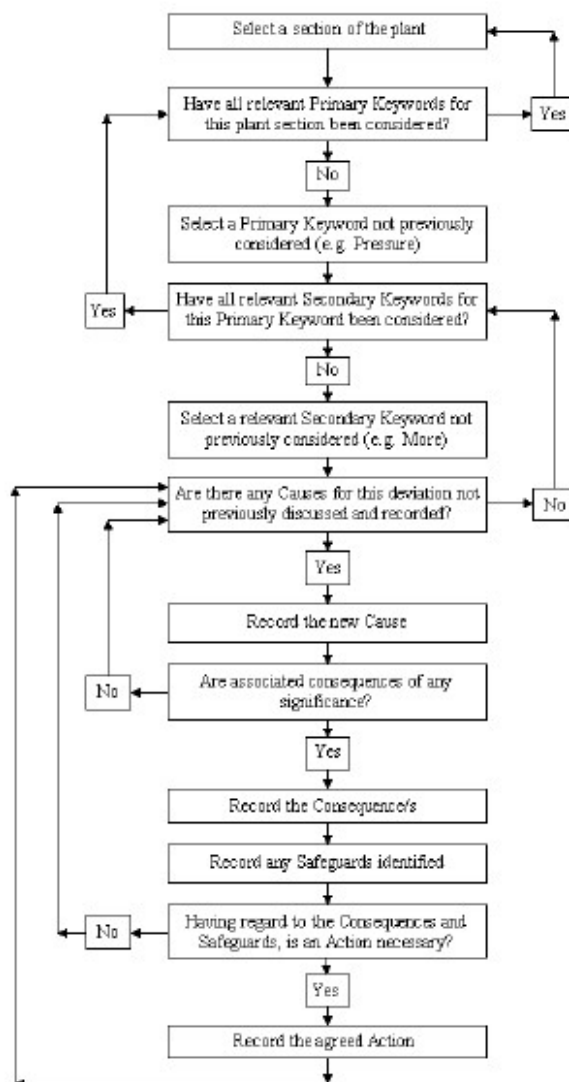
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Process HAZID, ENVID, HAZOP) FOR POWER STATION IN PROLEMAIDA.



CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2019
PROJECT TYPE	Process HAZID, ENVID, HAZOP
LOCATION	GREECE/ATHENS– CENTRAL MACEDONIA
SHORT DESCRIPTION	Enviro/Safety reports (Process HAZID, ENVID, HAZOP) for the Ptolemaida Pwer Station.



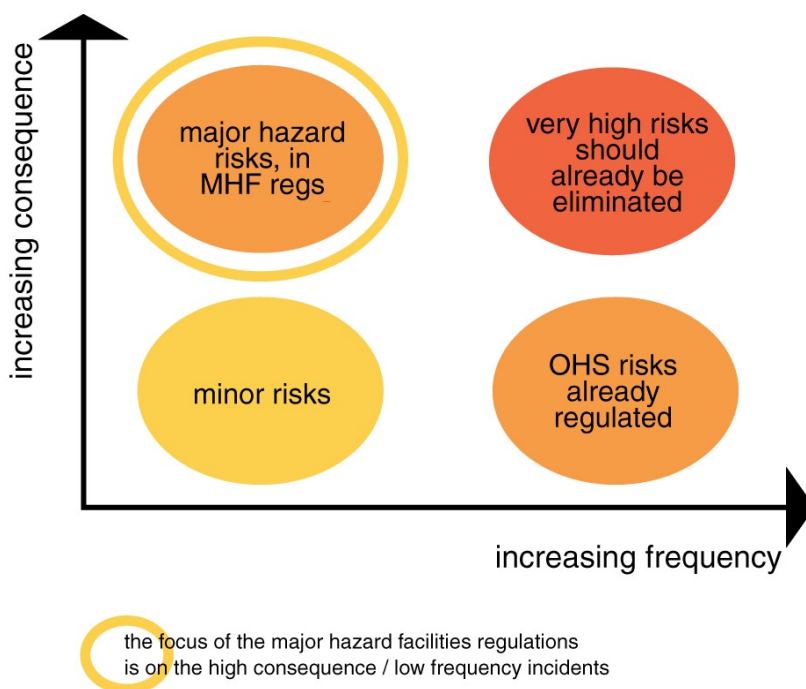
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HAZID REPORT for the Revythoussa LNG Station.



CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2019
PROJECT TYPE	HAZID REPORT
LOCATION	ATHENS
SHORT DESCRIPTION	A HAZID study is a tool for hazard identification, used early in a project as soon as process flow diagrams, draft heat and mass balances, and plot layouts are available. Existing site infrastructure, weather, and geotechnical data are also required, these being a source of external hazards. The method is a design-enabling tool, acting to help organize the HSE deliverables in a project. The scope of this study includes the following: • The pipeline and all stations (line valve, pigging and metering) • HAZID covers normal operation mode as well as start-up, shutdown, and Simulations Operations (SIMOPS) • Identify credible hazards • Identify the consequences of the hazards • Identify existing safeguards in place (prevention & mitigation)



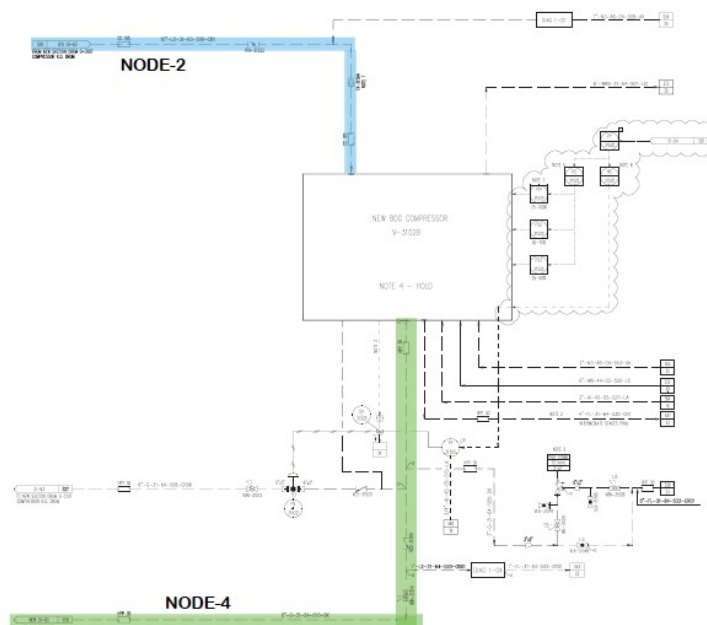
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HAZOP Report for the Revythoussa LNG Station.



CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2019
PROJECT TYPE	HAZOP REPORT
LOCATION	ATHENS
SHORT DESCRIPTION	A Hazard and Operability Study (HAZOP) is a well-established and structured team-based method of identifying hazards at the point of process design completion, or when new modifications are being planned. The HAZard and OPERability study (HAZOP) objectives were as follows: • To systematically review the design and operation of the facilities in the scope of study; • To identify potential Hazards with the design or operability of the facilities; • To record existing design or operational safeguards and make recommendations for further design or operational actions that will eliminate or reduce the risk of the identified hazards. The facilities were broken down into relevant sections (nodes) to allow the team to consider only deviations from the proposed design intent for that section of the facilities.



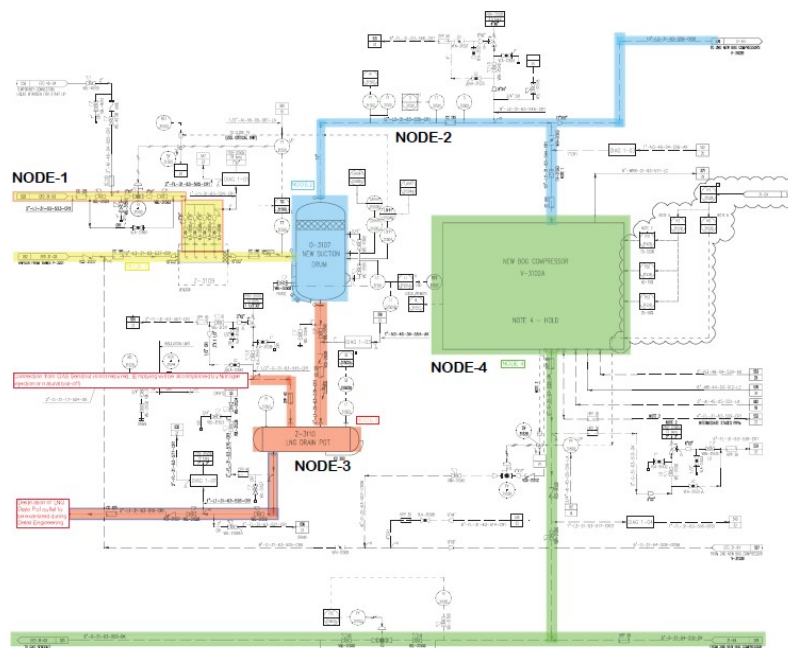
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SIL Report for the Revythoussa LNG Station.



CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2019
PROJECT TYPE	SIL Report
LOCATION	ATHENS
SHORT DESCRIPTION	The objective of the SIL study is to identify failures in Electrical/ Electronic /Programmable Electronic (E/E/PE) safety related control systems in each process which have the potential for harm to personnel (through illness and injury or loss of life) or to the environment (temporary or permanent) or economical. The harm will generally arise due to loss of containment from the process. It is implemented for each hazardous event throughout the SIL Assessment is as follows: Identify and describe each hazardous event from the latest HAZOP report; List the appropriate control and mitigation methods; Identify an associated Safety Instrumented Function (SIF); and Deduce the integrity level target for Safety, Environmental and Financial Impact using the Risk Graph for the hazardous scenario. Participants at the SIL session should provide an input of Consequence Severity, exposure to personnel and the likelihood to advert the hazardous scenario being realized; Determine the overall SIL requirement (i.e. the greater of the three integrity level numbers from Safety, Environmental and Financial Impact should be taken); and Repeat this procedure for the next hazardous scenario.



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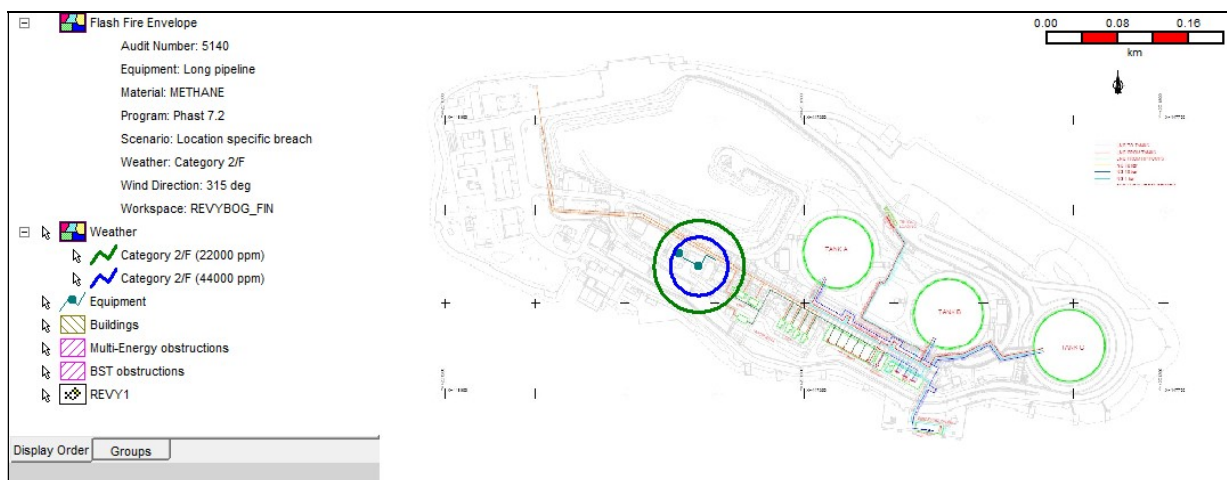
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Safety Report SEVESO III for the Revythoussa LNG Station.

Στιγμιαία Ανάφλεξη (Flashfire) – Πλήρης Διάρρηξη γραμμής Sendout 6” 2F (Flashfire envelope ανεξαρτήτως διεύθυνσης ανέμου)



CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2019
PROJECT TYPE	SEVESO III REPORT
LOCATION	ATHENS



SYBILLA Ltd.
Managing Environment, Safety & Risk

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CERTIFIED M.S.
ISO 9001:2015
ISO 14001:2015

sQRA Report
ENGINEERING, PROCUREMENT AND CONSTRUCTION OF A NEW OIL PRODUCTS STORAGE PLANT (OPSP) AT VASSILIKO, CYPRUS

ΣΔΕΠ Βασιλικού - Μήτρα Εκτίμησης Διακινδύνευσης. ΥΓΕΙΑ-ΑΣΦΑΛΕΙΑ

ΕΠΙΠΕΔΟ	VERY HIGH	5	101-LE, 102-LE, 103-LE, 104-LE, PLLE-I,	101-LLE, 102-LLE, 103-LLE, 104-LLE, 101-LLE-S, 102-LLE-S, 103-LLE-S, 104-LLE-S, PLE-I, SLE-I, SLLE-I			
	HIGH	4		101-FF, 102-FF, 103-FF, 104-FF, PLFF-I,	SFF-I, SLFF-I, BFF-I, BLE-I, SFF-I, SLFF-I, PFF-I		
	MEDIUM	3		VRU-BL			
	LOW	2	105-BF, 106-BF, 107-BF, 108-BF, 109-BF, MU-BF-I, MU-CF-I, CVPF-I,	101-BF, 102-BF, 103-BF, 104-BF,	101-LFF, 102-LFF, 103-LFF, 104-LFF, 101-LFF-S, 102-LFF-S, 103-LFF-S, 104-LFF-S, SCPP-I,		
	VERY LOW	1	105-TRF, 106-TRF, 107-TRF, 108-TRF, 109-TRF, MU-BF-II, MU-CF-II, UVPF-I, UVPF-II, CVPF-II, BUCPF-II,	101-TRF, 102-TRF, 103-TRF, 104-TRF, 105-CF, 106-CF, 107-CF, 108-CF, 109-CF, PLCPF-I,	101-CF, 102-CF, 103-CF, 104-CF, 105-CF-S, 106-CF-S, 107-CF-S, 108-CF-S, 109-CF-S, SLUPF-II, SLUPF-I, SUPF-I, SUPF-II, SCPP-II, SLCPP-II, SLUPF-II, PCPP-I, PCPP-II, PUPF-I, PUPF-II, PLUPF-I, SLCPP-I, PSCPP-II,	101-CF-S, 102-CF-S, 103-CF-S, 104-CF-S,	
			VERY LOW 10 ⁻⁸10 ⁻⁷	LOW 10 ⁻⁷10 ⁻⁶	MEDIUM 10 ⁻⁶10 ⁻⁵	HIGH 10 ⁻⁵10 ⁻⁴	VERY HIGH 10 ⁻⁴10 ⁻³
			1	2	3	4	5
ΠΙΘΑΝΟΤΗΤΑ ΑΣΤΟΧΙΑΣ ΑΝΑ ΕΤΟΣ							

CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2019
PROJECT TYPE	sQUANTITATIVE RISK ASSESSMENT REPORT
LOCATION	ATHENS- CYPRUS
SHORT DESCRIPTION	This report represents the methodology and results of the sQRA, and concludes that risk levels of the installation are assessed and according to the risk matrix risk criteria are within acceptable limits.



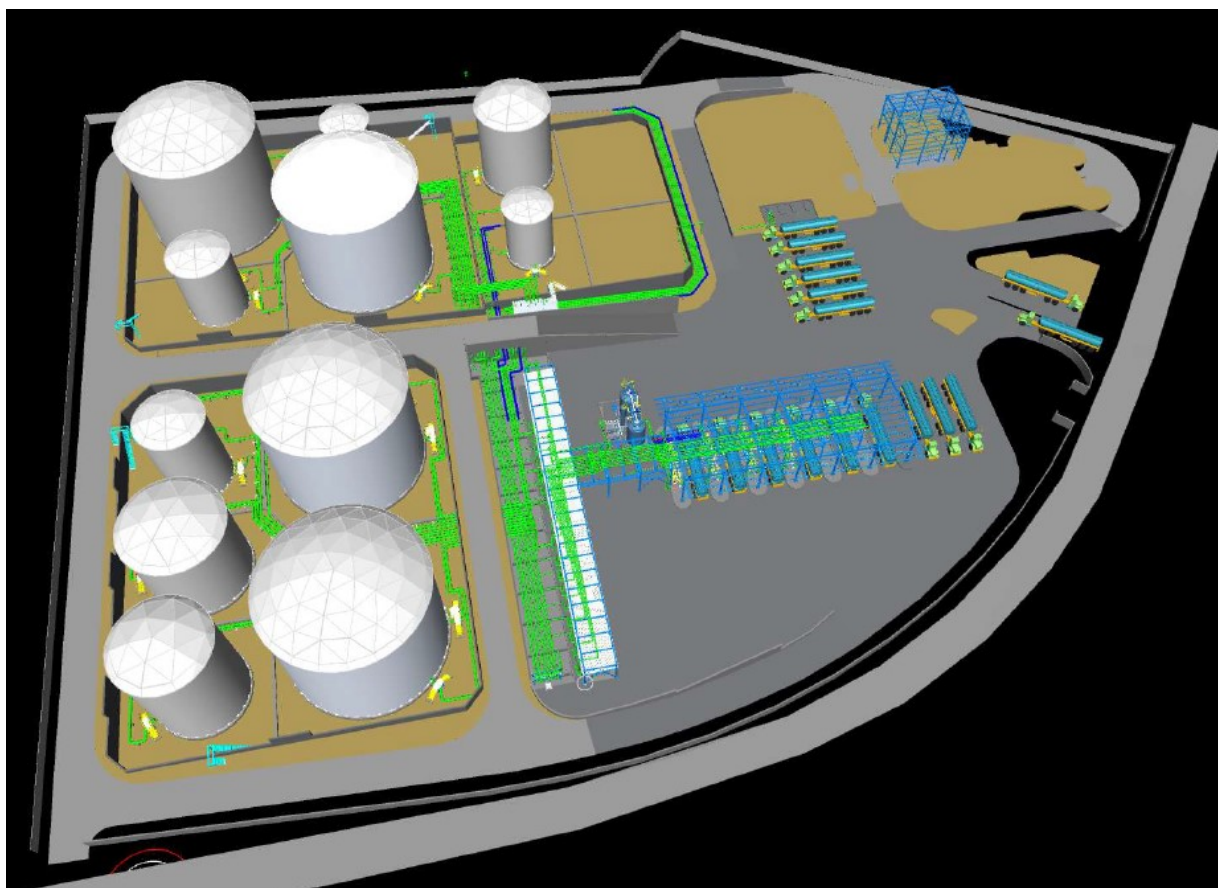
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TÜV
AUSTRIA
CERTIFIED M.S.
ISO 9001:2015
ISO 14001:2015

Safety Report - Seveso III
ENGINEERING, PROCUREMENT AND CONSTRUCTION OF A NEW OIL PRODUCTS
STORAGE PLANT (OPSP) AT VASSILIKO, CYPRUS



CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2019
PROJECT TYPE	SAFETY REPORT-SEVESO III
LOCATION	ATHENS- CYPRUS



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Managing Environment, Safety & Risk

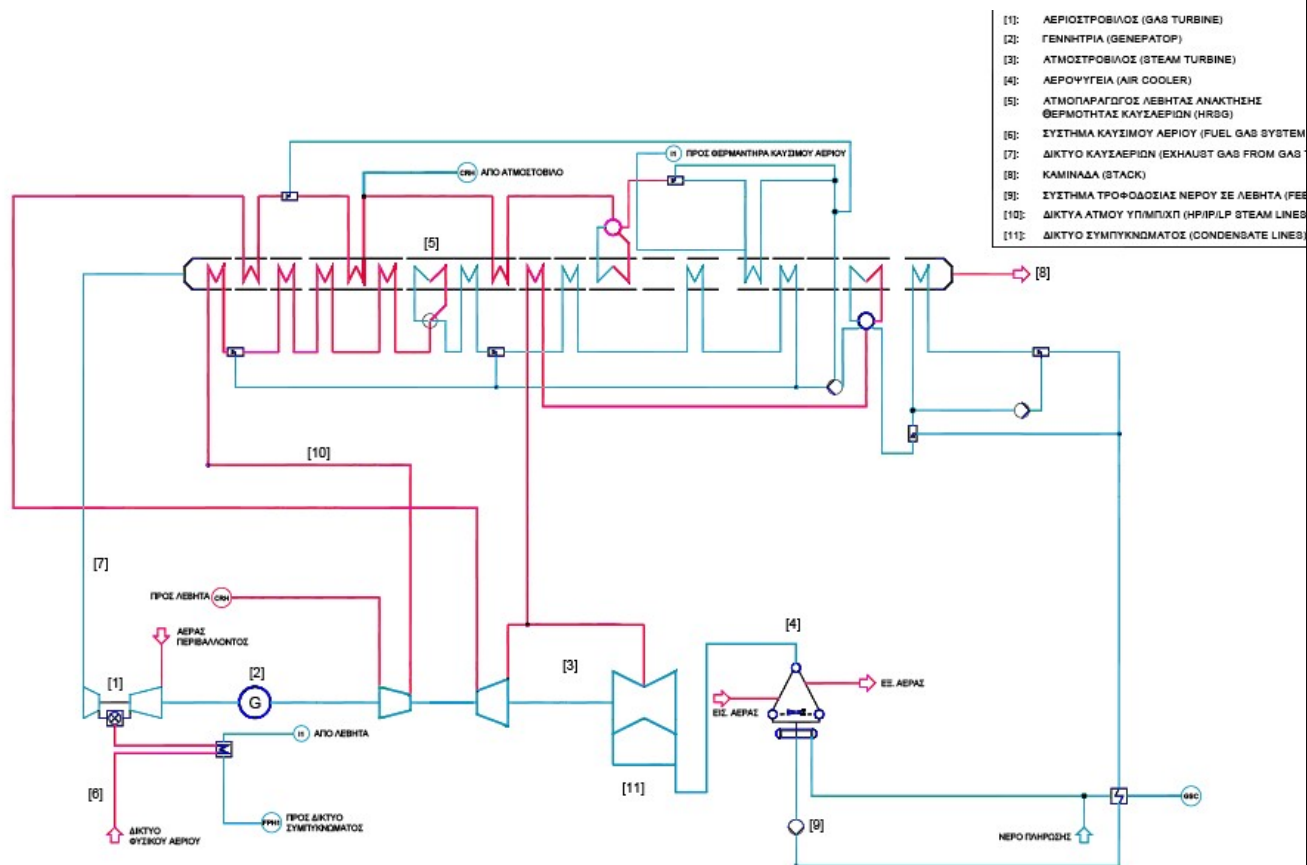
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CERTIFIED M.S.
ISO 9001:2015
ISO 14001:2015

Environmental Impact Assessment Report for the TEPNA A.E 665 MW POWER STATION IN KOMOTINI



CONTRACTOR	TEPNA A.E/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2019
PROJECT TYPE	ENVIRONMENTAL IMPACT ASSESSMENT REPORT
LOCATION	ATHENS- KOMOTINI



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Managing Environment, Safety & Risk

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***Environmental Impact Assessment Report (Update)
for the Revythoussa LNG Station.***



ΥΘΟΥΣΑ

CONTRACTOR	C&M/SYBILLA LTD
CONTRACT AMOUNT	CONFIDENTIAL
YEAR	2019
PROJECT TYPE	ENVIRONMENTAL IMPACT ASSESSMENT REPORT (UPDATE)
LOCATION	ATHENS
SHORT DESCRIPTION	Μελέτη Περιβαλλοντικών Επιπτώσεων (Τροποποίηση ΑΕΠΟ) Έργων κατασκευής και λειτουργίας Μ/Κ Σταθμού για τη εγκατάσταση Σταθμού Συμπίεσης Απαερίων στον Τερματικό Σταθμό Υγροποιημένου Φυσικού Αερίου στη Ρεβυθούσα Αττικής με βάση την κείμενη νομοθεσία.