



FLORA
LEAF
NATURE
WORLD
GLOBAL
RECYCLE
NATURAL
TERRA
PLANET
TREE
ECO
EARTH
PLANT
GROWTH
PROTECT
EARTH
HEALTHY
ECO
TREE
PLANET
GLOBAL
RECYCLE
PLANT
TREE
HEALTHY
EARTH
TREE
ECOLOGY
RECYCLE
NOVA
ORGANIC
NOVA
TERRA
MANAGEMENT
NATURAL



TERRA NOVA Ltd

Environmental Engineering Consultancy

Experience

TUV
AUSTRIA
HELLAS
EN ISO 9001:2008
No. : 01013238

TUV
AUSTRIA
HELLAS
EN ISO 14001:2004
No. : 04014013





Environmental Impact Assessments

	Client	Client's Activity	Date
Industries 46	Plastika Ellados S.A.	paper production industry	2013 - 2014
	Lafarge – Heracles S.A.	cement industry (plant in Evia)	2012
	Interia S.A.	food industry	2008 – 2012
	Pummaro – Unilever S.A.	food industry	2006 - 2012
	Unilever S.A.	chemical industry	2006 – 2012
	Elinoil S.A.	liquid fuels merchantry (storage plants in Aspropyrgos, Agria, Porto Lagos)	2004 - 2012
	Veka S.A.	paper production industry	2011 - 2012
	Etade S.A.	metal products manufacturing	2011
	Etva Vipe S.A	industrial areas (Ioannina, Edessa, Volos, Larissa)	2006 – 2011
	Tegopoulos X.K. Publishing S.A.	printing industry	2007 – 2011
	Niki Publishing S.A.	printing industry	2006 – 2011
	Ion S.A.	food industry	2008, 2010
	Colgate - Palmolive Hellas S.A.	chemical industry	2010
	Xanthi Konakli & Associates	marble quarry in Imathia	2010
	Mabel S.A.	food industry	2010
	Athens Papermill S.A. - Softex	paper pulp & paper products industry (plants in Votanikos, Aspropyrgos)	2010
	Elinoil S.A.	pet coke industry (plants in Aspropyrgos, Volos)	2009 – 2010
	Elais – Unilever S.A.	food industry	2006 - 2010
	Wilckens S.A. (ex Lustralack S.A.)	chemical industry	2009
	Toyota Logistics S.A.	vehicles spare parts retailer	2009
	Coral Gas S.A. (former Shell Gas S.A.)	gas fuels storage (plants in Thessaloniki, Aspropyrgos)	2009
	Knorr S.A.	food industry	2007 – 2009
	Titan S.A.	cement industry (plants in Attiki, Patra, Thessaloniki)	2007 – 2008
	Perseus S.A.	fish flour industry	2007
	Tsaousis S.A.	poultry farm	2007
	Plural S.A.	production of telecommunication base stations	2006
	Delta Project S.A.	iron and steelworks industry	2005 – 2010
	Eleusina Shipyards S.A.	shipyard	2005
	Hellenic Defense Systems S.A.	ammunition and explosives industry (EBO and PYRKAL plants)	2005
	Grecolack S.A.	paints production industry	2005
	Ina Plastics S.A.	plastics production industry	2005
	Amfiklia's Municipal abattoir	slaughter house	2005
	N. Bellas & D. Tsiouris	dental technician laboratories	2002
	Tourism 12	Moody Bay	hotel in Aegina island
Hotel Y		hotel in Kifisia	2009
Ionikos Rythmos		commercial center in Athens	2008
Mediterranean Enterprises S.A.		hotel in Corfu island	2008
Daphne		hotel in Samos island	2007
Sakelaropoulos		hotel in Kalavrita	2007
Atrium		hotel in Skiathos island	2007
Neofotistos		holiday camp in Anavisos	2005 – 2010



RES projects
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Kassandra Bay	hotel in Skiathos island	2004 – 2010
Siraino Mathinou	hotel in Skiathos island	2004
Hellenic Olympic Committee Hotel	accommodation premises for Athens 2004 Olympics	2003
Dallas	hotel in Athens	2003
Mesopotamia Energiaki S.A.	biomass plant (3 MW) in Larisa	2012
Terna Energy S.A./ Alistrati Energiaki S.A.	biomass plant (999 KW) in Serres	2012
Terna Energy S.A./ Delta Aksiou Energiaki S.A.	biomass plant (1 MW) in Thessaloniki	2012
Ita Anemos Kotroni S.A./ Eolfi Wind Hellas S.A./ Veolia Environnement	wind park (10 MW) in Thessaly	2011 – 2012
Thita Anemos Mesovouni S.A./ Eolfi Wind Hellas S.A./ Veolia Environnement	wind park (12 MW) in Thessaly	2011 – 2012
Wind Parks of Thrace S.A./ Enel Green Power Hellas S.A.	photovoltaic park (20.34 MW) in Macedonia	2011 – 2012
Litheos Energiaki S.A.	biomass plant (3 MW) in Trikala	2011
Fthia Energiaki S.A.	biomass plant (3 MW) in Larisa	2011
Panta Rei Kourlesi	small hydro power plant (0.7 MW) in Achaia	2009 – 2011
Erymanthos Electric Production Energiaki Tomi S.A.	wind park (850 KW) in Peloponnisos 2 small hydro power plants (3.39 MW, 1.83 MW) in Fokida and Aitoloakarnania	2008 2007 – 2010
Electric Energy S.A.	photovoltaic park (1 MW) in Crete	2007
Roumani Wind Park S.A.	photovoltaic park (8 MW) in Crete	2007
Various clients	19 photovoltaic parks of less of 150 KW in several areas of Greece	2007
Energiaki Drasi S.A.	environmental evaluation of 7 alternative wind park sites	2007
Energiaki Drasi S.A.	5 small hydro power plants (1.49 MW, 1.175 MW, 0.99 MW, 0.88 MW, 0.79 MW) in Karditsa	2006 – 2012
Sentry Technology S.A.	small hydro power plant (1.075 MW) in Karditsa	2006 – 2012
Hydrodynamiki Ioanninon S.A.	3 small hydro power plants (4.35 MW, 2.93 MW, 2.02 MW) in Fokida and Kastoria	2006 – 2007
Phevos Energy S.A.	2 small hydro power plants (2 MW, 0.8 MW) in Evritania and Fthiotida	2006 – 2007
Argo Ltd.	small hydro power plant (2.45 MW) in Karditsa	2006 – 2007
Etade S.A.	small hydro power plant (0.84 MW) in Aitoloakarnania	2006
Aggitis S.A.	small hydro power plant (0.78 MW) in Drama	2005 – 2006
Hydria Energy S.A.	5 small hydro power plants (7 MW, 2.87 MW, 2.13 MW, 1.73 MW, 0.99 MW) in Agrafa, Evritania	2005
N. Mpournazis	small hydro power plant (0.24 MW) in Kilkis	2002 – 2009



Waste management facilities 15	Ecomel Recycling Industry S.A.	sorting and recycling of packaging waste (1 plant in Attiki and 1 plant in Crete)	2009 - 2012
	General Recycling S.A.	sorting and recycling of municipal waste/ packaging waste, glass recycling, paper recycling, RDF production (2 plants in Attiki)	2005 -2012
	Ecorap S.A.	sorting and recycling of packaging waste (1 plant in Korinthos)	2009 -2010
	University of Athens	hazardous laboratory waste treatment unit in the Zografou Campus	2008 – 2010
	K. Mortos – A. Antoniou	storage of waste edible oils (1 plant in Attiki)	2007 – 2010
	F. Siorikis	dismantling of end of life vehicles (1 plant in Aitoloakarnania)	2006
	Creta Eco Phoenix S.A.	recycling of packaging waste, waste electric and electronic equipment, lamps/ dismantling of end of life vehicles (5 plants in Crete)	2005 – 2010
	I. Vidalis S.A.	recycling of lead-acid batteries & accumulators (1 plant in Crete)	2005
	Mandanis S.A.	dismantling of end of life vehicles (1 plant in Attiki)	2005
	Marathos S.A.	recycling of waste car tires (1 plant in Evia)	2004 – 2010
	Elin Biofuels S.A.	production of biodiesel from waste edible oils (1 plant in Volos)	2004 – 2007
Health care units 8	Ygeias Melathron	hospital for the employees of the National Bank of Greece - Athens	2012
	Aghia Sophia	children's hospital - Athens	2012
	Hippocratio	general hospital – Athens	2012
	Hygeia	general hospital – Athens	2010
	Agios Savvas	general cancer hospital - Athens	2008
	Agios Andreas	general hospital – Patra	2008 – 2010
	Rehabilitation center of University Hospital of Patra	rehabilitation center of spinal cord injuries – Rio Patra	2007
	University Hospital of Patra	general hospital – Rio Patra	2006 – 2007
Telecommunication projects 1,956	Wind Hellas S.A.	GSM Base Stations & Hub Stations (229 sites in Greece)	2007 – 2012
	Hellenic Telecommunications Organisation S.A.	Fixed Telephony Microwave Stations (82 sites in Greece)	2007 – 2011
	Tim Hellas S.A.	GSM Base Stations (81 sites in Greece)	2005
	Cosmote S.A.	GSM Base Stations (235 sites in Greece)	2003 – 2012
	Vodafone-Panafone S.A.	GSM Base Stations & Hub Stations (1,329 sites in Greece)	2002 – 2012
Infrastructure projects 6	Synarmosis S.A.	7 tertiary roads in Trifillia, Messinia	2012
	Dragados S.A.	Cut & Cover in the Makrichori – Kalampaka section of the Central	2011



	Greece's Motorway	
Dragados S.A.	Cut & Cover in the Kalampaka – Egnatia section of the Central Greece's Motorway	2011
Dragados S.A.	Temporary disposal area of excavation materials at the 2 nd section of the "Ionia" Motorway	2011
Dragados S.A.	Motorway Rest Area of Kalampaka	2011
Dragados S.A.	Construction site in the Kouvaras – Kompoti section of the "Ionia" Motorway	2010

Moreover, TERRA NOVA's shareholders, Ioannis Spanos and Argyro Lagoudi, have conducted the Environmental Impact Assessment studies for the following infrastructure projects:

Project	Funding Authority	Date
Central Plant for the treatment of Solid Waste and Wastewater of the Tannery Park in Viotia Prefecture	Hellenic Ministry of Development	1998
Evaluation of the Environmental Impact Assessment studies of the three major coal mines in Ptolemaida, Amyntaio and Megalopoli, determination of the necessary research priorities and conduction of the relative Technical Specifications	Hellenic Public Power Corporation S.A.	1997 - 1998
Central Industrial Wastewater Treatment Plant in the Asopos river industrial area	Hellenic Ministry for the Environment, Physical Planning and Public Works	1996 - 1998



Environmental Audits

	Client	Audited subject	Date
Environmental Risk Assessment Audits 30	AIG Europe Ltd	<i>Bauxite mining and aluminium production plant in Agios Nikolaos, Viotia (Audit at the Hazardous Waste Disposal Site of the plant)</i>	3 rd Re-Audit 2014
	AIG Europe Ltd	<i>Facility for the temporary storage of hazardous waste in Aspropyrgos, Attiki</i>	Audit 2014
	AIG Europe Ltd	<i>Electricity production facility from natural gas in Korinthos</i>	Audit 2014
	AIG Europe Ltd	<i>Cottonseed oil production plant in Vasilika, Viotia</i>	Audit 2014
	AIG Europe Ltd	<i>Liquid fuel storage facility in Samothraki</i>	Audit 2013 1 st Re-Audit 2014
	AIG Europe Ltd	<i>Personal hygiene products plant in Acharnes, Attiki</i>	Audit 2013
	Europa Profil Aluminium S.A.	<i>Aluminium profiles production plant in Oinofyta, Viotia</i>	Audit 2012
	Chartis Hellas S.A. – National Union Fire Insurance Co. of Pittsburgh	<i>End-of-life vehicles dismantling and recycling plant in Oinofyta, Viotia</i>	Audit 2011
	Chartis Europe Limited		1 st Re-Audit 2012
	Chartis Hellas S.A. – National Union Fire Insurance Co. of Pittsburgh	<i>2 chemicals production plants in Avlida's Vathi</i>	Audit 2011
	Chartis Hellas S.A. – National Union Fire Insurance Co. of Pittsburgh	<i>Liquid fuels storage plant in Astakos, Aitolokarnania</i>	Audit 2011
	Elinoil S.A.	<i>Liquid fuels storage plant in Agria, Volos</i>	Audit 2009
		<i>Liquid fuels storage plant in Aspropyrgos, Attiki</i>	Audit 2009
		<i>Liquid fuels storage plant in Porto Lagos, Xanthi</i>	Audit 2009 1 st Re-Audit 2012
	Chartis Hellas S.A. – National Union Fire Insurance Co. of Pittsburgh	<i>Bauxite mining and aluminium production plant in Agios Nikolaos, Viotia (Audit at the Hazardous Waste Disposal Site of the plant)</i>	Audit 2009
			1 st Re-Audit 2011
			2 nd Re-Audit 2012
	Elinoil S.A.	<i>Pet coke production plant in Aspropyrgos, Attiki</i>	Audit 2009
	ICR-Ioannou S.A.	<i>Rotogravure cylinders and flexographic plates manufacturing plant in Oinofyta, Viotia</i>	Audit 2009
	Karavias & Associates (Lloyd's Coverholder)	<i>Waste fridge devices recycling plant in Agioi Theodoroi, Korinthos</i>	Audit 2009
Karavias & Associates (Lloyd's Coverholder)	<i>WEEE recycling plant in Agioi Theodoroi, Korinthos</i>	Audit 2009	
DOW Hellas S.A.	<i>Chemicals production plant in Lavrio, Attiki</i>	Audit 2009	
Chromatourgia of Tripoli S.A.	<i>Paints production plant in Kastro, Viotia</i>	Audit 2009	
Aluminco S.A.	<i>Aluminium extrusion plant in Oinofyta,</i>	Audit 2008	



	Chartis Hellas S.A. – National Union Fire Insurance Co. of Pittsburgh	<i>Viotia</i>	1 st Re-Audit 2010
	K & N Eythimiadis S.A.	<i>Agrochemicals production plant in Sindos</i>	Audit 2008
	AIG Hellas S.A.	<i>Aluminium extrusion plant in Thiva</i>	Audit 2008
Environmental Due Diligence Surveys 3	BNP Paribas	Former packaging materials production plant of ANKER S.A. in Feres, Evros	2014
	Cadbury S.A. – Priority S.A.	Field intended for industrial use in Avlonas Attiki	2008
	Sanofi Aventis S.A.	Former pharmaceuticals production plant in Paiania Attiki	2006
Environmental Monitoring Audits 1	Aktor S.A. – Intrakat S.A.	“Korinthos – Tripoli – Kalamata, Lefktro – Sparti branch” National Motorway (MOREAS)	2010 - 2014
Environmental Emergencies Audits 1	Prefecture of East Attica	Real-time audit and evaluation of the environmental impacts of the large scale accident at the premises of CHYMA S.A. (chemicals plant) in Lavrio, Attiki	2006

TERRA NOVA's personnel in the period 2009 – 2014 have conducted the following **2nd party Audits**:

	Client	Audited subject
Environmental Compliance Audits 42	TUV Austria Hellas Ltd. - Appliances Recycling S.A. ¹	EKAN S.A. <i>plant in Korinthos' Agioi Theodoroi</i>
		Hellenic Fridge Recycling S.A. <i>plant in Korinthos' Agioi Theodoroi</i>
		Konstantinidis Bros S.A. <i>plants in Thessaloniki and Kilkis</i>
		Aegean Recycling S.A. <i>plant in Lesvos</i>
		Hellenic Environmental Recycling S.A. <i>plant in Larisa</i>
		Aeiforos S.A. <i>plant in Sindos Thessaloniki</i>
		Bianatt S.A. <i>plant in Aspropyrgos</i>
	Ecoelastika S.A.	7 waste car tires recycling facilities in Greece

¹ The official collective system for the Alternative Management of Waste Electric and Electronic Equipment in Greece



Waste Management

Client	Client's Activity	Type of waste/ management	Date
General Recycling S.A.	Paper recycling plants in Aspropyrgos and Syros	storm water/ treatment	2011 - 2012
Elinoil S.A.	Liquid fuels storage plants in Aspropyrgos, Agria, Porto Lagos	hazardous tanks dewatering wastewater & storm water / treatment	2004 - 2012
Creta Eco-Phoenix S.A.	Solid waste recycling plants in Alikarnassos and Tylisos, Crete	process wastewater/ treatment	2010
Unilever-Knorr S.A.	Food production plant in Attiki	process wastewater/ treatment optimisation	2010
K. Mortos – A. Antoniou	Storage facility of waste edible oils in Attiki	waste edible oils/ treatment & temporary storage	2007
University of Athens	University Campus in Zografou, Athens	hazardous laboratory chemical waste / treatment	2006
F. Siorikis S.A.	Car dismantling center in Aitoloakarnania	hazardous washing water & storm water / treatment	2006
A. Dailianis S.A.	Agricultural products processing and formulation facility in Peloponnesos	fruits processing wastewater/ treatment	2005
D. Kalogiros S.A.	Poultry breeding unit in Attiki	breeding solid waste & wastewater/ treatment	2005
Elin Biofuels S.A.	Production of biodiesel from waste edible oils, facility in Volos	process wastewater/ treatment	2004
I. Vidalis S.A.	Lead-acid accumulators recycling unit in Crete	hazardous electrolyte wastewater / treatment towards commercial utilisation	2003 - 2005
ICR-Ioannou S.A.	Rotogravure cylinders and flexographic plates manufacturing plant in Oinofyta	hazardous electroplating wastewater (copper & chromium)/ treatment towards recycling	2003
Mesogeios Ltd.	Fish processing facility in Athens	process wastewater/ treatment	2002 - 2003
Elounda S.A.	5* hotels in Crete	green waste & biodegradable kitchen waste/ treatment via composting	2002

Moreover, TERRA NOVA up to day has conducted more than 100 waste management studies for the environmental licensing of companies dealing with the collection, transportation, temporary storage, treatment and recycling of hazardous and non hazardous solid waste (Waste Electric and Electronic Equipment, End of Life Vehicles, Batteries, Lead - Acid Accumulators, Waste Lubricant Oils, Printer Cartridges, Waste Car Tires, Waste Packaging Materials, Scrap Metals, Construction Waste etc).



Finally, TERRA NOVA's shareholders, Ioannis Spanos and Argyro Lagoudi, have participated as project managers in the implementation of the following projects:

Project	Funding Authority	Date
Design of a Central Plant for the treatment of Solid Waste and Wastewater of the Tannery Park in Viotia Prefecture	Hellenic Ministry of Development	1998
Development of the Technical Specifications and preparation of the Tender Documents for the construction of a Central Plant for the thermal treatment of the produced municipal solid waste in the Aegina island	Hellenic Ministry of Development	1997
Design of a Central Industrial Wastewater Treatment Plant in the Asopos river industrial area	Hellenic Ministry for the Environment, Physical Planning and Public Works	1996 - 1998

Management Systems

Client	Client's Activity	Management System	Date
Alter Ego	Facility Management Company	ISO 14001 OHSAS 18001	2013 – 2014
Chrostiki S.A.	production of powder color blends, printing inks and masterbatches	EMAS	2010 – 2014
General Recycling S.A.	solid waste recycling plant	ISO 9001 ISO 14001 EMAS OHSAS 18001	2009 – 2014
Kassandra Bay	hotel	EMAS	2008 – 2012
Universal Cleaning S.A.	cleaning services	ISO 9001 ISO 14001 OHSAS 18001	2008 – 2009
Sarakakis S.A.	automobiles retailer	ISO 14001	2008
Astrea S.A.	production of fish feeding products	ISO 9001 ISO 14001	2008
Pepsi Bottling Group Greece S.A.	production of bottled mineral water	ISO 14001	2008
Toyota Logistics S.A.	vehicles spare parts retailer	ISO 14001	2008
Plural S.A.	production of telecommunication base stations	ISO 14001	2007
Metka Constructions S.A.	constructions company	ISO 14001	2007
Argo S.A.	production of plastic products	ISO 14001	2006
Supermix S.A.	production of plastic products	ISO 14001	2006
Motoroil Hellas S.A.	oil refinery	EMAS	2006
Grecolack S.A.	production of paints and varnishes	ISO 14001	2006
Aemy S.A. – Olympic Village Hospital	hospital	ISO 14001 OHSAS 18001	2006
Grafotypiki S.A.	printing industry	ISO 14001	
Pergamos Publications S.A.	printing industry	ISO 14001	2006
Neotex S.A.	production of construction materials and building chemicals	ISO 14001	2006
Michalopoulos D. S.A.	furniture production	EMAS	2006
Vemmo Institute of Vision and Optics - University of Crete - School of Medicine	hospital	ISO 14001	2006
Perseus S.A.	production of fish feeding products	ISO 14001	2005
Toyota Hellas S.A.	automobiles retailer	ISO 14001	2005
Pipe Life Hellas S.A.	production of plastic pipes and fitting products	EMAS	2005
S.K. Pazaropoulos S.A.	automobiles dying and repairing plant	ISO 14001	2004
Ziridis School	school	ISO 14001	2004
Nana Beach Hotel	hotel	ISO 14001	2003
ICR- Ioannou S.A.	manufacturing of rotogravure cylinders and flexographic plates	EMAS	2000



Greenhouse Gases Emission Monitoring

Client	Client's Activity	Date
Elais - Unilever S.A.	food production (tomato juice)	2010 – 2013
Larco S.A.	mining and metallurgical activities	2009 – 2013
University of Athens	educational institute	2007 – 2012
D. Nomikos S.A.	food production (tomato paste & juice)	2011 -2012
Copais Food and Beverage S.A.	food production (tomato paste & juice)	2011 -2012
Athens Airways S.A.	airline company	2009
Athens Papermill S.A. - Softex	paper pulp & paper products industry	2007 - 2011



Environmental Measurements

Air emissions and Air quality measurements

Client	Client's Activity	Date
Giesecke & Devrient Matsoukis S.A.	security printing	2014
Syngenta Hellas S.A.	production of insecticides, fungicides and herbicides	2014
Ion S.A.	production of chocolate products	2014
Boehringer Ingelheim Hellas S.A.	pharmaceutical industry	2014
Haidemenos S.A.	printing services	2014
Association of Local Authorities of Thessaloniki	landfill	2013, 2014
M. J. Maillis S.A.	production of packaging and strapping material	2013, 2014
Berling S.A.	paint production	2013, 2014
J. Houmas S.A.	lead batteries recycling and manufacturer	2013
Georgia Pacific Hellas S.A. – SCA	production of paper products	2012 – 2013
Tosoh Hellas S.A.	production of raw material used in the manufacturing of batteries	2012
Chrostiki S.A.	production of powder color blends, printing inks and masterbatches	2012
Europa Profil Aluminium S.A.	production of aluminium profiles	2011, 2012
Elioil S.A.	liquid fuels merchantry	2011, 2012
Ecofeed S.A.	production of fish feeding products	2011
Aktor S.A. – Intrakat S.A.	construction of "Korinthos – Tripoli – Kalamata, Lefktro – Sparti branch" National Motorway (MOREAS)	2010-2012
Ecomel Recycling Industry S.A.	solid waste recycling	2010, 2012
Colgate - Palmolive Hellas S.A.	production of cleaning products	2010
ICR-Ioannou S.A.	manufacturing of rotogravure cylinders and flexographic plates	2010, 2013, 2014
Pafos S.A.	furniture manufacturing	2010
General Recycling S.A.	solid waste recycling	2009 – 2014
Er-Lac S.A.	production of paints, varnishes and synthetic resins	2009, 2011
H. Hasapis	Tripoli's landfill site	2009
Vrohidis S.A.	ecclesiastical products manufacturing	2009
Akritas S.A.	production of wood products	2009
Vernilac S.A.	production of varnishes and paints	2008, 2009
Neochimiki Interchem Hellas Group	production of chemical raw materials (Interchem A, Interchem B)	2008
Niki Publishing S.A.	press publishing	2007 – 2011
Planatech S.A.	boats manufacturing	2007, 2009
Biodomus S.A.	cosmetics production	2007, 2008
Supermix S.A.	production of plastic products	2007
Grecolack S.A.	production of paints and varnishes	2007
Argo S.A.	production of plastic products	2007
Tegopoulos S.A.	press publishing	2006 – 2011
Hellenic Environmental Center S.A.	slops treatment vessel	2006 – 2010
Hellenic Shipyards S.A.	shipyard	2006



Pipe Life S.A.	production of plastic pipes and fitting products	2004 – 2014
Association of Communities and Municipalities in the Attica Region	solid waste landfill site in Ano Liosia, Attiki	2003
Municipality of Melissa, Attiki	Roads network of the Municipality (traffic pollution)	2002

Occupational exposure measurements of air pollutants

Client	Client's Activity	Date
Giesecke & Devrient Matsoukis S.A.	security printing	2014
Boehringer Ingelheim Hellas S.A.	pharmaceutical industry	2014
Association of Local Authorities of Thessaloniki	landfill	2013, 2014
Berling S.A.	paint production	2013, 2014
J. Houmas S.A.	batteries recycling	2013
Evioptempo S.A.	production of electric, electronic, telecommunication products	2012 – 2014
Georgia Pacific Hellas S.A. – SCA	production of paper products	2012 – 2013
Chrostiki S.A.	production of powder color blends, printing inks and masterbatches	2012
Larco S.A.	mining and metallurgical activities	2011 – 2012
Ecomel Recycling Industry S.A.	solid waste recycling	2010, 2012
Colgate - Palmolive Hellas S.A.	production of cleaning products	2007 – 2012
Ecofeed S.A.	production of fish feeding products	2011
Dipo S.A.	wood products merchantry	2011
General Recycling S.A.	solid waste recycling	2009 – 2011
ICR-Ioannou S.A.	manufacturing of rotogravure cylinders and flexographic plates	2010
Pafos S.A.	furniture manufacturing	2010
Spider S.A.	metal products manufacturing	2010
Hellenic Recovery Recycling Corporation S.A.	solid waste recycling (10 plants)	2010
Vrohidis S.A.	ecclesiastical products manufacturing	2009
Akritas S.A.	production of wood products	2009
Neochimiki Interchem Hellas Group	production of chemical raw materials (Interchem A, Interchem B)	2008
Neotex S.A.	production of construction materials and building chemicals	2008
S.K. Pazaropoulos S.A.	dying and repairing of automobiles	2004
Spyrou S.A.	greenhouse cultivations	2004
Eurochartiki S.A.	production of paper products	2004
Medical Center of Athens	hospital	2002



Occupational noise exposure measurements

Client	Client's Activity	Date
Boehringer Ingelheim Hellas S.A.	pharmaceutical industry	2014
Berling S.A.	paint production	2013, 2014
Unilever Knorr S.A.	production of food and cleaning products	2012
Georgia Pacific Hellas S.A. – SCA	production of paper products	2012 – 2013
Larco S.A.	mining and metallurgical activities	2012
Ecomel Recycling Industry S.A.	solid waste recycling	2010, 2012
Peiraios Direct Services S.A.	bank clients service call center	2010, 2012
Olympic Athletic Center of Athens "Spiros Louis" (OAKA)	athletic complex	2011
Ecofeed S.A.	production of fish feeding products	2011
Hellenic Recovery Recycling Corporation S.A.	solid waste recycling (10 plants)	2010 - 2011
ICR-Ioannou S.A.	manufacturing of rotogravure cylinders and flexographic plates	2010
General Recycling S.A	solid waste recycling	2009 - 2011
Pipe Life S.A.	production of plastic pipes and fitting products	2004 - 2011
Colgate - Palmolive Hellas S.A.	production of cleaning products	2007, 2011
Pafos S.A.	furniture manufacturing	2010
Akritas S.A.	production of wood products	2009
Vrohidis S.A.	ecclesiastical products manufacturing	2009
Planatech S.A.	boats manufacturing	2009
Neotex S.A.	production of construction materials and building chemicals	2008
Plural S.A.	production of telecommunication base stations	2008
Grecolack S.A.	production of paints and varnishes	2007
Tegopoulos S.A.	press publishing	2005, 2006

Environmental noise measurements

Client	Client's Activity	Date
Patras Port Authority	port	2014
Ion S.A.	production of chocolate products	2014
Berling S.A.	paint production	2013, 2014
Georgia Pacific Hellas S.A. – SCA	production of paper products	2012 – 2013
Unilever Knorr S.A. (Pummaro)	production of food products	2012
Unilever Knorr S.A.	production of food and cleaning products	2012
Elinoil S.A.	liquid fuels merchantry	2012
Aktor S.A. – Intrakat S.A.	construction of "Korinthos – Tripoli – Kalamata, Lefktro – Sparti branch" National Motorway (MOREAS)	2010 - 2012
Ecomel Recycling Industry S.A.	solid waste recycling	2010, 2012



Elanthi S.A.	food production (storage facility of edible oils)	2011
Ecofeed S.A.	production of fish feeding products	2011
Hellenic Recovery Recycling Corporation S.A.	solid waste recycling (10 plants)	2010 - 2011
General Recycling S.A.	solid waste recycling	2009 - 2014
Pipe Life S.A.	production of plastic pipes and fitting products	2004 – 2014
Kassandra Bay	hotel	2010
Colgate - Palmolive Hellas S.A.	production of cleaning products	2010
ICR-Ioannou S.A.	manufacturing of rotogravure cylinders and flexographic plates	2010, 2013, 2014
Pafos S.A.	furniture manufacturing	2010
Akritas S.A.	production of wood products	2009
Planatech S.A.	boats manufacturing	2009
Pilot Beach Resort	hotel	2009
Air Lift S.A.	helicopters rental	2009
Vrohidis S.A.	ecclesiastical products manufacturing	2009
Aidonakia S.A.	luna park	2008
Neochimiki Interchem Hellas Group	production of chemical raw materials (Interchem A, Interchem B)	2008
Neotex S.A.	production of construction materials and building chemicals	2008
Plural S.A.	production of telecommunication base stations	2008
Argo S.A.	production of plastic products	2007
Niki Publishing S.A.	press publishing	2007
Grecolack S.A.	production of paints and varnishes	2007
Supermix S.A.	production of plastic products	2007
Tegopoulos S.A.	press publishing	2005, 2006
Melissia Municipality	municipality (road traffic noise measurements)	2002

Indoor air quality measurements

Client	Client's Activity	Date
Groupama Phoenix S.A.	insurance company	2014
Eye Day Clinic S.A.	clinic	2014
Google Greece Internet Application Single Partner L.T.D.	internet applications	2013 – 2014
National Emergency Aid Center of Athens	call center of the National Emergency Aid Center	2013
WIND	telecommunications	2013
Siemens S.A.	electric and electronic products	2013
Pfizer S.A.	medicine products	2013 – 2014
Diageo S.A.	drinks and beverages merchantry	2012
Peiraios Direct Services S.A.	bank clients service call center	2010, 2012
Consolidated Contractors Company	engineering and constructions	2011
General Hospital of Nicosia, Cyprus	hospital	2011
International Airport of Larnaka, Cyprus	airport	2010
Alpha TV	TV channel	2010



International Airport of Pafos, Cyprus	airport	2010
Rossi S.A.	clothes merchantry (warehouse facility)	2009
University of Athens	10 cosmetic centers (measurements in the rframework of a research project)	2009
Aspis Security S.A.	security services	2008
DHL (European Air Transport S.A.)	logistics	2007
Casino Mont Parnes of Athens	casino	2007
Tegopoulos S.A.	press publishing	2007
Toyota Hellas S.A.	automobiles retail	2007
Hellenic Shipyards S.A.	shipyard	2006
Royal Bank of Scotland	bank (office building in Piraeus)	2006
Ecolab S.A.	cleaning services	2006
Shell S.A.	liquid fuels merchantry (office building in Athens)	2005
BP S.A.	liquid fuels merchantry (office building in Athens)	2004 – 2005
Global Finance S.A.	Investment services	2003
International Airport of Athens "Eleftherios Venizelos"	airport	2003
Casino of Loutraki	casino	2003
IBM S.A.	computer consulting	2002 – 2003
Ellinikon International Airport of Athens	airport	2002

Moreover, TERRA NOVA's shareholder, Argyro Lagoudi, has implemented the following projects:

Project	Funding Authority	Date
Study of indoor air pollution in hospitals	National Observatory of Athens	1990
Study of nitrogen oxide levels in the indoor air of houses	National Observatory of Athens	1990

Indoor Air Quality Audits and Green Buildings

Client	Client's Activity	Date
Groupama Phoenix S.A.	insurance company	2014
Google Greece Internet Application Single Partner L.T.D.	internet applications	2013
Siemens S.A.	electric and electronic products	2013
Pfizer S.A.	medicine products	2013 – 2014
Diageo S.A.	drinks and beverages merchantry	2012
Peiraios Direct Services S.A.	bank clients service call center	2010, 2012
Consolidated Contractors Company	engineering and constructions	2011
General Hospital of Nicosia, Cyprus	hospital	2011
Diastasis S.A.	constructions company	2011
International Airport of Larnaka, Cyprus	airport	2010
International Airport of Pafos, Cyprus	airport	2010
Alpha TV	TV channel	2010
Unilever S.A.	food production (central offices building)	2009
Efergo	building construction company	2009
University of Athens	10 cosmetic centers (measurements in the rfeamework of a research project)	2009
Casino Mont Parnes of Athens	casino	2007
Hellenic Exchanges S.A.	Athens stock exchange	2007
Hellenic Shipyards S.A.	shipyard	2006
Royal Bank of Scotland	bank (office building in Piraeus)	2006
Ecolab S.A.	cleaning services	2006
BP S.A.	liquid fuels merchantry (office building in Athens)	2004 – 2005
Global Finance S.A.	Investment services (office building)	2003
International Airport of Athens "Eleftherios Venizelos"	airport (office building)	2003
IBM S.A.	computer consulting	2002 – 2003
Ellinikon International Airport of Athens	airport	2002

Moreover, TERRA NOVA's shareholders, Argyro Lagoudi and Ioannis Spanos, have implemented the following project:

Project	Funding Authority	Date
Indoor air measurements and remediation management at the former Keranis S.A.'s tobacco warehouse prior to the installation of the Hellenic Ministry for the Environment, Physical Planning and Public Works	General Construction Company S.A.	1997 - 1998



Environmental Legislation, Policy and Liability

Project	Client	Date
Development of the specifications for the environmental licensing of renewable energy sources projects, touristic infrastructure projects, health care infrastructure projects and urban planning projects classified in the environmental category B	Hellenic Ministry of Environment, Energy and Climate Change	2012
Harmonization of insurance policy contracts on environmental liability with the EU and national legal framework	Karavias S.A. – ACE Europe – Liberty (Lloyd's)	2011-2012
Harmonization of insurance policy contracts on environmental liability with the EU and national legal framework	AIG Greece S.A.	2008- 2009
Analysis and formulation of insurance policies on environmental liability	Interamerican – Eureco S.A.	2007
Analysis of the national Draft Law on the transposition of the Directive on Environmental Liability in Greece	Hellenic Union of Insurance Companies	2007
Biological diversity of the NATURA sites in the central Ionian Sea (funded by the Hellenic Ministry of Environment)	NGO Archipelagos	2004-2005
MEDACTION – “Policies for land use to combat desertification”	University of the Aegean - Maastricht University	2001-2004
Approximation of the Cyprus legislation concerning waste and waste management with the relative European legislation (funded by the Attorney General of the Republic of Cyprus)	European Public Law Center	2000-2003
Design of an integrated system for monitoring and reduction of VOCs emissions from the industrial use of organic solvents and the transportation of petrol in Bulgaria	Hellenic Ministry for the Environment, Physical Planning and Public Works (in the framework of OECD's Development Assistance Committee fund for the Executive Environmental Agency of Bulgaria)	2000
Approximation of the Cyprus legislation concerning air pollution with the relative European legislation	Ministry of Labor of Cyprus	2000-2003
Approximation of the Cyprus legislation concerning air quality with the relative European legislation	Ministry of Labor of Cyprus	2000-2003

Moreover, TERRA NOVA's shareholder, Giorgos Konstantinopoulos, has participated in the implementation of the following projects:

Project	Client	Date
Occupational health concerns and the existence of stress-related and psychological problems associated with work	Milieu Ltd – European Parliament	2013
Conformity checking of the national measures in Greece transposing Directive 2008/56/EC of the European Parliament and the Council of 17 June 2008 establishing a framework for community action in the field of marine environmental policy	Milieu Ltd – EU DG ENV	2013
Comparative Study of Pressures and Measures in the Major River Basin Management Plans – Legal Expert for Greece and Cyprus	Milieu Ltd – EU DG ENV	2012
Evaluation Study on the Implementation of Directive 2008/98/EC on Waste by Member States (Greece)	Milieu Ltd – EU DG ENV	2012
Evaluation Study on the Implementation of Directive 2008/99/EC on the Protection of the Environment through Criminal Law by	Milieu Ltd – EU DG ENV	2012



Member States (Greece)		
Conformity checking of measures by Member States to transpose Directives in the sector of the environment – Conformity checking of transposition in Greece of Directive 2008/50/EC of the European Parliament and of the Council of 21 May 2008 on ambient air quality and cleaner air for Europe	Milieu Ltd – EU DG ENV	2012
Evaluation Study on the Implementation of Directive 2009/123/EC on amending Directive 2005/35/EC on ship-source pollution and on the introduction of penalties for infringement	Milieu Ltd – EU DG ENV	2012
Evaluation of the European Strategy on Health and Safety at Work	Milieu Ltd – COWI A/S	2012
Conformity checking of measures by Member States to transpose Directives in the sector of the environment, regarding the transposition of Directives 2007/2/EC, 2006/66/EC and 2008/105/EC in Greece	Milieu Ltd – EU DG ENV	2011-2012
Evaluation of the implementation by Member States of Directive 2007/23/EC regarding the transposition and implementation of this Directive in Greece and Cyprus	Milieu Ltd – EU DG ENV	2011-2012
Study on the analysis at EU-level of health, socioeconomic and environmental impacts in connection with possible amendment to Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work to extend the scope of it in order to include category 1 and 2 reprotoxic substances (Greece and Cyprus)	Milieu Ltd – EU DG ENV	2011-2012
Conformity checking of measures by Member States to transpose Directives in the sector of the environment regarding the transposition of Directive 2007/60/EC in Greece	Milieu Ltd – EU DG ENV	2011-2012
Study of the provisions on penalties related to legislation on industrial installations	Milieu Ltd – EU DG ENV	2011
Conformity checking of measures by Member States to transpose Directives in the sector of the environment , regarding Directives 2006/118/EC and 2006/21/EC	Milieu Ltd – EU DG ENV	2010-2011
Conformity checking of measures by Member States to transpose Directives in the sector of the environment (No. 070307/2009/543947/FRA/A2), regarding Directives 2006/7/EC and 2001/81/EC	Milieu Ltd – EU DG ENV	2009-2010
Conformity checking regarding the transposition of the Water Framework Directive in Greece (Directive 2000/60/EC) Conformity checking regarding the transposition of Directive 2004/12 on packaging waste in Greece	Milieu Ltd – EU DG ENV	2009
Assistance in promoting solutions regarding recycling and use of recycled materials from End-of-Life Vehicles in Romania	National Technical University of Athens – Romanian Ministry of Environment	2007- 2008
Capacity Building of State Hazardous Waste Management Agency, European Commission, Twinning Light Project LV 2006/IB/EN/01 TL	National Technical University of Athens	2007- 2008
Conformity Study for Cyprus on the transposition of Directive 98/44/EC on protection of biotechnological inventions (funding by EU DG MARKET)	Millieu Ltd.- Belgium	2007
Analysis of conformity of the transposition into the national law of the Cypriot Republic of the first 14 Directives within the meaning of Article 16(1) of Directive 89/391/EEC on health and safety of workers at work (funding by European Commission)	Millieu Ltd.- Belgium	2004-2005
“Criminal Penalties in Environmental Law of the EU Member States – Research in 10 Member States (funded by EU DG XI)	Maastricht University	2002
ROMANOS – Training of Greek Administrative Judges on European Environmental Law and Policy issues	European Public Law Centre	2000



Advancing administrative infrastructure in Poland – Training of Polish administrative officials (TEMPUS – PHARE)	European Public Law Centre	2000
KYRILLOS - Promotion of the Interstate Cooperation at the level of administrative officials (funded by the Greek Ministry of External Affairs)	European Public Law Centre	1997
PENELOPE - Pan - European Environmental Legislation Observatories for Planning Education and Research (funded by EU DG XIII)	European Public Law Centre	1997 -1999
APERTURE - Environmental Typological Space Mapper Facilitating Implementation of EU Legislation (funded by EU DG XII)	European Public Law Centre	1996-1999

TERRA NOVA performs annual update on the changes in the European and National environmental legislation related to the activities of several companies and determination of environmental obligations.

Client	Client's Activity	Date
Boehringer	Pharmaceutical industry	2013
Giesecke & Devrient Matsoukis S.A.	printing industry	2012 – 2014
Aktor S.A. – Intrakat S.A.	“Korinthos – Tripoli – Kalamata, Lefktro – Sparti branch” National Motorway (MOREAS)	2010 - 2012
Ecomel Recycling Industry S.A.	solid waste recycling	2010 - 2012
Chrostiki S.A.	production of powder color blends, printing inks and masterbatches	2009 - 2014
General Recycling S.A.	solid waste recycling	2009 - 2014
Wilckens S.A. (ex Lustralack S.A.)	chemicals industry	2008 - 2009
Elais – Unilever S.A.	food industry	2011 – 2013
Pummaro – Unilever S.A.	food industry	2011 - 2013
Colgate - Palmolive Hellas S.A.	chemical industry	2011 – 2014
Unilever S.A.	chemical industry	2011 - 2013
Pipe Life Hellas S.A.	production of plastic pipes and fitting products	2004 - 2014
Kassandra Bay	hotel	2007 - 2012



Environmental Planning

Project	Funding Authority	Date
Development of the specifications for the environmental licensing of renewable energy sources projects, touristic infrastructure projects, health care infrastructure projects and urban planning projects classified in the environmental category B	Hellenic Ministry of Environment, Energy and Climate Change	2012
Development of the Management Plans of the Peloponnisos' River Basin Districts	Hellenic Ministry of Environment, Energy and Climate Change	2011 - 2012
Investigation, identification and promotion of innovative business potentials in the field of utilizing of products from the recycling of waste car tires	Hellenic Ministry of Development and Competitiveness	2007 - 2008
Development of a dispersion model in order to evaluate odor levels induced from a wastewater treatment facility in Abu Dabi	Aktor S.A.	2007
Design of a monitoring system of the quality of water of Lake Agra	Municipality of Edessa/ Hellenic Ministry for the Environment, Physical Planning and Public Works	2003
Design of an integrated system for monitoring and reduction of VOCs emissions from the industrial use of organic solvents and the transportation of petrol in Bulgaria	Hellenic Ministry for the Environment, Physical Planning and Public Works (in the framework of OECD's Development Assistance Committee fund for the Executive Environmental Agency of Bulgaria)	2000

Moreover, TERRA NOVA's shareholders, Ioannis Spanos, Argyro Lagoudi and Giorgos Konstantinopoulos, have participated in the implementation of the following Environmental Planning projects:

Project	Funding Authority	Date
International obligations of Greece concerning the protocols of the conventions for transboundary transportation of air pollution in great distances and development of control infrastructure	Hellenic Ministry for the Environment, Physical Planning and Public Works	1999
Hellenic National Plan for the Integrated and Alternative Management of Solid Waste	Hellenic Ministry for the Environment, Physical Planning and Public Works	1998
Pre-Feasibility study for the development of a facility for the treatment of industrial (hazardous) waste in Greece – Analysis of the Greek Situation	Générale des Eaux	1998
Preliminary research and development of the Technical Specifications for the inventory of industrial solid waste at national level in Greece	Hellenic Ministry for the Environment, Physical Planning and Public Works	1997
Preliminary research and development of the Technical Specifications for the inventory of VOCs emissions from industrial and related facilities	Hellenic Ministry for the Environment, Physical Planning and Public Works	1996
Preliminary research and development of the Technical Specifications for the inventory of industrial wastewater at national level in Greece	Hellenic Ministry for the Environment, Physical Planning and Public Works	1996



Environmental Consulting

Client	Client's Activity	Date
Giesecke & Devrient Matsoukis S.A.	printing industry	2012
Lafarge – Heracles S.A.	cement production	2011 - 2012
Aktor S.A. – Intrakat S.A.	“Korinthos – Tripoli – Kalamata, Lefktro – Sparti branch” National Motorway (MOREAS)	2010 - 2012
Ecomel Recycling Industry S.A.	solid waste recycling	2010 - 2012
Planatech S.A.	boats manufacturing	2010 - 2011
Chrostiki S.A.	production of powder color blends, printing inks and masterbatches	2009 - 2012
General Recycling S.A.	solid waste recycling	2009 - 2012
Vernilack S.A.	production of varnishes and paints	2008 - 2009
Wilckens S.A. (ex Lustralack S.A.)	chemicals industry	2008 - 2009
Elais – Unilever S.A.	food industry	2006 - 2012
Pummaro – Unilever S.A.	food industry	2006 - 2012
Colgate - Palmolive Hellas S.A.	chemical industry	2006 - 2012
Unilever S.A.	chemical industry	2006 - 2012
Creta Eco Phoenix S.A.	solid waste recycling	2005 - 2012
Pipe Life Hellas S.A.	production of plastic pipes and fitting products	2004 - 2012
Kassandra Bay	hotel	2004 - 2012
Elioil S.A.	liquid fuels merchantry	2004 – 2012
Tegopoulos X.K. Publishing S.A.	printing industry	2006 - 2011

Moreover, TERRA NOVA up to day has conducted more than 100 waste management studies for the environmental licensing of companies dealing with the collection, transportation, temporary storage, treatment and recycling of hazardous and non hazardous solid waste (Waste Electric and Electronic Equipment, End of Life Vehicles, Batteries, Lead - Acid Accumulators, Waste Lubricant Oils, Printer Cartridges, Waste Car Tires, Waste Packaging Materials, Scrap Metals, Construction Waste etc).



Research & Development

Funding Framework	Project	Implementation period
LIFE+ Environment Policy and Governance	CONOPS (LIFE12 ENV/GR/000466) "Development & demonstration of management plans against - the climate change enhanced - invasive mosquitoes in S. Europe"	2013 - 2017
LIFE+ Information and Communication	AMMOS (LIFE12 INF/GR/000985) "Integrated information campaign for the reduction of smoking related litter on beaches"	2013 - 2015
LIFE+ Environment Policy and Governance	CALCHAS (LIFE08 ENV/GR/000558) "Development of an integrated analysis system for the effective fire conservancy of forests"	2010 - 2013
LIFE - Environment	DIONYSOS (LIFE03 ENV/GR/000223) "Development of an economically viable process for the integrated management via utility of winemaking industry wastes: Production of high added value natural products and organic fertilizer" DIONYSOS was awarded with the prize "The Best of the Best Environmental Projects" for the years 2007-2008.	2003 - 2006
Hellenic General Secretariat for Research & Development	AEGEAN "Design of a system for the identification of the best routes for oil transportation through the Aegean Sea"	2003 - 2006
LIFE - Environment	GREEN BATTERIES (LIFE02 ENV/GR/000373) "Development of a Pilot Separate Collection and Recycling Scheme for Batteries and Accumulators in Crete"	2002 - 2006
LIFE - Environment	MINOS (LIFE ENV/GR/000671) "Process development for an integrated olive oil mill waste management recovering natural antioxidants and producing organic fertilizer" MINOS was awarded with the prize "Best LIFE-Environment Projects 2004-2005"	2001 - 2004
5 th Action Programme	MEDACTION "Policies for land use to combat desertification"	2001 - 2004
EQUAL	"Development of a system for the collection of recyclable materials from car-shops in Volos"	2004
ALTENER	XENIOS "Development of monitoring tool in hotel buildings and promotion of the rational use of energy (RUE) and the renewable energy sources (RES)"	2002 - 2003



Moreover, TERRA NOVA's shareholders, Ioannis Spanos, Argyro Lagoudi and Giorgos Konstantinopoulos, have participated in the implementation of the following R&D projects:

Funding Framework	Project	Implementation period
LIFE – Third Countries	"Integrated control of industrial pollution and chemical substances in Cyprus"	1998 - 2000
LIFE – Third Countries	"Development of Multi-Scheme Urban Refuse Treatment – Piraeus, Marseille, Haifa"	1997 - 1999
EU DG XII	INSTRUFECT "The Effectiveness of Instruments for Environmental Policies in the field of Industry: Regulating Packaging and Transport of Hazardous Waste"	1996 - 1998
SAFE	Survey of Occupational Problems and Risks Related to Indoor Conditions in Hospital Operating Rooms"	1998 – 1999
EU DG XII - JOULE II	"European Data Base for Indoor Air Pollution Sources in Buildings"	1994 – 1996
EU DG XII - JOULE II	European Audit Project to Optimise Indoor Air Quality and Energy Consumption in Office Buildings	1992 – 1995

