



annual report
2013



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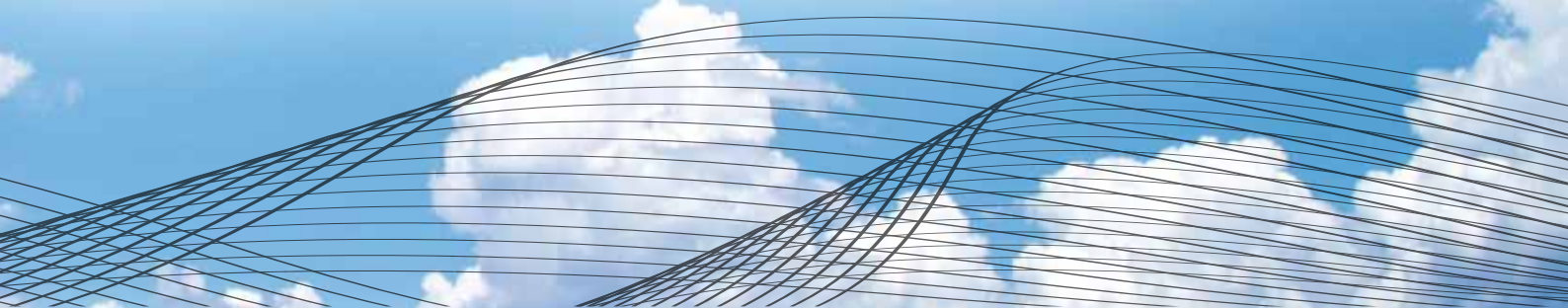
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annual report 2013



YANNOS AGGELIDIS

President & CEO

Dear Colleagues, Dear Friends,

Another successful year for Ecoelastika came to its end.

The end-of-life tire management system in Greece is undoubtedly one of the most successful collective systems for alternative management in our country covering the entire Greek territory having achieved very high rates of collection and use of such tires.

Our goal remains the constant improvement of service to our partners and the best and most environmentally correct use of tires and to this end we are continuing to invest in infrastructure, in research activities in the field of science and in enhancing our partnerships.

Both I and the rest of Ecoelastika people always remain at your disposal for any subject which may contribute to the goals of the system and promote environmentally sound management of used tires in our country.

Enjoy your reading



GEORGIOS MAVRIAS

General Manager

Within 2013, Ecoelastika made significant steps to improve both the level of communication with all the collection points in the country, and the individual procedures control quality of the alternative management.

Specifically, the expansion of the telephone orders network and web communication for collecting used tires across the country resulted immediately to better service at the collection points and the extraction of useful conclusions from the statistical analysis of all data relating to the distribution of waste tires.

The systematization of controls to all relating bodies (collectors, transporters, utilizers) which was achieved by the introduction of online communication systems, aimed at improving the quality of service to all professionals cooperating with the system in the import, distribution and replacement area of vehicle tires.

In 2013 an effort was made by Ecoelastika, in cooperation with the E.O.AN. (Greek Organization of Recycling) for further reduction of stockpiles of waste tires which are still remaining untreated in some recovery unit areas within the Greek territory and pose a risk to the environment.

Ecoelastika, taking into account the funds available in the system, in 2013 decided to spare a certain capital and implemented practice of collection and exploitation of end-of-life truck tires from ELVs (End of Life Vehicles) dismantling areas which are outside the scope of the company's responsibility, with the sole aim to promote recycling and the protection of environment.

Highlights 2013

April-June 2013

1. On line order management for dealers: Ability for 2200 active collection points in Greece to put their order through internet for collection of used tires from their store.
2. Delivery of used tires to FREE PRESS PARALLAXI to reform park in Stavroupoli, Thessaloniki, through the action of "Thessaloniki in a Different Way."
3. Ecoelastika S.A. and the other members of the Alternative Management Systems Association, in collaboration with the Municipality of Athens organized a Recycling Festival in "Technopolis" of Gazi on the occasion of the World Environment Day. The aim of the Festival was to spread the message of Recycling to all visitors encouraging them to integrate recycling in their daily lives.
4. Contribution of used tires in the Athens Festival for the needs of the theatrical performance of Homer's epic poem "The Iliad."

Highlights

July-September 2013

1. Delivery of used tires to the Rifle Group of Sparta, to create a safe space during matches and training sessions in order to prevent the risk of slugs ricocheting and injuring the contestants.
2. Participation by Sponsorship, Presentation and Promotional Material in the 23rd National Congress of PANDIKO (National Network of Ecological Organizations) in Skiathos on the topic: Municipalities – Urban Waste and Alternative Management Systems. Problems, Partnerships, Prospects."

October - December 2013

1. Ecoelastika completed a series of actions entitled "Collection of end-of-life truck tires from ELV dismantling areas."
Approximately 200 tonnes of used tires from trucks were collected and utilized in mechanical processing plants for recycling. These actions were organized following decision of the Board of Ecoelastika, to spare relevant fund due to the cash flow of the system in late 2013, with the aim of solving the problem of accumulation of type B tires in certain ELV dismantling yards.
2. Delivery of shredded tires through contracted mechanical process company for the construction of the waste landfill in Temploni, Corfu (Civil Engineer projects). The shredded tires were used as a drainage layer in the bottom of the new landfill. In total, 1,000 tons of used vehicle tires were delivered for this project.

Declarations of new tires for 2013



During 2013, the following quantities of new tires were declared by tire and vehicle importers contracted to Ecoelastika. These quantities are reported quarterly by importers by vehicle tire category imported into the Greek market.

Table: Reports of new tires (put on the market) for the year 2013

| | Tires of Category A | Tires of Category B | Tires of Category C | Tires Average weight (tn) |
|--------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------------|
| Tire Importers | 3,056,147 | 160,813 | 435,197 | 33,578 |
| Vehicle Importers | 311,519 | 5,959 | 91,543 | 3,019 |
| TOTAL | 3,367,666 | 166,772 | 526,740 | 36,597 |

The revenues of Ecoelastika are derived almost exclusively from the financial contributions of its members. The financial contributions of new tires put on the Greek market were set to the system's approval file in 2011, with effect from 1/1/2012.

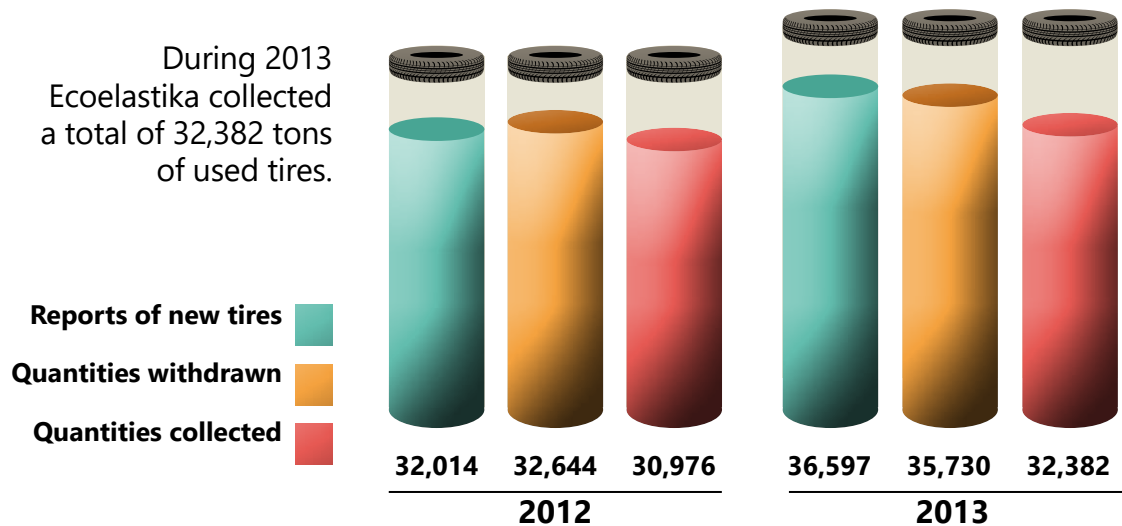
Table: Applicable financial contributions per category and each tire

| | Financial contributions |
|---|--------------------------------|
| Category A' - Passenger Vehicles (Average weight 8kg) | 1,20 € |
| Category B' - Truck Vehicles (Average weight 50kg) | 7 € |
| Category C' - Moto (Average weight 2.5kg) | 0,5 € |

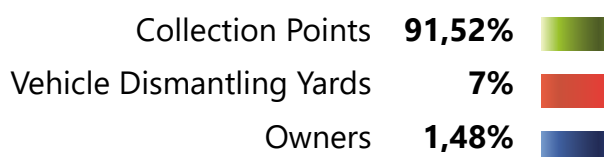
Collection of used tires

Approximately, 2,500 collection points are available in the corporate system of Ecoelastika from which direct collection of waste tires and transportation to the final recovery units is made throughout the Greek territory. Collection points are meant tire repair shops and car repair shops.

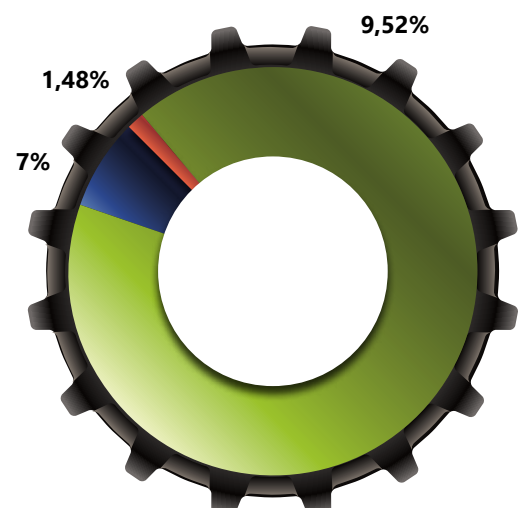
Additionally, Ecoelastika collects waste tires both from owners (public, private sector) and ELV dismantling sites, (contracted with the official System for the Alternative Management of Vehicles in Greece) under specific terms described in cooperation agreements with tires owners and vehicle dismantling businesses with the system.



The origin of the collected tires is analyzed as follows:



The geographical distribution of collected amounts of used tires is proportional to the density of population in these areas. The proportion of passenger car tires / truck vehicle tires is depending on the economical activities and technical projects developing in each geographical area.



Phone order receiving and web application for collection of used tires



Collection points communicate directly with the telephone center of Ecoelastika and inform on the quantities of waste tires wished to be delivered to the system per tire category. These quantities are recorded electronically in the computer system, integrated in Ecoelastika, by the company staff and forwarded directly to the respective collectors - carriers of each geographic region through web application. Alternative, collection points can login to the site of Ecoelastika and place their 'order' electronically for disposal of used tires per category in their possession.

In this way a more directly service of the collection points of Ecoelastika is achieved. It is also possible to collect useful statistic information on the average time needed between the entry and the execution of a request for collection of end of life tires per tire repair/car repair shop.

Frequency - Collection statistics by month

| Months | Average service time in days* |
|-----------|-------------------------------|
| January | 6 |
| February | 6 |
| March | 5 |
| April | 5 |
| May | 5 |
| June | 6 |
| July | 6 |
| August | 6 |
| September | 6 |
| October | 6 |
| November | 5 |
| December | 5 |

*Our objective in Ecoelastika is to reduce the average service time of collection points to 3 working days.

Frequency - Collection statistics by region

| Region | Number of Collection Points | Average service time | Percentage of collected quantities managed in total |
|----------------------------|-----------------------------|----------------------|---|
| ATTICA | 687 | 4 | 33,49% |
| CENTRAL MACEDONIA | 355 | 6 | 16,13% |
| WESTERN GREECE | 124 | 5 | 7,75% |
| CENTRAL GREECE | 136 | 12 | 7,20% |
| CRETE | 148 | 4 | 6,90% |
| PELOPONNESE | 149 | 5 | 5,97% |
| THESSALY | 130 | 6 | 5,47% |
| EASTERN MACEDONIA & THRACE | 117 | 5 | 4,96% |
| AEGEAN SEA | 133 | 8 | 4,32% |
| WESTERN MACEDONIA | 63 | 11 | 3,12% |
| EPIRUS | 49 | 8 | 2,52% |
| IONIAN ISLANDS | 36 | 12 | 2,17% |
| Total | 2,127 | 6 | 100% |



Final utilization of used tires

a) Siting of exploitation units

In Greece currently operate seven (7) plants of final recovery of used tires.

- In one (1) plant (cement industry in Boeotia) is made energy recovery of whole used tires.
- In five (5) plants is made mechanical shredding, separation and granulation of used tires to produce crumb rubber of various granulometry which results to final products or secondary alternative TDF (Tire derived fuel) for energy recovery.
- In one (1) plant (shredder) is made simple shredding of used tires to produce alternative fuel (TDF) for energy recovery and civil engineering applications (TDA).

A portion of used, whole tires collected from the system are exported to cement plants in third countries for energy recovery.

| PLANT | LOCATION | MANAGEMENT TIRE |
|--|---|--|
| TITAN | Kamari, Boeotia | Energy recovery |
| RETIRE SA TYRES HERCO SA ELVAN SA KARAMBAS SA | Industrial Area of Drama Industrial Area of Patra Aspropyrgos Attica Livanates, Lokrida, Fthiotida Munic. | Production of crumb rubber and secondary fuel |
| HELESI SA | Industrial Area of Komotini | Production of crumb rubber and finished products |
| AXEL LTD | Magoula, Attica | Production of secondary fuel and TDA |

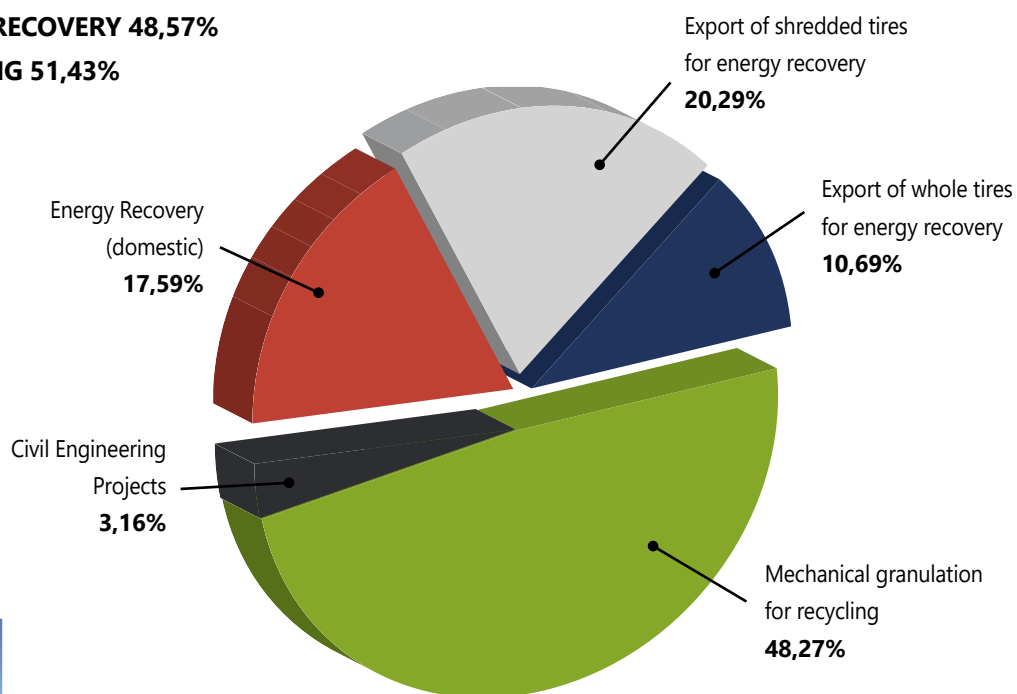
Recycling / Energy Recovery

b) End-use products

From a 51,43% of the total used tires managed by the system in 2013 were produced finished products used in final applications ("recycling"), while the remaining 48,57% was used as secondary fuel (whole or shredded tires) in energy intensive industries in Greece and abroad.

ENERGY RECOVERY 48,57%

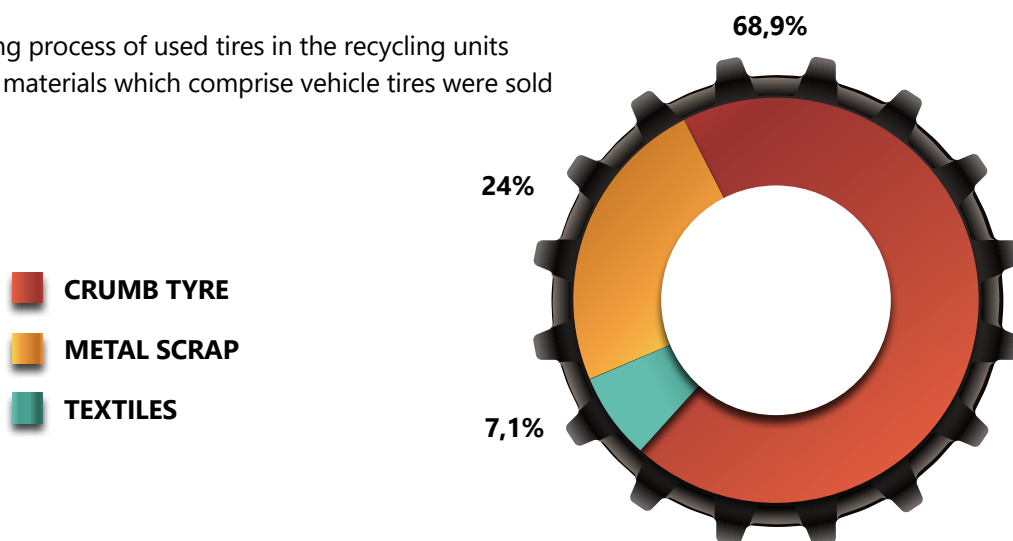
RECYCLING 51,43%





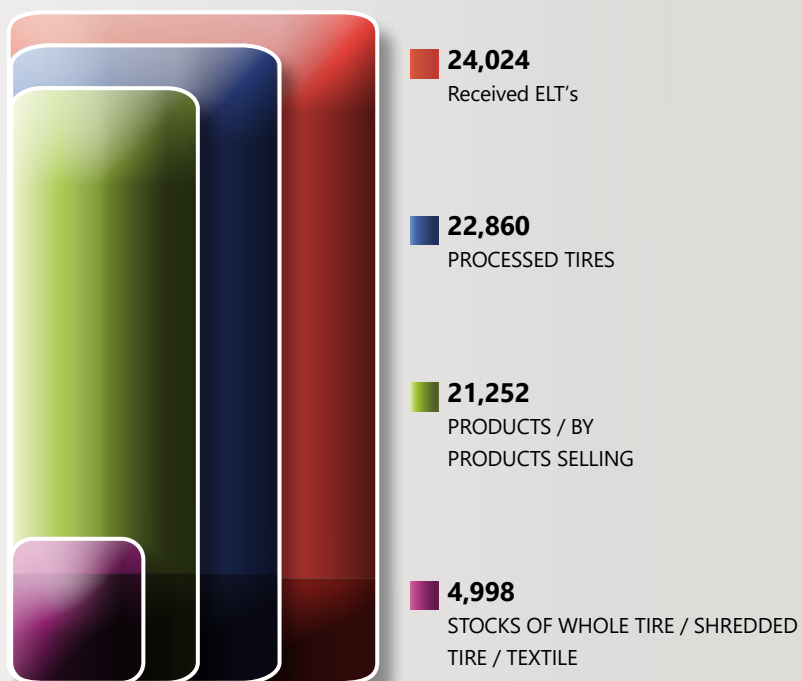
c) Analysis of materials produced by mechanical processing of used tires

Throughout the machining process of used tires in the recycling units the following three basic materials which comprise vehicle tires were sold in 2013.



d) Balance of waste tires mass by mechanical processing units

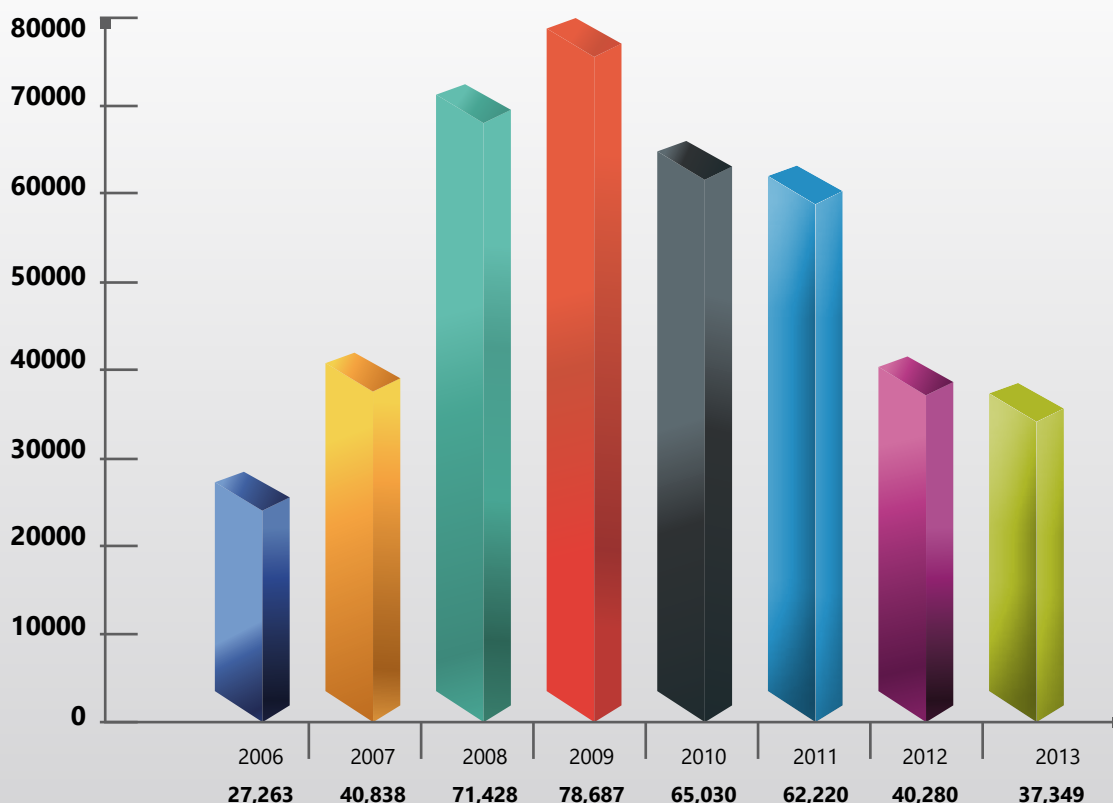
In 2013, mechanical processing units received a total of 24,000 tons of used tires which resulted to the production of finished products and by-products certain portion of which was sold for end use applications in Greece and abroad.



Quantities stored

Development of stock tires

In total, there are approximately 37,000 tons of whole or pre-cut used tires stored quantities in recycling sites and temporary storage collection areas. These tires were collected during the first years of Ecoelastika from 2004 to 2009 due to the increased demands for collection points service before creating the appropriate infrastructure for the complete processing of all quantities of end-of-life tires. Already these stocks are gradually reduced year after year firstly due to the adequate capacity of processing plants contracted with Ecoelastika and secondly because of reduced amounts of collected end-of-life tires in recent years because of the crisis.



Research & Development

Research Programs

During 2013 sampling and analyzes were performed on representative samples of TDF. Analyses performed related to carbon content (C), biogenic fraction and calorific value. The project was part of a pan-European preparation of a 'map' analysis of alternative TDF produced in all EU countries where respective systems with Ecoelastika are operating for the alternative management of used tires in accordance with the principle of extended producer responsibility. This analysis resulted to important information on the use of alternative TDF in cement and other energy intensive industries.

However, the values obtained from both analyses show significant differences compared with other similar analyses on alternative management systems of used tires in the European Union for the TDF, ranging from 5-10%. This fact proves that there is an immediate need to establish a standard for the analysis of biogenic fraction so as to obtain the smallest possible deviations.

Objectives for 2014

Reduction in stock tires

Today there are still stored quantities of whole or pre-cut used tires and textile waste in exploitation plants and temporarily storage yards of some collectors. Ecoelastika's objective in 2014 is to further reduce the stored quantities of tires by 10,000 tons. This will be achieved by subsidizing the transport and / or use of tires to exploitation companies inside and outside Greece contracted with Ecoelastika and capable of processing additional quantities of used tires.

Contacts - Activities

For the year 2014 actions have been planned aimed at increasing the rate of recycling to energy recovery. Specifically, Ecoelastika intends to build in school yards (kindergartens, primary schools) pilot rubber safety flooring which will protect children from injury when falling. Also they are going to organize informative campaign for these uses through theatrical performances for young children, in which will be shown the benefits of recycling tires as opposed to the environmental degradation caused by the uncontrolled discharge into the environment.

Market developments

During the last two years in the Greek market is evident a significant reduction in the percentage of end-of-life tires used for the manufacture of end products compared with the corresponding increase in the percentage of tire sent for energy exploitation in energy intensive industries. This change is due, firstly, to the reduction in prices of end products (crumb, rubber powder, etc.) and secondly to the growing interest of cement and other energy intensive industries worldwide for alternative fuels.

ECOELASTIKA CUSTOMERS

Companies importing tires and vehicles affiliated with the collegiate system of Ecoelastika.

TIRE IMPORTERS

DYNAMIC G. KARAOULANIS - D. MAKRIDIS
 ENTIRE ELASTIKA LTD
 EUROTYP A MARANGONI LTD
 GOODYEAR DUNLOP TIRES HELLAS SA
 INTRAMOTO SA
 MOTOMAX TSEIVARIDIS S. PAVLOS
 RODAL LTD
 SAFE TYRES TSIKALOS M. IOANNIS ONE PERSON COMPANY LTD
 STYLE DYNAMIC LTD
 SUPER TIRE SERVICE SA
 UNI ELASTIKA LTD
 AGGELIDIS B. SA AUTOSTRATA
 AHB HELLAS MON LTD
 ANATOLITIS NIK. ALEXANDROS
 ANTONIADIS G. & CO LTD
 NTAKOUDIS BROS SA
 TZELETZIS BROS
 VAKALOPOULOS A –GIANNAKOPOULOS D
 VAPORIDIS A & CO
 VITAS SA
 VLASSOPOULOS NIKOLAOS
 GASDOGA Z ELENI
 GOGAS LTD
 DERVENTLIS SA
 DODOURAGAS THEOD. DIMITRIOS
 EGNATIA AEGE
 ELASTIKA GROUP LTD
 ELASTIKA VASILADIS SA
 ELASTIKA MICHELIN SA
 ELASTIKA PACHYLAS & SONS SA
 ELASTIKA PIRELLI SA
 ELASTIKOEMPORIKI SA
 ELASTRAKSA
 ELVE SAKIZLIS SA
 ELMA ELASTIKA MAKEDONIAS S.A.
 EMA (LIMITED TRADE & INDUSTRIAL COMPANY OF CAR GOODS)
 EMVOLIADIS BROS OE
 ZOUBOULAKIS LTD
 ZOE KAKOGLOU & CO OE
 DIMITRA SA
 ILIOPOULOS K. LTD
 THALASSOUDIS EFSTRAT. COS
 THEODORIDIS IOANNIS & CO
 THEODORIDIS KON/NOΣ & ELIAS
 THEOCHARAKIS SA
 IKAROS LTD.
 ISCHIS SA
 KALOGRITSAS TH. & X SA
 KALOSAKAS CHARALAMPOS MON LTD
 KABRANIS GEORGIOS SA MOTOWAY
 KAPETANIOS D. & SONS SA
 KAPETANIOS GEORGIOS SA
 KARAVASSILIS CHRISTOU GEORGIOS
 KESSISSOGLOU N. SA
 KEHIDIS K. & CO
 KIOUPIS A & CO
 KONTOGIANNIS IOAN DIMITRIS
 KOUKOULAS ALEX. A
 KOUTOUSIS P.& TH.

KIPRAIOS SOT. GEORGIOS "TROCHOKINISSI"
 LAMPOUDIS P. ANTONIOS
 LISSAIOS DANIEL
 MAKRIDIS SA
 MAXIM KALTSIDIS SA
 MARGARITIDIS PAN NIKOLAOS
 MAROUFIDOU E. KATSIAGONIS A. & CO
 MATENTZIDIS GEORGIOS
 MAVRIDIS SA
 MEIDANIS IOANNIS SA
 MEIDANIS SOFOS ELASTIKA SA
 METSOPOULOS DIMITR. TH. LTD
 MILIADIS ARSENIOS LTD
 MODENA ENGINEERING LTD
 MORAGLIS SA/ ACHAIA CLOTHES INDUSTRY LIMITED
 COMPANY
 MPAZIOS & CO
 BALOGIANNIS ANTONIOS
 BEZAS S. – LEON M. LTD
 BOURAS NIK. PANAGIOTIS
 NIANIAKOUDI A & CO
 NIKOU CHR. DIMITRIOS ONE PERSON LTD
 NOUSSIS N. IOANNIS
 DAVIDI- EKIZANAS
 PANAGIOTOPOULOS FOT. NIKOS
 PANELASTIKI PATRON ONE PERSON LTD
 PAPADAKIS EMM. M. & CO LTD
 PAPADIAMANTIS GEORG. SA
 PAPAKONSTANTINOY ANASTASIOS & CO
 PARTSINEVELOS EFSTRATIOSMOTOZONE
 PATMANIDI MARIA SA
 PATSOURAKOS GEORGIOS & CO
 PERIFERIAKI LTD
 PETOUSIS B. SA
 PRASSOS PAN & CO
 PIRRIS DIM ONE PERSON COM. LTD
 RODA SA
 SIMEONIDIS THEOFANIS & CO
 SINAZOS ACHILLEAS
 SOTIRIOU AGGELOS – RENDOUMIS ARISTIDES
 SOTIRIOU EVAGELOS & CO SA
 TAFAKIS DIMITR. A
 TENORA TECHNIKI SA
 TECHNOMEK SA
 TOPALIDIS THEODOROS SA
 TOPSIS STEF. PADELIS
 TROHOEPIDOSI LTD
 TSAGIAS EMM. ANTONIS
 TSATAS GEORGIOS
 TSANTOULIS SA
 TSIPNIS DAM. KON/NOS
 TSOUKAS APOSTOLIS LTD
 FRAGOULOPOULOS D. LTD
 CHARALAMPIDIS KIRIAKOS SA
 CHATZIGIANNAKIDIS GEORGIOS
 CHRISSOPOULOU D. KIRIAKI

VEHICLES IMPORTERS

AGROHOUM SA
 AIGLON SA
 AUTO RINA LTD
 BMW HELLAS SA
 CHEVELLAS SA
 E & S MOTORS LIMITED IMPORT & TRADE COMPANY OF VEHICLES
 & PARTS
 ERGON TZANIDAKIS LTD
 FORD MOTOR HELLAS LTD
 GENERAL MOTORS HELLAS SA
 KOSMOCAR SA
 KTM HELLAS SA
 LADA HELLAS SA
 LANCIA JEEP HELLAS SA EX CHRYSLER JEEP HELLAS LTD
 MERCEDES-BENZ HELLAS SA
 MOTO LOCO DIMITRIADIS CHR STAVROS
 PANERGON SA
 TEOMOTO SA
 TOYOTA HELLAS LTD
 UNITRACK AEE
 VOLVO CAR HELLAS LTD
 A&F IOANNIDIS SA TRADE & IMPORT KOZANI
 AGRIPAN SA
 ANT. SIOPIS- POL. TRIFINOPOULOS OE "JOHN DEERE"
 AUTO DEAL P. & R. DAVARIS LTD
 ARGIROU PANAGIOTIS
 KOLIBIOTI BROS & SONS
 PAPADAKI BROS ABETE
 VACAR LTD
 VIAMAR SA
 BIEM AUSTRIA
 VOUREDOUNAS SA
 GENESIS SA
 GORGOLIS SA
 EVOBUS HELLAS LTD
 ELVAT LTD
 ELLIN MOTO
 ELMA
 EMIKO SA

ILIOFIL SA/ ELIOFIL SA
 THEOCHARAKIS NIK.I. SA
 INTERTRAK LTD
 IOANNIS & CHARALAMBOS BIBLITZIS
 KARVOUNIS G PANAGIOTIS
 DUTY FREE SHOPS SA
 KATSAROS PAAGIOTIS
 KONDOR CARS SA
 KONTELLIS PAVLOS I.
 KREMETI BROS PROJECTS MACHINERY KYKLOPODILATIKI
 LION HELLAS SA
 BUS STAMATIOU SA
 MAN HELLAS SA
 MANIATOPOULOS N. SA
 MOTO TREND SA
 MOTODYNAMIKI A.E.E.
 NIKI SA AUTORINA
 POWER BEAUTY END SOUL SA
 PEZEA HELLAS CARS TRADE LTD
 PETROPOULOS PETROS LTD
 PIAZZIO HELLAS LTD
 PROMOT E.I. LAINOPOULOS SA
 PITHAGORAS A. SA
 SARAKAKI BROS AEBME
 SUBARU MOTORS HELLAS A.B.E.E.
 SFAKIANAKIS LTD
 TERZIS V. & SONS OE
 TECHNICAL OFFICE CHRISTOS A. KRAVARIS A.T.E.V.E
 TECHNOCAR LTD
 TRIDENT CARS LTD
 FIAT AUTO HELLAS A.B.E.E.M.
 FILIS ANDREAS LTD
 HYUNDAI HELLAS P.& R. DAVARIS LTD
 CHRISTODOULOU G TZANIDAKI V OE "DOMICAT"



COLLECTORS-TRANSPORTERS

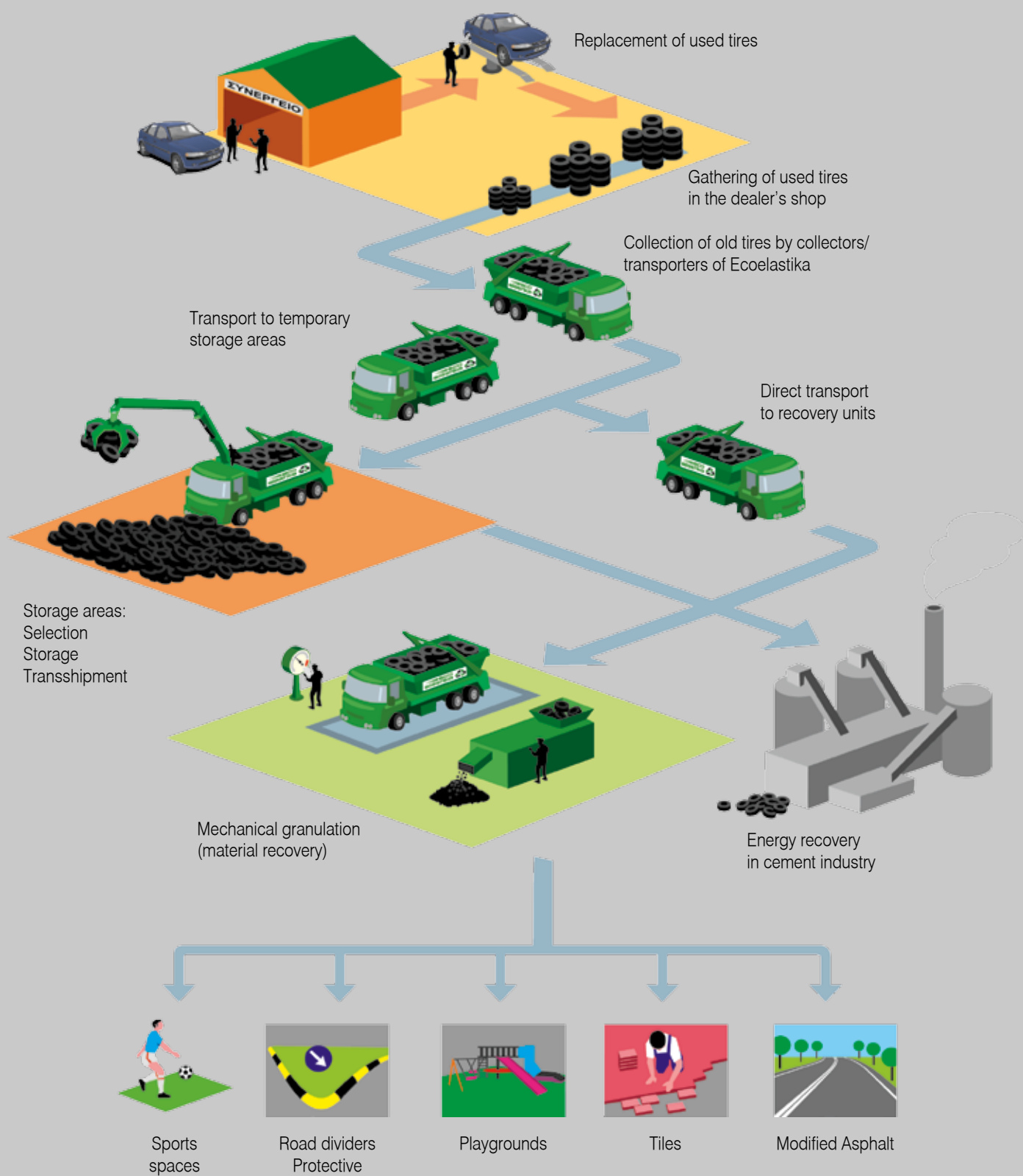
| NAME | TEL. FOR CONTACT |
|--|-------------------------|
| ECO TRANS LTD | 2310722500 |
| ANGELOS SOTIRIOU & CO GP | 2105818175 |
| ANAKIKLOSI AIGAIOY HITIRIA SA | 2251031077 |
| SIKANDARIS BROS LTD | 2262058211 |
| FLOROU BROS S.A. | 2410575725 |
| D.K. CYCLOS SA | 2521081121 |
| DOGAKIS IOAN. ANTONIS | 2810240402 |
| DROSOS ANGELOS OF GEORGIOS | 2286082610 / 6987075854 |
| NATIONAL & INTERNATIONAL TRANSPORT - MOUZAKIS IME - SPECIFIC TRANSPORT COMPANY | 2695026360 |
| KAPSALAKIS IME LTD | 2821091120 |
| MARATHOS G. - DRAGANIS ST. | 2224024170 |
| NTOULIS MATTHEOS & NIKOS | 2271052277 |
| ECOLOGICAL AITOLIA LTD | 2632055063 |
| PANAGIOTIS SPYR. GIOTIS | 6977218112 |
| PAPPA EUGENIA LTD d.t. STAR ECO LTD | 2651048491 / 6936124124 |
| PERME HELLAS S.A. | 2102888127 |
| STATHAKIS ANT. VASILIS | 6932418778 |
| TSIRIGOTIS SPYROS OF IOANNIS | 6972600937 |
| CHRISTOFOROS GEORGIOS OF DEMENEGOS | 2284042798 |
| CHR. KERIDIS TECHNICAL & COMMERCIAL S.A. | 2295026141 |



RECOVERY UNITS

| NAME | REGION | INTERNET ADDRESS |
|-----------------|---|--|
| HELESI SA | IND. ZONE OF KOMOTINI | www.helesi.com |
| HOLCIM BULGARIA | VRATZA DISTRICT, BULGARIA | www.holcim.bg www.holcim.com |
| RETIRE SA | IND. ZONE OF DRAMA | www.dkretire.gr |
| TYRES HERCO SA | IND. ZONE OF PATRA | www.herco.gr |
| AXEL LTD | MAGOULA, ATTICA | www.axel-ltd.eu |
| ELVAN SA | ASPROPYRGOS, ATTICA | www.elvan.com.gr |
| KARABAS SA | LIVANATES, LOKRIDA, FTHIOTIDA MUNIC. | www.karabas.gr |
| PERME HELLAS SA | ROUMANIA SITE, INOFITA, BOEOTIA MUNIC. | www.perme.gr |
| TITAN SA | KAMARI, BOEOTIA | www.titan.gr |
| TITAN BULGARIA | ZLATNA PANEGA, BULGARIA | www.titan.bg |







ECOELASTIKA S.A. ECOLOGICAL MANAGEMENT OF USED TIRES

35 Vas. Konstantinou Str., & 1 Anteu Str., 151 22 Marousi
Tel: 2106128260, 2106128370, Fax: 2106128659

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e-mail: info@ecoelastika.gr