

Econstruct the future!

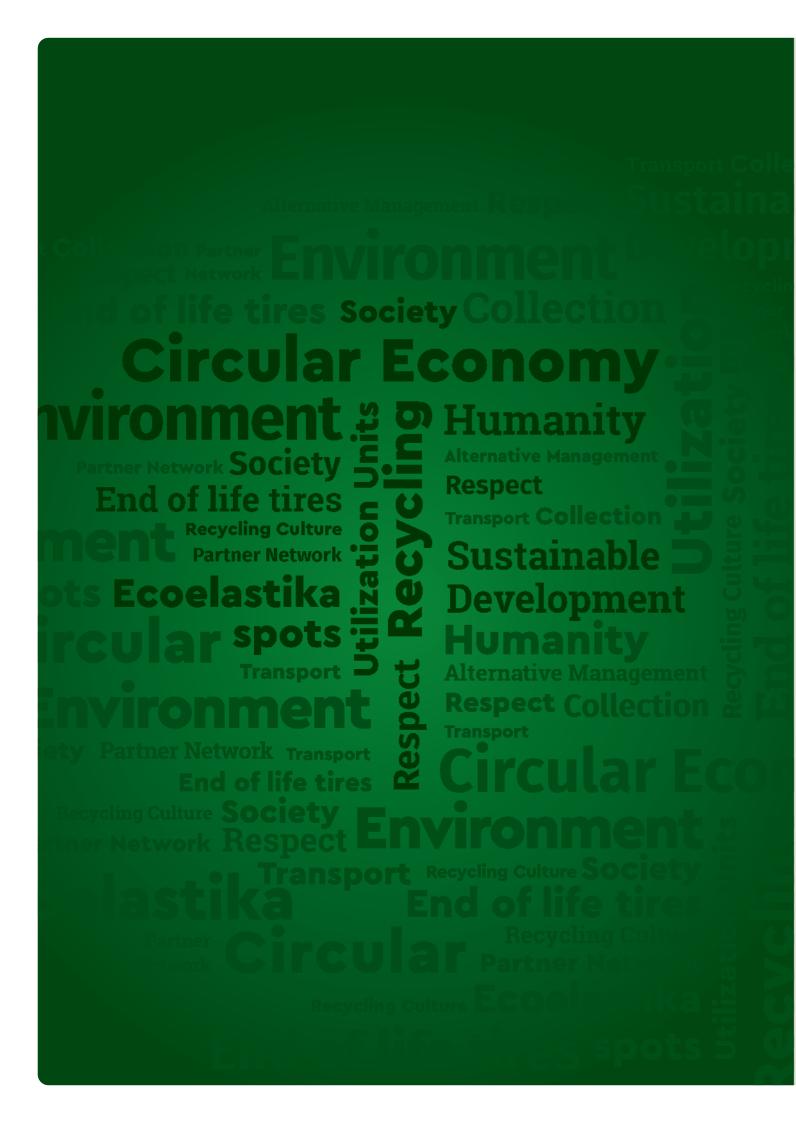
fe tires Society (

Circular Econor

End of life tires Recycling Culture

Respect

Transport C



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IOANNIS DOUKAS TSOLAKIS

President & CEO

2021. A year where we continued to have challenges. COVID-19 pandemic continued to concern us throughout the 12 months, taking measures that were required and that affected, to a large extent, our daily life.

The legislation on the alternative waste management changed, providing an integrated framework with the aim of protecting the environment. Thus, the need for spatial planning, urban planning, energy, and other urgent regulations was created by the authorized bodies at a nationwide level.

ECOELASTIKA, with professionalism, know-how and consistency, strengthened its operation even more, based on its goals regarding the principles of the circular economy for a sustainable future. With the main purpose of a green tomorrow, it managed over 44,000 tns of used tires of our country which was 90.22% of the estimated withdrawn amount.

2021. ECOELASTIKA, as a family, with a wide partners' network and with the use of new technologies, further strengthened its reward programs both to its partners and to citizens.

With the "ECOELASTIKA REWARDS" program, we achieved further facilitation of the coordination of the collection of used tires, rewarding the constructive cooperation with the ECOELASTIKA network, which are the cooperating green garages and tire repair shops - ecoelastikaspots, as well as the cooperating transporters to the licensed recovery units.

But we didn't stop there...

The ECOELASTIKA "Find the Sign" initiative motivated citizens who wanted to change tires to choose one of the cooperating ecoelastikaspots with the aim of utilizing the retired tires resulting from the change either as materials or as recovered energy.

2021. The RAP-ELT project, co-financed by Greece and the European Union, aimed to study the possibility of increasing the recycling rate of RAP (Reclaimed Asphalt Pavement) using modified asphalt with tire shred.

2021. ECOELASTIKA's social responsibility work was again remarkable. We carried out 3 actions in schools, creating free rubber safety floors from recycled vehicle tires and rehabilitating existing ones according to the REACH regulation and based on sampling and analysis.

Every day at ECOELASTIKA we are inspired by our vision for a development model based on the use of secondary materials from end-of-life tire processing. We work with love and passion for a future based on the principles of sustainable development. With the same passion, we continue in 2022.



GEORGE MAVRIAS General Manager

2021 was the year we hoped would be the year we finally moved away from the negative effects of the coronavirus once and for all. Unfortunately, this transition to the pre-2020 state seems not to be such an easy task. From September 2021, it is becoming more and more apparent that humanity will continue to experience the consequences of the pandemic in the form of an energy and economic crisis for the next period.

The first signs were given by the sharp increase in electricity and fossil fuel prices that started at the end of 2021 and continues unabated into 2022, decisively affecting the operation of the whole recycling and especially the utilization of used tires.

The particularity of withdrawn tires is found in the large specific volume they occupy and lead to high transport costs and in their durable construction, which proportionally increases the energy requirements for their full mechanical processing. These two factors, due to the rapid increase in the prices of diesel and electricity, burden and complicate almost the entire management of end-of-life tires.

For 2022, the objective for ECOELASTIKA is, therefore, to maintain the management costs as low as possible, with a further improvement of its logistics services and with a view also to the reduction of the environmental footprint, covering part of the energy needs of the utilization of used tires from alternatives and renewable energy sources.





1. Business Model ECOELASTIKA

ECOELASTIKA is a non-profit company, responsible for the ecological management of end-of-life tires (ELTs). It is the only approved ELT co for used tires.

ECOELASTIKA's modern business model forms the basis of its entire operation, while, at the same time, it creates the conditions for its processes to be carried out with speed and efficiency. Its vision, mission and business values are the cornerstone of every effort, focusing on the environment, society, and the economy.

R&D - NEW TECHNOLOGIES' DEVELOPMENT - ADDED VALUE AVAILABLE RESOURCES

A. Available resources

Financial

ECOELASTIKA's activity requires specific financial resources. The only source of revenue of ECOELASTIKA are the environmental fees destined to cover the total management cost of used tires as well as the actions to raise public awareness.

According to PD 109/2004 (articles 2, 3, 5) monetary contributions are charged on any imported new and/or used (retreaded or not) tires in the Greek market, and new or used imported vehicles which have tires of categories A, B, C, D1 & D2.

Human

Both the employees and the wider partner network of ECOELASTIKA add value to its entire business model through their knowledge, experience, professionalism, and know-how, having relations of cooperation and mutual trust between them.

Natural

ECOELASTIKA's partner network, with absolute respect for sustainable development, uses the necessary natural resources consistently and prudently so that the final products resulting from the utilization of end-of-life tires to add value to the natural environment.

Intangible

The know-how incorporated into the products resulting from alternative end-of-life tire management covers a wide range of intangible resources: Research & Development, Energy Saving, Efficient Project Management, Technological Innovations, etc.

Social

The social acceptance of ECOELASTIKA's activity is based on our good practices, our social work, the transparency, and the trust shown to us by the stakeholders, including governmental organizations and the entire population of our country.

B. Mode of Operation

Vision - Mission - Corporate Values - Social Purpose

Management

Code of Ethics

Company Policies & Procedures

Approved procedures of interaction with the partner network

Central & Support Functions

Strategy

Legal services

➤ Accounting & Financial Services

Marketing, Communication &

Corporate Social Responsibility Services

Logistics & Supply Chain Services

Customer Service Services

Human Resources Services

IT services (outsourced)

Partner Network (Stakeholders)

ECOELASTIKA employees



Tire/Vehicle Importers



Collection Points - ecoelastikaspots



Collectors-Transporters



Recovery Units



ELV Dismantling Facilities

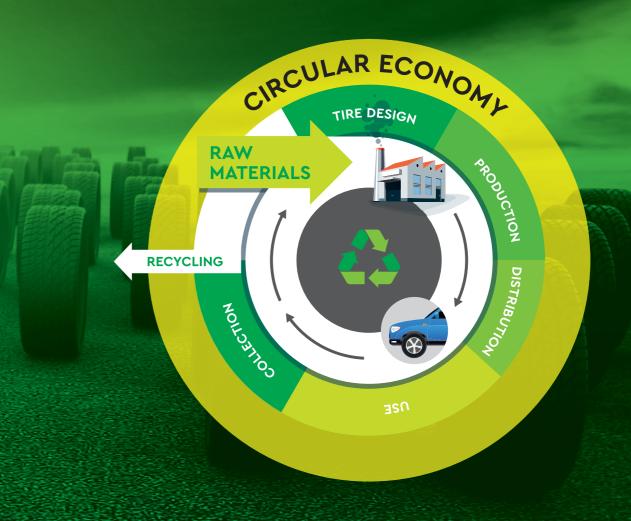


Tire Owners



We seek our long-term growth alongside our commitment to be an integral link in the sustainable development of our country.

- **Sustainability principles** are part of our corporate mission
- Every year, we achieve our goals that contribute to the sustainable development of our country
- We improve our performance through **measurable results**



At one glance

ECOELASTIKA aims to be the most trusted and reliable source of knowledge & action on the environmental impact of end-of-life tires. For this reason, it promotes Research and Development guided by the principles of the Circular Economy so that end-of-life tires can be used either as recovered energy, or as new alternative end products or as materials (by-products) resulting from their recycling.

2. ECOELASTIKA INNOVATION Main Operation Stages

Corporate Identity
Every end of life tire can be useful!

ECOELASTIKA operation is directly related to the principle of **"extended producer responsibility".** This means that producer takes over, through ECOELASTIKA, the responsibility to organize the management of used tires and pay the corresponding costs, complying with the relevant legislation and applying the rules relative to environmental protection and circular economy.









Corporate Operations: We Organize. We Coordinate. We Collect. We Carry. We Use. We Develop.

- Nationwide coordination of the collection of withdrawn End of Life tires from their collection points (e.g., tire repair shops, garages), where the replacement of ELT tires with new ones takes place
- Taking care of their transport and delivery to licensed recovery units, assuming the management costs (cost of collection, transport, and recovery of used tires)





Our vision: A sustainable future!

ECOELASTIKA envisages a new development model based on the use of secondary materials from waste processing. It acts based on the priorities that apply to the management of solid waste, applying the principles of the circular economy and sustainable development. Our vision encompasses our desire to grow into a model of responsible institution that responds to social needs.

Our goal: To protect the environment through sustainable development

Our goal is to manage the funds as efficiently as possible, striving for environmental protection and safeguarding healthy competition.

Our mission: The development of effective alternative ways to manage end-of-life tires

Our mission is the management of used tires withdrawn in Greece, using state of the art techniques, considering environmental and economic criteria.

To succeed in its mission, the company places a high priority on:

- The quality of its services
- $\bullet \ \ Respect for the human factor and the environment$



Our Values

Cornerstones of success!

ECOELASTIKA operates respecting classic and timeless values concerning people, society, and the environment. These values are embedded in its business terminology, contributing daily to its successful course. In other words, it is an integral part of its corporate culture, shaping its high level of customer service and enhancing its innovation.

SOCIAL RESPONSIBILITY

Respect for the Environment

Environmental Consciousness

Social Respect

Social Sensitivity

Human Respect

Altruism

INTEGRITY

Ethical Business Principles

Honesty

Reliability in our Activities

Professionalism

Open Communication

Fruitful Dialogue

Law Respect and Compliance

Transparency

RESPECT

To our Employees

Excellent Working Environment

center working Environment

To the Shareholders

Strong Operations

To Stakeholders

Beneficial Partnerships

Towards Society

Social Responsibility

EFFECTIVENESS

Achieving Goals

Effectiveness

Innovation Enhancement

Pioneering, R&D

Partner Network's Need Satisfaction

Professionalism, Willingness

Creating Value for Shareholders

Long Term Growth

3. ECOELASTIKA CORE TEAM

Teamwork.

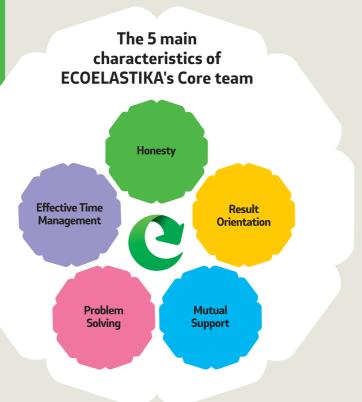
Team achievements.

Good teams make the difference. And close-knit teams bring success. At ECOELASTIKA both are valid, and we are proud of that. Operating under a flexible model, ECOELASTIKA's core team is small, but possessing all the skills, **abilities and talents** required for its smooth and **efficient operation.** Its employees are specialized in their area of expertise, having knowledge, experience, know-how and, above all, **passion for work.**



The 3 basic skill categories of the ECOELASTIKA Core team

- Personal Skills:
 Responsibility, Willingness, Confidence
- Social Skills:
 Team spirit, Good communication skills, Cooperation
- Methodological Skills:
 Analytical thinking, Organizational skills, Presentation skills,
 New Technologies handling skills



4. Stakeholders' Network Partners & Value to Society

A meaningful alliance!

All together for a common goal!

A wide partner network works **EXCLUSIVELY in ECOELASTIKA's operating chain.** This means, that although the core team of ECOELASTIKA is small, its entire network is large and specialized in different parts of the overall process. The task allocation creates the right conditions so **that all parties involved have clear responsibilities**, working according to a specific framework and schedule. This fact contributes to the **creation of job positions and innovation** through R&D and European programs. The team as the main unit of productivity!

190 employees - Fully employed for the ECOELASTIKA network!

DIRECT HUMAN RESOURCES

8 ADMINISTRATIVE HUMAN RESOURCES

INDIRECT

120 COLLECTORS50 RECOVERY UNITS8 SUBCONTRACTORS4 CONTROLERS

We go beyond withdrawn tire management...

TRIPLE TARGET:

1. ECOELASTIKA SUSTAINABLE OPERATION
2. ENVIRONMENTAL PROTECTION
3. LAW COMPLIANCE

Strengthening the **added value** of ECOELASTIKA is achieved through:

- Effective business activity/Clear business plan
- Transparency towards the shareholders and the stakeholders
 - Careful selection of partners
- Constructive cooperation with governmental bodies and companies
- Reliability & Continuous improvement of multi activity structured processes
 - Innovation Management

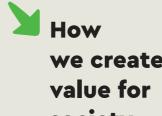


Engaging with our stakeholders



Constructive Use of Resources

Combination of comprehensive know-how from ECOELASTIKA employees, tire producers, collection centers, transporters, recovery units, sorting centers for recyclable materials, recycling centers, waste management companies, governmental institutions, and local communities.



we create society

Social Responsibility **Activities**



- ECOELASTIKA's priority is to create a value chain between itself and all involved parties (stakeholders) with the aim of operating efficiently and facing the challenges of sustainable development in a demanding business environment.
- Customer and partner oriented, ECOELASTIKA utilizes its available resources, acting towards ensuring a long-term development, while satisfying the demands of all stakeholders in a productive and balanced way. Thus, it succeeds in providing mutually beneficial relationships through high quality services and innovation.

Environmental Benefits

Contribution to the circular economy through a more efficient use of the natural resources associated with the manufacture of vehicle tires

Extended producer responsibility to protect the environment through the alternative use of end-of-life tires made by ECOELASTIKA

Compliance with the relevant legislation by implementing rules that promote environmental protection and the circular economy

Social Benefits

Job positions creation in endof-life tire management

Avoiding the exposure of local communities to possible health risks if withdrawn tires were freely disposed of in waste bins, beaches, etc.

Better coordination of stakeholders in the value chain having as objective the final tire utilization

Informing, educating, and raising citizens' awareness through targeted communication campaigns

Economic Benefits

Cost savings resulting from the reduction of the import of raw materials

Increased industrial activity waste collection, energy, products/by-products) and tire derived fuel (TDF)

Improved infrastructure for cities and regions (withdraw, collection, transport, supply chains, energy supply)

Better allocation of funds for end-of-life tires towards longterm planning and investment in infrastructure and technology

Recovery Units

A Green process with valuable benefits! **Reduce - Reuse - Recycle**

Used vehicle tires are not garbage.

Instead, they can be used as: A) Recovered Energy B) Materials (products & by-products)



ECOELASTIKA cooperates with **licensed recovery units**, which receive the collected quantities of end-of-life tires from the collectors - transporters, with the aim of their utilization.

The cooperating units are funded by ECOELASTIKA according to:

- the quantities of recycled end-of-life tires available on the market
- the type of these final products/materials
- the final utilization of these final products/materials

There are 6 mechanical processing units operating in Greece

NAME	AREA	UTILIZATION	WEBSITE	LICENCE	ELECTRONIC WASTE REGISTER	PROTOCOL NUMBER
AXEL LTD	MAGOULA ATTICA	SECONDARY FUEL AND TDA PRODUCTION UNIT	www.axel-ltd.eu	RESPONSIBLE STATEMENT OF CONTINUED OPERATION OF BUILDING AND MECHANICAL EQUIPMENT OF A LOW-DUTY UNIT	N 11777-1	NO. PROT. 4125/15-06-2016
ELVAN SA	ASPROPYRGOS ATTICA	COMPLETE MECHANICAL USED TIRES PROCESSING UNIT	www.elvan.com.gr	OPERATING LICENSE AEPO	4098-1	NO. PROT. 1712/Ф14 ASPR. 3183/19-05-2009 NO. FIRST Ф475/house 4729/ PERIB-9/16-10-2013 NO. PROT. 93961/5105/Ф12/14-11-2017
RETIRE SA	V.I.P.E. DRAMA	COMPLETE MECHANICAL USED TIRES PROCESSING UNIT	www.retire-recycle.com	OPERATING LICENSE AEPO	2493-1	2493-1 NO. PROT. D.A.139/ 27-01-2010. NO. FAC. Ф14/1125 AR. PROT. 344/17-02-2014
TYRES HERCO SA	V.I.P.E. PATRAS	COMPLETE MECHANICAL USED TIRES PROCESSING UNIT	www.herco.gr	OPERATING LICENSE AEPO	17676-1	NO. PROT. D.A.F. 14.2/256343/9893/3180/ 16-10-2013AR. PROT. 1165/73915/15-06-2016
TITAN SA	KAMARI VIOTIA	USED TIRES ENERGY RECOVERY UNIT	www.titan.gr	AEPO	18-4	NO. PROT. 170166/25-1-2011
BIOTROHOS SA	LARISA	COMPLETE MECHANICAL USED TIRES PROCESSING UNIT	www.biotrohos.gr	OPERATING LICENSE AEPO	866-1	NO. PROT. DA/ Φ14.1353/1832/7-6-2007AR. PROT DA/F.14. 1353/ 4832/18-12-2015
PERME HELLAS SA	LOCATION RITSONA EVIAS	SECONDARY FUEL AND TDA PRODUCTION UNIT	-	INSTALLATION PERMIT RESPONSIBLE DECLARATION OF COMMENCEMENT OF PROFESSIONAL LABORATORY WAREHOUSE OPERATION	210-2	NO. PROT. 8.631/ F.14/2655/ 3-12-2015 NO. PROT 7076/Ф14/ 2655/21.08.2014

5. Sustainable Development

One of the highest percentages of tire recycling for 2021 at European level!

Environmental footprint reduction. Waste minimization. Facilitation to the end of the chain. This is ECOELASTIKA.

Sustainable development starts from the simplest things in our everyday life, for example, our ecological consciousness and the transformation of products that we consider to be useless again into something useful!

Success List

1. Immediate action

2. Productive employment

3. Effective update

4. Reinforcement of application means

We want a better world for us and our children! That is why ECOELASTIKA's qualitative sustainable development goals focus on the entire Business-Economy-Environment-Society ecosystem.

Business-Economy

- O Development of applications for the absorption of used tires processing products
- Penetrating new markets and creating job positions for the commercialization of used tires processing products, contributing to the circular economy (through participation in research projects)
- Incentives to technical companies aiming to promote the use of rubber granulate in finished products (e.g., modified asphalt, safety floors, rubber tiles, etc.)
- O System initiatives regarding the quality upgrade of the materials produced by the mechanical processing of used tires with the aim of complying with the limitations of the existing legislation

Environment-Society

- Further development of the awareness program informing the public
- Continuation of CSR activities (e.g., donations to schools, educational programs)

«Βρες το Σήμα» ecoelastikaspets

Good to know for a tire:

The average passenger car tire contains useful materials:

7kg natural/synthetic rubber

0,5kg of textiles

1,5kg of steel •

Average Lifespan of a tire:

40.000km

Oil required to produce modern tires:

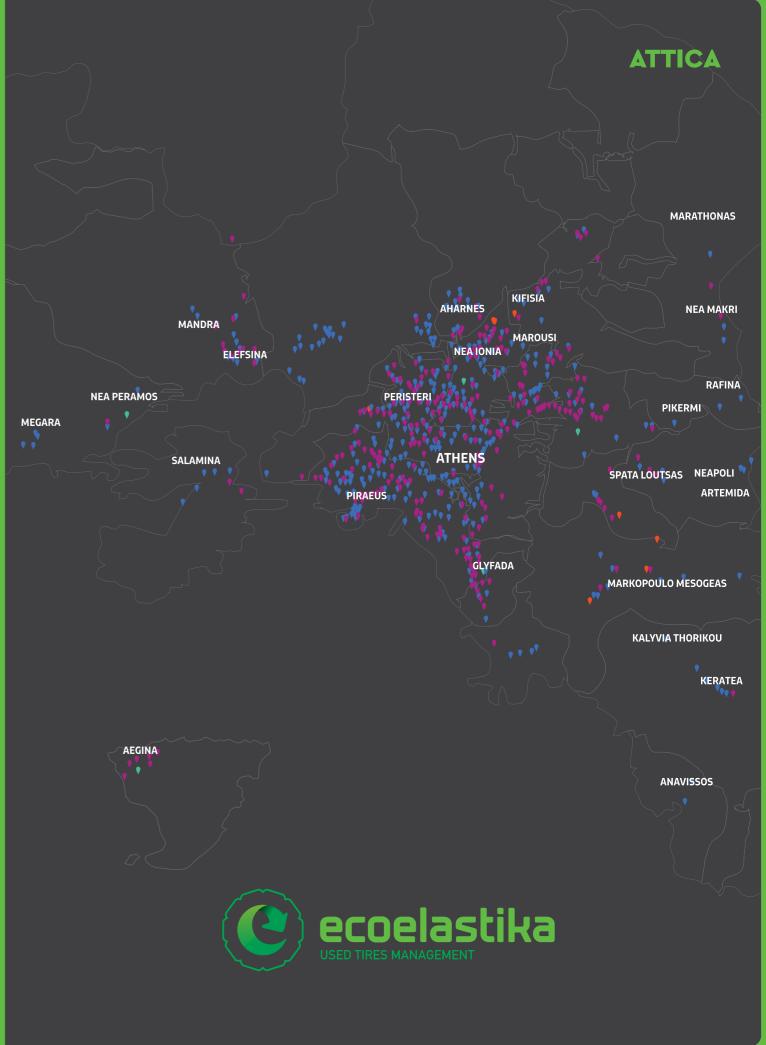
⇒ 26 liters / tire

83 liters / tire



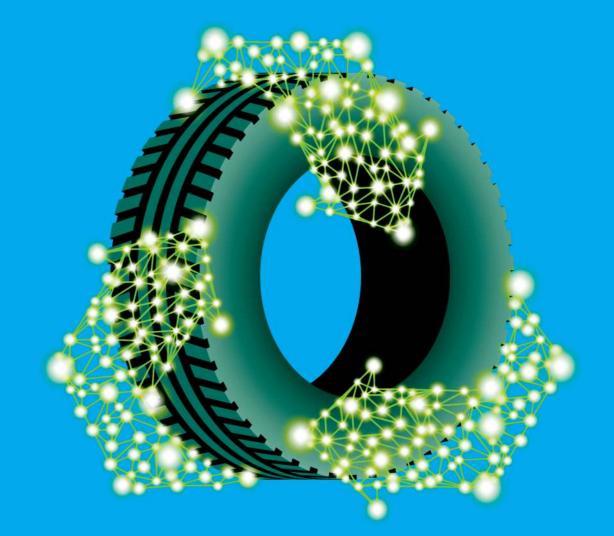
GREECE Collection points throughout Greece





Collection Objective

2021



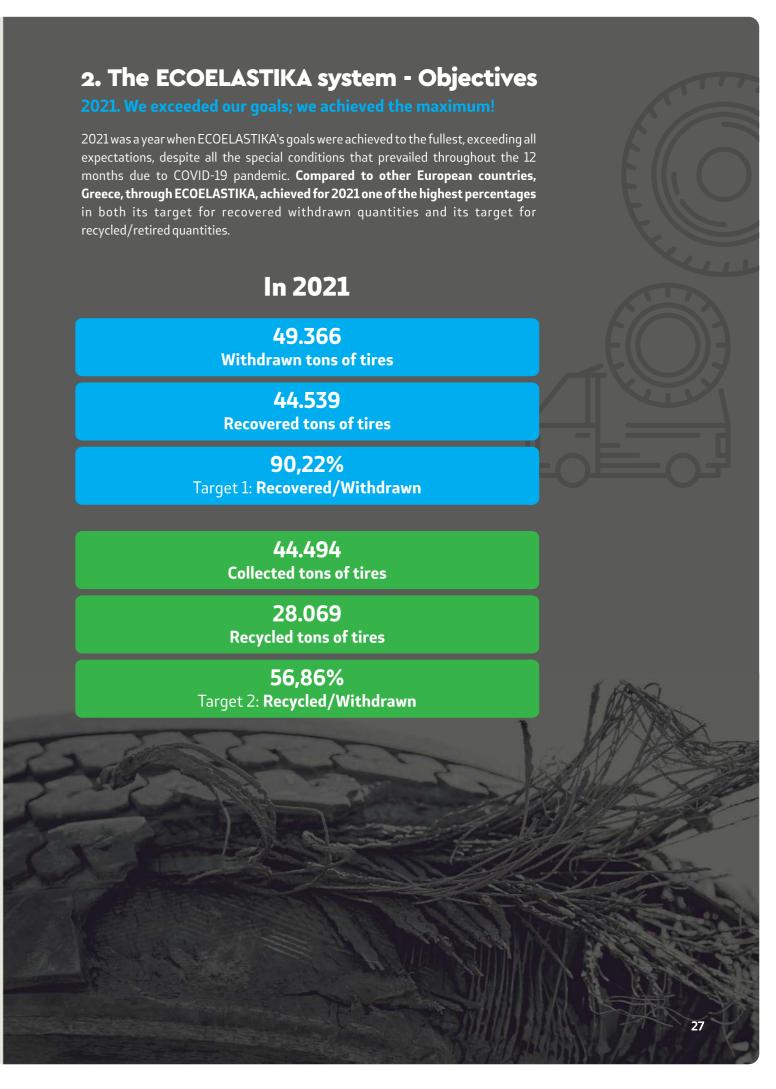




1. New Legislative Framework

With the new Law 4819/2021 passed and valid **from July 2021, the waste management regulatory framework** is revised to keep up with the requirements of the European Circular Economy Action Plan. The new provisions adapt the national legislation to the provisions of Directive (EU) 2018/851 amending Directive 2008/98/EC on waste and Directive (EU) 2018/852 amending Directive 94/62/EC concerning in the management of packaging and packaging waste.





ECOELASTIKA "FIND THE SIGN" Program

Every tire you withdraw in the right way is a win for the environment!

The "FIND THE SIGN" Program is a well-designed initiative by ECOELASTIKA to incentivize citizens to withdraw the end-of-life tires at authorized ecoelastikaspet.

The aim is to protect the environment through their utilization either as materials or as recovered energy.

"ECOELASTIKA REWARDS" Program

A win-win cooperation!

The "ECOELASTIKA REWARDS" Program was presented for the first time in 2020, and, since, then it has been continuously developing, helping to strengthen ECOELASTIKA's cooperation with authorized withdrawn tire collection points.

Rewarding ecoelastikaspot for the continuous collection of used tires - which would otherwise have been discarded without the possibility of reusing their materials through recycling - creates more incentives for their owners, increasing effort and creating greater know-how.



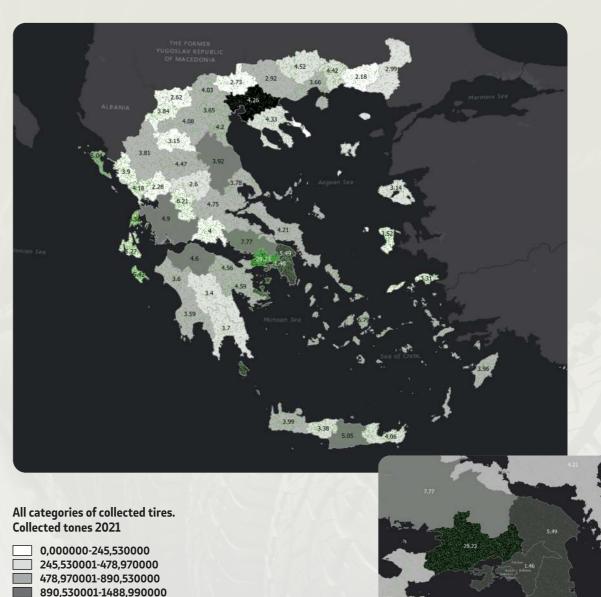
3.422 ecoelastikaspet



Reward **Strengthen Collaboration** Satisfaction of all members

3. ECOELASTIKA in one page

The green dots show the kilograms of tires per resident for all tire categories collected in 2021. The background (gray colored prefectures) shows the tons collected per prefecture in 2021.



Average Kg/resident: 4.58kg

890,530001-1488,990000 1488,990001-3684,690000 3684,690001-5091,990000

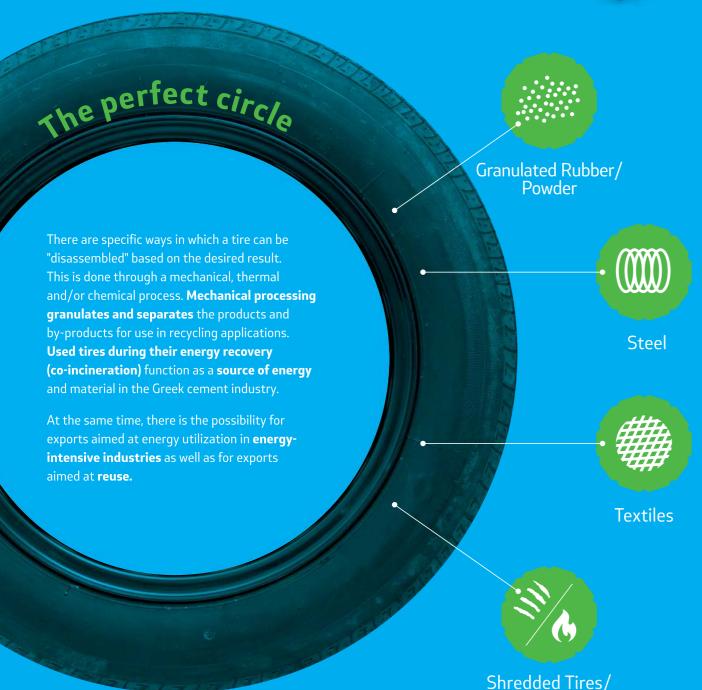
4. Utilization

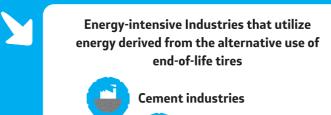
Tires include materials that can be reused. recycled and repurposed.

There are many ways you can "extend" the life of withdrawn tires by making use of the materials they contain. This "dismantling" takes place in special recycling units.



Alternative Fuels









Steel industries



Lime industries

Granulated Tires

- Whole Tires
- Pieces / Tiles / Grains / Rubber Granulate / Powders (0.5-300mm)
- Fine Powder (0-5,0mm)
- Reprocessed Powder (0-50 μm)

Common end uses of recycled tires

Materials produced from the End products from the processing of used tires and their uses recycling of used tires Wheels for wheelbarrows, buckets, grass cutters Road Equipment and signage, footpaths, squares (e.g., dividers, bollards, bollards, etc.) Recycling of tire granules and Rubber floors for playgrounds, sports areas powder into finished products Safety tiles for schools and playgrounds Elastic plinths for walkways, swimming pools and building roofs Filling material in artificial lawns for athletic fields Recycling of tire powder in Production of modified asphalt using recycled used tires powder road constructions Substitution of anthracite and scrap steel in electric arc furnaces of steelworks Use of shredded tires in Recovery of regenerated Carbon Black and pyrolytic oil as raw materials for production of petrochemical industry products Use of shredded tires in pyrolysis / thermolysis / gasification units Construction of protective dykes/embankments for anti-corrosion protection on coasts, jetties, etc. Stabilization of slopes, underpassing of roads and railways Landfill drainage works and landfill rehabilitation Soundproofing panels Retaining wall Use of whole or shredded tires in civil engineering projects Thermal insulation protection for road construction Filling material in tunnel constructions with the "cut and cover" method

Recycled Rubber Market

This is broken down into the following uses-applications:



5. Control & Monitoring.3 alternative waysto put an order!

Easily. Contemporary. Flexible.

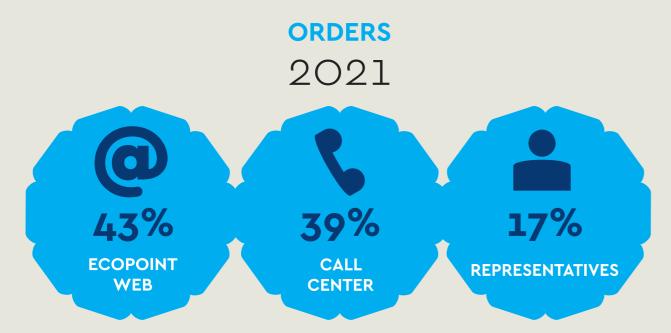
Through the installed modern electronic control system, the monitoring and control of all stages of collection and management of used tires is carried out efficiently and reliably, without problems.

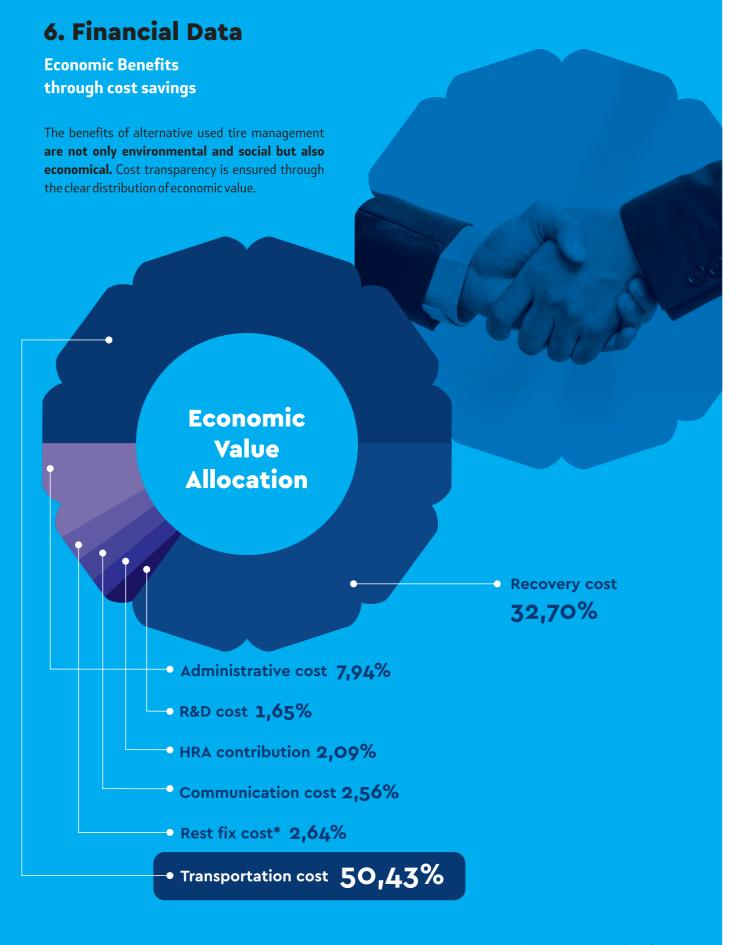
It is worth noting that electronic order entry increased by 18p within 2021 compared to 2020, reaching 43% of the total of 24,097 applications.

The benefits of choosing the digital way of registering the order (via the internet) are many:

- Instant registration 24/7 in time and space via computer, mobile phone or tablet
- Traceability
- Immediate Order Knowledge
- Data Collection
- Convenience
- SpeedPracticality
- Flexibility
- Modernization
- Familiarity with Digital Media







*Controls, monitoring systems, legal fees

R&D

RAP-ELT: PRODUCTION OF MODIFIED ASPHALT AND INCREASE THE RECYCLING RATE OF ASPHALT CONCRETE USING RECYCLED TIRE

PROJECT CODE: T1EDK-01656

ECOELASTIKA undertook the coordination of an important project, the RAP-ELT project, which aimed to study the possibility of increasing the recycling rate of RAP (Reclaimed Asphalt Pavement), using modified asphalt with rubber granulate, to achieve the production pavement with improved properties as well as the utilization of two waste streams (ELT & RAP).

One of the less common end-of-life tire (ELT) utilization applications is the modification of asphalt with rubber granulate, which results from their mechanical processing. With this application, a significant contribution to the circular economy and 100% recycling of the tire is achieved.

The project started in July 2018 and was completed at the end of 2021. In the RAP-ELT project the optimal percentage of rubber granulate that can be used as an asphalt modifier was studied and a pilot application of a heavy traffic road was carried out in the Municipality of Aspropyrgos. After the laying of the road was completed, its technically correct construction was checked and the improvement of its properties was measured in terms of environmental noise reduction, rutting resistance and skid resistance.

The objectives of the program were:

- The environmental and economic evaluation of the investigated practice for the utilization of rubber granulate.
- Viewing the method as capable of absorbing a significant amount of rubber granulate.
- Proposal for the introduction of national specifications regarding the utilization of rubber granulate for asphalt modification.





Innovation

Development





Research





Technology





Idea

Imagination



Creativity

Based on the results, the conclusions are:

- First, the correct construction of the asphalt carpet, based on the National Technical Specifications.
- Also, the section constructed with only modified asphalt showed **optimal performances** regarding noise, rutting resistance and skid resistance, while in the remaining three sections of the road, the performances were similar, indicating that RAP can be recycled at high rates of the order of 50.

The RAP-ELT project studied the possibility of increasing the recycling rate of RAP (Reclaimed Asphalt Pavement), without the use of expensive regenerators, but by using modified asphalt with rubber granulate.









Με τη συγχρηματοδότηση της Ελλάδας και της Ευρωπαϊκής Ένωσης

6 wheels

of Innovation & **Technological** Research

Innovation 6 **Synthesis**

Implementation

Time





Shelf Commitment to continuous contribution to sustainable development **ECOELASTIKA 2021 Social Activities**

In addition to the adoption of procedures, practices and policies that are directly linked to the circular economy, ECOELASTIKA demonstrated in 2021, an important Corporate Social Responsibility activity that aimed to contribute to addressing environmental and social issues. ECOELASTIKA's CSR activity is permanent and integrated into its business model, demonstrating a selfcommitment for a continuous effort to contribute to the 3 pillars of sustainable development: Environment/Society/Economy.

A) Program for Free **Construction of Safety Floors** from recycled tires in schools

From tire recycling to... "love recycling"

With the aim of increasing the ecological awareness of children in terms of the use of recycled products and being always close to local communities, ECOELASTIKA carried out, within 2021, 3 free constructions of safety floors made of recycled vehicle tires in public primary schools throughout the country (Kindergartens, Primary Schools and Special Schools) and Public Kindergartens).

Rubber safety floors for schoolyards is a useful application, resulting from the recycling of end-of-life tires. These floors are:

➤ Functional and practical ➤ High Aesthetics

Corporate Social Responsibility (CSR)

The program runs every year through its Facebook page facebook.com /ecoelastika, entitled "SUBMIT YOUR SCHOOL - FREE SAFE RUBBER FLOOR CONSTRUCTION". This successful activity has demonstrated, through the messages received by ECOELASTIKA, consumers' interest for safety rubber floors resulting from the recycling of used tires (circular economy) which protect children from falling.

For 2021, floor construction from recycled tires has become:

➤ Kindergarten of Korifasi - Pylos Nestoros, Messinia

2nd Special Primary School Piraeus, Attica

Primary School & Kindergarten
Askyfos, Asfykos Sfakia, Chania, Crete

64 actions in schools in 7 years!





Schools in Attica



Schools in rest of Greece



B) Certification of the contracted collection points (tire repair shops) with the ECOELASTIKA sign for 2021-2022.

Strengthening the authorized network of Collection Points.

A valuable link in the chain of ECOELASTIKA's business model

New sign for the period 2021-2022 (it is renewed every two years)



ECOELASTIKA delivered to all tire repair shops that have accepted the terms of cooperation the new ecoelastikaspot for the years 2021-2022, which confirms that they belong to its list of contracted collection points' network.

The sticker is renewed every two years and is distributed at all the authorized collection points.

Incentives for ecoelastikaspots



C) "SEE THE SIGN & ENTER". "FIND THE SIGN & WIN".

Empowering the citizen's awareness for the beneficial management of used tires.

For the fourth consecutive year, ECOELASTIKA maximized its actions related to empower the relationship between citizens and tire repair shops.

Through these actions, ECOELASTIKA encourages citizens to always select one of the 3,422 contracted tire repair shops ecoelastikaspots, to replace their useless tires. With this choice, citizens contribute to the recycling of tires through ECOELASTIKA and to the protection of the environment.

ECOELASTIKA rewards all citizens who think and act ecologically through the "SEE THE SIGN & ENTER" "FIND THE SIGN & WIN" actions.

Incentives for citizens



D) Extra Actions. More information.

ECOELASTIKA was multifaceted and multidimensionally active in 2021 as well. More specifically, it designed and implemented an integrated omnichannel communication plan, using a mix of offline & online activities.

Having as main communication goal the information and engagement of all stakeholders, each activity contributed to further strengthening the update of governmental bodies and the ECOELASTIKA network. Also, a main objective was to educate the general population and specifically of citizens who own end-of-life tires.

- Sending an "e-Newsletter" on a quarterly basis to inform contracted tire and vehicle importers.
- Continuous updating of the website where ECOELASTIKA's activities are presented https://www.ecoelastika.gr/etairiki-koinoniki-eythyni/.
- Sending via email infographics to municipalities with qualitative and quantitative data on tire recycling per Municipality
- ➤ Newsletter
 - Website update

Social media

E-mail infographics



Science first!

We share Ideas. We exchange experiences. We are progressing.

In 2021, ECOELASTIKA participated in scientific conferences for the development of green innovation.

GreenTech Symposium 5-6/10 under the scientific supervision of the Economic Environmental and Sustainable Development Unit of NTUA. On the topic of supporting green innovation, ECOELASTIKA presented the important areas in waste management where green innovation can offer modernization and optimization solutions in both supply chains and utilization methods.

GreenTech Symposium 2021



We Modernize. We Improve. We Innovate.

ISWA World Conference 04-07/10.

ECOELASTIKA presented the RAP-ELT (RAP: Reclaimed Asphalt Pavement) project which aimed to study the possibility of increasing RAP's participation in the production of asphalt mixtures by virtue of the inclusion of rubber granulate, without the use of expensive regenerators with targets:

- The environmental and economic evaluation of the investigated practice for the utilization of rubber granulate and powder.
- The promotion of the method as capable of absorbing a significant amount from tire recycling, promoting even more environmentally friendly techniques compared to energy recovery.
- The proposal for the introduction of **national specifications** regarding the utilization of rubber granulate for asphalt modification.



Participation of ECOELASTIKA in the European Week (20-28/11/2021) for Waste Reduction (European Week for Waste Reduction, EWWR) at the invitation of HRA.

ECOELASTIKA, with the common goal of contributing to the further awareness of the general population, implemented an informative campaign on social media, during this time.

In addition, it created on its website exclusively for the hosting of EWWR a landing page https://www.ecoelastika.gr/draseis/eyropaiki-evdomada-meiosisapovliton-koinotites-kyklikis-oikonomias/ to fully inform the visitors of the page about reducing waste in their daily lives.

The results of the campaign he ran for this purpose were:











PLAY D CLICKS TO PLAY





LINK CLICKS: 1.140

17.840 19.089

IMPRESSIONS:



Go Social with constant information, social profile & incentives for the citizen and the ECOELASTIKA network!

Social Media 2021. The creation of enriched and engaging content on Social Media was a communication priority for ECOELASTIKA.

The reach with a large number of users as well as the interaction (engagement) with them was important in order to increase the awareness of ECOELASTIKA's work as well as to inform and educate the general population on circular economy issues (benefits for the environment, society and development).



Social Media Campaigns 2021

Social media campaigns	30	
Engaged users	189,3	Thousand
Post impressions	5,9	Million
Reactions	29	Thousand
Reach	8	Million
Post	63	
Post Reach	5,6	Million
Link clicks	169,2	Thousand
Daily avg clicks	596	Thousand
Engagement Rate	3,95	





154.000

Likes!



ECOELASTIKA's Social Media Campaigns' Objectives 2021

Increase Facebook friends by 8% compared to 2021

Strengthening the recognition of the ECOELASTIKA brand name as a non-profit organization that actively contributes to the protection of the environment, the improvement of people's quality of life as well as the development of the economy through active action and social responsibility

Further strengthening of its relationship with its wide exclusive partner network and all stakeholders (B2B)

Informing the general population about the tire repair shops that have the ECOELASTIKA sign, what it means and why it is necessary to select the cooperating **ecoelastikaspot** ECOELASTIKA achieved this through the thematic campaign **"FIND THE SIGN AND WIN"** where on a monthly basis it rewards the consumer for selecting the **ecoelastikaspot**

Communication and promotion of new applications, products and by-products resulting from the recycling of waste tires, (such as the use in road surfaces, rubber safety floors in schoolyards, playgrounds, sports grounds, etc.) to **improve the recycling rate with benefits for the environment, society, and the economy. In this way, the understanding of the benefits of end-of-life tire recycling is effective, "building" the knowledge in the new generation as well**

Informative knowledge with selected scientific articles and RAP-ELT research actions that add long-term value

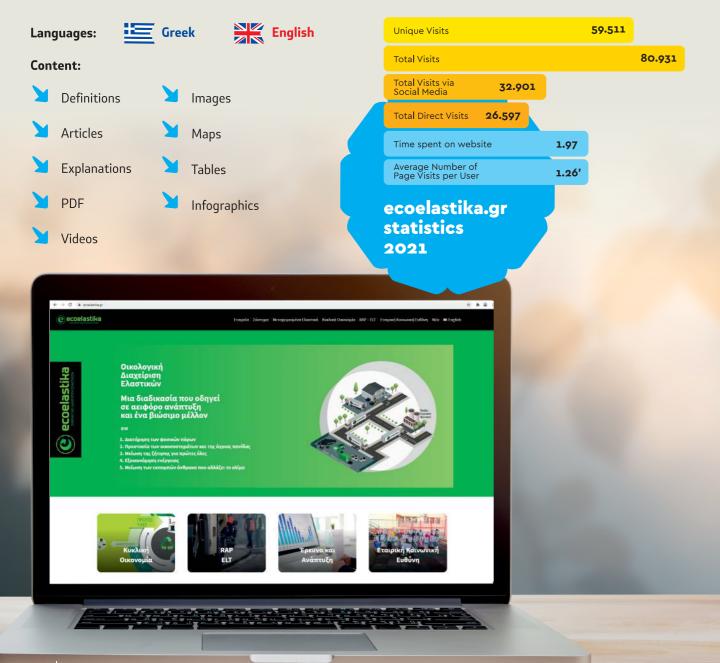


An exciting website!

www.ecoelastika.gr: Click on the green world of ECOELASTIKA!

ECOELASTIKA's website is constantly updated with new information regarding both the remarkable work and the integrated activities of ECOELASTIKA as well as general issues about the Circular Economy and end-of-life tires (e.g. new legislation).

In simple and understandable words, each section of the website is an excellent source of information so that everything is clear and easily accessible, giving the user a high level and aesthetic navigation experience.



Annex





Tire Importing Companies

AFOI KIOUTSOUKOYSTA GP
AFOI MAGGOLI GP
AFOI N. PIREIDI GP
AFOI NTAKOUDI SA
AFOL SADACAKUSA
AFOI SARACAKI SA
AFOLISCALIDOMALLICE
AFOI ZGOUROMALI GP
AFTOKINISI SA
AGGELIDIS B. SA AUTOSTRATA
AGORA D C IMP EXP PC
AGROELASTIKI PC
AIBAZIDIS DIMITRIOS
AKRITAS SINGLE MEMBER PC
ALEXANDRAKIS HARALAMBOS
ANAGNOSTOULIS P. & CO GP
ANATOLITIS SINGLE MEMBER SA
<u>ANDREADAKIS SA</u>
ARINA PC
AUTOMOTIVE SOLUTIONS SA
AXIOTIS PLOUTARHOS
BEST CHOICE TYRES
BMW HELLAS SA
CAR PART EXPERTS PC
DELIGIANNIDOU DIM. VALENTINA
DELTICOM GP SRL
DERMITZOGLOU SPYRIDON
DIMITRA SA
DIMITRIADIS CHR. STAVROS - MOTO LOCO
DODOURAGAS DIMITRIOS
DRIMEA LTD
ELASTIKA MICHELIN SINGLE MEMBER SA
ELASTIKA ASPROPYRGOU LTD
ELASTIKA BASILEIADIS SA
ELASTIKA GROUP LTD
ELASTIKA PAPADOPOULOS SA
ELASTIKA PIRELLI SA
ELASTIKOEMPORIKI SA
ELASTRAK SA
ELEFTHERIOU SA
ELMASA
ELVE ELASTIKA SA
EMA SA
EMVOLIADI AFOI GP
ERGON TZANIDAKIS LTD
EUROTYPA LTD
FALIERIS & CO GP
FDN MARATHON TIRES SA
FILIS ANDREAS SA
FOTIOS ZAHARIOUDAKIS SA
FRAGOULOPOULOS D. LTD

GARDANOS ASTERIOS & SONS GP	
GATZIOULIS ATHANASIOS & CO LP	
GAVALEKAS CONSTANTINOS	
GKIOULE GEORGIA - MALAKASA TYR	RES
GOLIAS D. VASILEIOS	
GONTOSIDIS A. & D. SA	
GOODYEAR HELLAS SINGLE MEMBE	R SA
GORGOLIS SA	
GOUTZAS VAS. ATHANASIOS	
HAMPOUDANIDIS CON. ANASTASIO	S - PETRANA
HARALAMPIDIS HARALAMPOS	
HATZIGIANNAKIDIS GEORGIOS	
HRISTOFORIDIS TH. HRISTOFORIDIS	
HRISTOPOULOS K. ILIAS	, D. G.
ILIOPOULOS K. LTD	
IMC GROUP SINGLE MEMBER PC	
INFO QUEST TECHNOLOGIES SINGL	E MEMBED SA
INTERCARS GREECE SINGLE MEMBI	
INTRAMOTO SA	IN ET D
HOT WHEELS	
KALOGERIDIS GEORGIOS LTD	
KALOPOULOS DIMITRIOS	MEMBERITO
KALOSAKAS HARALAMPOS SINGLE	MEMBER LID
KALPAKIS ATH. FOTIS	
KALPAKIS F. & SON GP	A/AV
KAMPRANIS GEORGIOS SA - MOTOV	VAY
KAPETANIOS GEORGIOS SA	
KAPITALI CHRISTOU SONS SA	
KAPSALIS PANAGIOTIS	
KARANIKOS TH. & CO GP	
KARANTONI A. & CO GP	
KARAVASILIS CHR. GEORGIOS	
KAVOUKIS N. MICHALIS & CP LP	
KEHIDIS K. PC	
KESISOGLOU N. SA	WALLE TO ANTA 6 VA A OF
KESTEKIDIS TRIANTAFYLLOSKEΣΤΕ	ΚΙΔΗΣ ΤΡΙΑΝΤΑΦΥΛΛΟΣ
KIOUPIS A. & CO GP	
KOKKALIS LEONIDAS & DIMITRIOS (<u>1</u> P
KOKKALIS DIMITRIOS	
KOSMOCAR SA	
KOUFIDIS P HAMPOUDANIDIS A. L	
KOUKOUGIANNIS D. NIKOLAOS & CO	J GP
KOUKOULAS ALEX. A.	
KOUKOUFINOS DIM. ASTERIOS	
KOUSIDIS DIMITRIOS	
KOUTELIDOU B. AIKATERINI	
KOUTOUSIS P. & TH. GP	
KOUTSIMANIS GEORGIOS	
KOYTSONIKOLA SPYRIDOULA & CO	LP
KYKLOPODILATIKI SA	
KYPRAIOS SOT. GEORGIOS «TROHOI	KINISI»
KYROY CONSTANTINOS	

LALAQUINIS NIIVOLAGS
LALAOUNIS NIKOLAOS
LAMPOUDIS P. ANTONIOS
LAMPROPOULOS ELASTIKA SA
MAGGANARIS MICH. ANASTASIOS
MANIATOPOULOS NIKOS SA
MARGARITIDIS PAN. NIKOLAOS
MARTIDOU ELISAVET SINGLE MEMBER PC -
PAUL DYNAMIC SINGLE MEMBER PC
MARTSOPOULOS EM. ALEXANDROS
MAXIM KALTSIDIS ELASTIKA SA
MAXXIS INTERNATIONAL HELLAS SA
MEIDANI E. & CO GP
MEIDANIS IOANNIS SA
MEIDANIS SOFOS ELASTIKA SA
MEMETOGLOY AMET
MEMETSIK EKREM
MERCEDES-BENZ HELLAS SINGLE MEMBER SA
MERESENTZI K. & D. GP
MICHOGLOU CHR. & CO LP
MILANOS SA
MITSI LAZ. ANASTASIA
MMT TYRES TSAKONA MARIA-MIRANTA
MODENA ENGINEERING PC
MORAGLIS SA
MOTO TREND SA
MOTODIKTIO SINGLE MEMBER SA
MOUKOU D. KALIOPI
MPAIRAKTARIS ATHAN. DIMITRIOS
MPALOGIANNIS CHR. ANTONIOS
MPAZIOS & CO GP
MPEZAS S LEON M. PC
MPOURAS NIK. PANAGIOTIS
MPOURLIS I. SA
NASOPOULOS NIKOLAOS
NIKOU CHR. DIMITRIOS SINGLE MEMBER LTD
NOUSIS N. IOANNIS
NTELIS AGG. DIONISIOS
PAGALIDOU PAVLINA
PAHIDOU GEOR. EVAGELIA
PANELASTIKI ELASTIKA SINGLE MEMBER LTD
PAPADIAMANTIIS SINGLE MEMBER PC
PAPAGEORGIOU KONSTANTINOS
PAPASPYROU TH. & CO GP
PASHALIDIS CON. STYLIANOS
PATMANIDI MARIA SA
PELMA SA
PEPPAS MILT. EPAMEINONDAS
PERIFEREIAKI ELASTIKA SA
PETOUSIS B. SA
PETRINTZIKLI N. PANAGIOTA - TYRE MONKEY
PETROPOULOS PETROS SA
PIAGGIO HELLAS SINGLE MEMBER SA

PRASSOS PANAGIOTIS & CO GP PROMETEON TYRE GROUP SRL	
PROMETEON TYRE GROUP SRL	
PYRRIS D. SINGLE MEMBER LTD	
RAFAILIDIS S. ANASTASIOS	
RAFAILIDIS STEFANOS	
RODA SA	
RODA SINGLE MEMBER LTD	
RODA SINGLE MEMBER PC	
SAGAIIKA FOTOVOLTAIKO PARKO LTD	
SEMERTZIDOU STYLIANI	
SIOHAS VAS. ANTONIOS	
SKAMA SA	
SPATHARAS ALEXANDROS PC	
STATHOPOULOS B KAFKAS I. GP	
STAVRAKIS SA	
STERGIOU SONS NTALOU GP	
SUPER TIRE SERVICE SA	
SYMEONIDIS THEOFANIS & CO GP	
SYRKELIDIS PASHALIS	
TAFAKIS ANAST. DIMITRIOS	
TENORA TACNHIKI SA	
THEMELIS MANOLIS	
THEOCHARAKIS SA	
THEODORIDIS I. & CO ELASTIKA PC	
TIRES-PRO PC	
TOPALIDIS TH. SA	
TRAXION ELASTIKA SINGLE MEMBER PC	
TRIANTAFYLLIDIS STYLIANOS	
TROHOEPIDOSI LTD	
TSAKIRIDIS KYR. EFTHYMIOS	
TSEKOULIAS SA	
TSERKEZOS PANAGIOTIS & CO GP	
TSETIS DIM. VASILEIOS	
TSETIS PASHALIS	
TSIAKALOS M. IOANNIS SINGLE MEMBER LTD	
TSIANTOULIS SA	
TSIGELIDOU HARAL. EFTHYMIA	
TSIOUTSIOULI CHR. MARIA	
TSITOURAS G. NIKOLAOS	
TSITSIKLIS B. & CO LP	
TSOULKA ELENI SINGLE MEMBER PC	
TZOULKAS IOANNIS	
VARDAKOSTAS K. GEORGIOS	
VAVATSIS EVRISTHENIS	
XANTHOPOULOS DIMITRIOS	
XENAKIS CRISTOS	
XOURAS SPYR. EVAGELOS	
YIAMPANIS A MASTOROUDIS P. GP	
YIANNOUDIS AST. GEORGIOS KING TIRES	
ZONKE ALEXANDRA "PIT STOP"	
ZOTAS ARISTEIDIS	







Vehicle Importing Companies

A. ISMAILOS SA
AFOI KOLYMPIOTI & SONS GP
AFOI LIAPI SA
AFOI SARACAKI SA
AFOI SIBRI GP
AIGLON SA
ALEXANDRIDIS S. & B. GP
ANTONITSIS GEORGIOU PANAGIOTIS
APOSTOLOPOULOS ILIAS & CO GP
ARGYRIOU PANAGIOTIS
AUTOMOTIVE SOLUTIONS SA
AUTOONE SINGLE MEMBER SA
BMW HELLAS SA
CAR CENTER - ELITE CAR GP
CHEVELLAS SA
DIMCO SA
DIMITRIADIS CHR. STAVROS - MOTO LOCO
DIMITROULIAS ARIS
ECOSUN LTD
ELIOFIL SA
ERGON ΤΖΑΝΙΔΑΚΗΣ LTD
ERGOPOLIS 3A PC
ERGOTRAK
FCA GREECE SINGLE MEMBER SA
FILIS ANDREAS SA
FLAMIATOS GERASIMOS SA
FORD MOTOR HELLAS SA
GENESIS SA
GORGOLIS SA
HRISTODOULOU G. TZANIDAKI B. GP - DOMICAT
HYUNDAI HELLAS SA
INTERTRAK LTD
IOANNIDIS A. & F. SA
KAMPRANIS GEORGIOS SA - MOTOWAY

K-MOTORS SOUTH EAST EUROPE SA	
KONTELIS PAVLOS I. SA	
KOSMOCAR SA	
MALAMIDIS ATHANASIOS	
MAN HELLAS SA	
MERCEDES-BENZ HELLAS SINGLE MEMBER SA	
MICHOPOULOS G SEITARIDIS G. GP - M&S LADA GROUP	
MIETSEL SA	
MIHALATOS A. & CO GP	
MOTODYNAMIKI SA	
MOTO TREND SA	
NOYLIKA N. SONS GP	
OPEL HELLAS SA	
PETROPOULOS PETROS SA	
PIAGGIO HELLAS SINGLE MEMBER SA	
PLEIADES MOTORS SA	
POLIS INCHAPE ATHENS SA	
SFAKIANAKIS SA	
SIDIROPOULOS AHILLEAS SA	
SIOPIS ANT TRYFFINOPOULOS POL. GP - JOHN DEERE	
SY.DI.AP. SINGLE MEMBER LTD	
TEHNOKAR SINGLE MEMBER SA	
TEOMOTO SA	
TEOREN MOTORS LTD	
TESLA GREECE SINGLE MEMBER PC	
THEOHARAKIS NIK. I. SA	
TOYOTA HELLAS SA	
TRIDENT CARS SA	
TSEKOURAS SA	
UNITRACK SA	
VOLVO CAR HELLAS SA	
VOURDOUNAS SA	
ZISIS D. ZIOGAS	

Collectors - Transporters

GO GREEN RECYCLING PC AGGELOS SOTIRIOU & CO GP ANAKYKLOSI AIGAIOU HYTIRIA SA

MARATHOS G. – DRAGANIS ST. GP

KATSAROS PANAGIOTIS SA

NTOULIS MATTHAIOS & NIKOS GP PAPPA EVGENIA & CO LP

CHRISTOFOROS KERIDIS SA

Recovery Units

BIOTROHOS SA PERME HELLAS SA



ANNUAL REPORT

2021



