



T-Trade Group
SCIENCE FOR FUTURE



Designing the future  is our Nature



The Sustainability Profile

Summary

T-TRADE GROUP	pag.4
WHAT DOES T-TRADE GROUP DO.....	pag.5
GOVERNANCE.....	pag.6
MISSION AND VISION.....	pag.7
T-TRADE GROUP'S VALUE.....	pag.8
STAKEHOLDERS.....	pag.11
THE CONCEPT OF SUSTAINABILITY BY T-TRADE GROUP	pag.14
CERTIFICATIONS AND AWARDS.....	pag.17
PARTNERSHIP.....	pag.19
THE MATERIAL ISSUES	pag.22
DIVERSITY AND WELLNESS IN THE WORKPLACE.....	pag.23
HUMAN CAPITAL DEVELOPMENT AND THE GROWTH OF INDIVIDUAL SKILLS.....	pag.25
HEALTH AND SAFETY.....	pag.26
SUPPLY CHAIN.....	pag.27
ENVIRONMENT	pag.28
IMPACT ON LOCAL COMMUNITIES	pag.31
T-TRADE GROUP'S BLUEPRINT	pag.33





NOTE TO DOCUMENT

- In Italy, as of 2017, a Non-Financial Statement, also known as a Sustainability Balance Sheet, must be prepared by Public Interest Entities that have an average number of employees of more than 500 during the fiscal year and have balance sheet assets of more than 20 million euros, or total net revenues from sales and services of more than 40million euros (D.Lgs.2016/254).
- In application of the July 4, 2019 Ministerial Decree "Adoption of the Guidelines for the Preparation of the Social Report of Third Sector Entities," the Sustainability Report is also mandatory for Third Sector Entities.
- As of 2024, the requirements to publish a Sustainability Report are extended to all companies with more than 250 employees, an annual budget of more than €43 million, and a turnover of more than €50 million.
- T-Trade Group, in fact, is not obliged to draw up a Sustainability Report, but the path it has taken since its birth, its innovative and visionary nature, and the attention it has always paid to topics such as the environment, ethics and safety have led the company, in the most natural way, to have the need to express externally what it has done, is doing and intends to do in the near future in relation to these issues. To achieve this goal, the most suitable tool is precisely the Sustainability Profile, inspired by the most widely recognized reporting principles through the GRI standards published by the Global Sustainability Standards Board (GSSB).



T-Trade Group

T-Trade Group designs and manufactures complete labeling, industrial marking and packaging solutions. It follows the labeling of the product from its birth, to packaging, to transportation, to its final use or placement.

What makes T-Trade Group unique in the international scenario is that it manages the entire labeling supply chain:

from thermal transfer ribbon to labels,
from printing systems to technical support,
from printing raw materials to digital platforms for product traceability,

designing and producing everything in house.

Thermal transfer ribbons, labels, printing solutions, digital solutions are the result of study and design and then in-house production.

Readers, handhelds, etc., consumables and packaging machines, on the other hand, are products for which T-Trade is a distributor.

Managing the entire labeling supply chain is a very important strength because it allows T-Trade Group to find perfectly customized solutions for every type of customer need, in total and complete integration.

All this is done through what are the pillars of T-Trade Group's business philosophy:

- PLANNING
- PRODUCTION
- PRODUCT INTEGRATION
- PERSONALIZATION
- QUALITY
- INNOVATION
- DIGITALIZATION
- SUSTAINABILITY



3 Branches in Italy



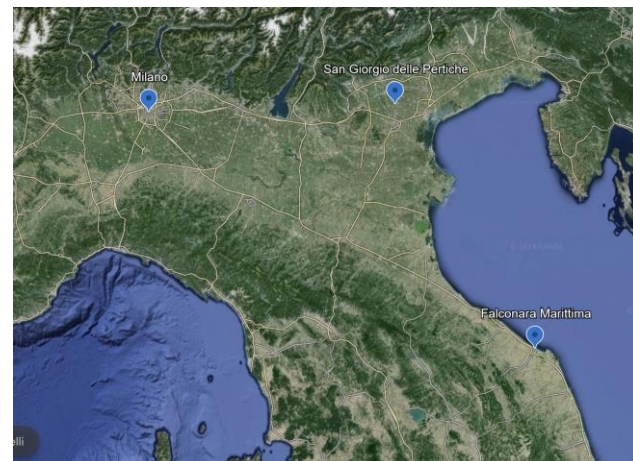
39 employees



18 patents



Turnover of 9,7 million euro in 2022 of which 8% invested in research and development



Cosa fa T-Trade Group



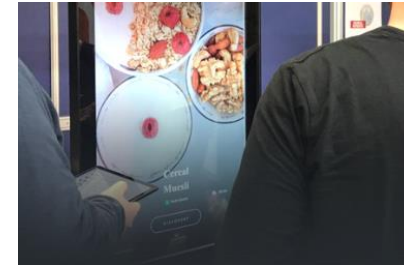
Production of Thermal Transfer Ribbons



Production of neutral labels and linerless rolls



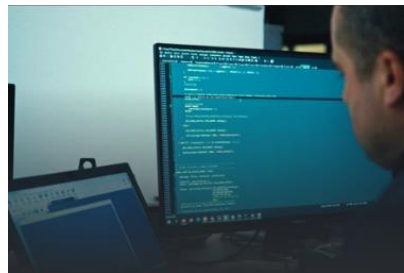
Production of linerless rolls



Production of Hardware, Firmware, Software and digital solutions



Distribution of printing and scanning solutions



Technical assistance

Furthermore, create and markets solutions and packaging consumables.



Governance

Governance is the set of bodies, rules and procedures implemented to pursue the company's goals and manage its activities effectively.

T-Trade Group has undergone a corporate reorganization that now includes the companies Transfer Trade and We Care Group.

Lesser companies have been absorbed over time by Transfer Trade, the parent company of the Group. Transfer Trade is a Limited Liability Company whose ownership is divided between the two partners, Enrico Friziero and Enrico Leonardi.

Joining the Partners is Special Attorney Dalila Giacchetti.

The total share capital is 144,000.00 euros.

Both partners, in addition to the special attorney, play active roles within the company and work alongside employees on a daily basis.

Enrico Friziero, a founding partner, is managing director and directs the company in all its various aspects while Enrico Leonardi is Regional Manager and personally takes care of the business activities.

Dalila Giacchetti oversees the Financial Management, Human Resources, and Purchasing Management.

Management exercises command and commitment to the running of the company with the responsibilities that go with it, ensuring the resources necessary for the maintenance and improvement of all processes.

It is management that plans strategies by adopting appropriate policies and objectives accordingly, which are then communicated to all levels of the company. As for the corporate structure, management implements timely control, by virtue of the roles described above, over the entire organization and provides daily incentives for other management roles to demonstrate leadership in their respective areas of influence.



Mission e Vision



**Research, develop, produce, distribute
under the name of sustainability**



**Offering solutions for the ethical, human- and
environment-friendly labeling of the future**



T-Trade's Values

The Values in which T-Trade Group believes form the foundation of all company relationships, both internal and external, with customers, partners, suppliers and local communities. The company resorts to these Shared Values to guide its conduct and direct its choices toward the achievement of set goals. An excerpt from the Company's Code of Ethics follows:



INTEGRITY: the highest standard of morality

We need to be honest with each other and be brave. We are committed to a high standard of business behavior and ethical practice in all business endeavors. We also need to meet our commitments, admit our mistakes and learn from them. We are responsible of the result we gain and obtain. We know that our reputation directly depends on the behavior of each one of us and we take great care to make T-trade a trustworthy brand.



PERFORMANCE: Commitment to performance perfection.

Our commitment is to a high level of performance in all functions. We must take personal responsibility for the success of our company and work together for continuous improvement and excellent returns. We must provide the highest quality products and services to our internal and external customers. We understand that profitable growth is the necessary tool not only to be able to develop new business solutions for our customers and create opportunities for employees, but also to reward employee trust and performance.





CUSTOMER DEDICATION: strong focus on our client and their success

We have a genuine interest towards our clients and we constantly work hard to best serve them. We examine their markets, study their specific goals and targets and we offer solutions capable of adding real value to their business. We need to work as a team, welcoming into our team the clients themselves, in order to make the most of our ability to deliver the highest possible value. We need to react to the demands of clients and strive to establish long-term relationship thanks to a constant supply of quality, innovation and commercial value that meets or exceeds their expectation, bar none.



INNOVATION: constant search for innovation

We must be constantly on the lookout for making innovations and improvements regarding the process and technology. Throughout our story, we clearly have always known the potential of new ideas to direct them in favor of our clients. It is this ability of T-Trade to connect that distinguishes our company and increases its leadership. Now and in the future, the engine of our success is and will always be boosted by Innovation, whether it concerns our research on new and always more efficient managing system or new and dynamic technologies we provide to our clients.



RESPECT AND COLLABORATION: mutual respect, teamwork

Our business relationships are based on mutual trust and mutual respect, giving a fair recognition to the contribution of each member of the T-Trade team. We recognise and appreciate the capabilities, competencies and the prospectives that each individual can play in managing difficulties or the opportunities. We also know full well that only all together are we capable of achieving great goals. Our communication will be always based on loyalty and openness, internally as well as externally with our clients, partners, suppliers and community in which we live and work.





RESPECT OF NORMS AND LAWS: Utmost care to ensure the safety of the final customer

We are committed to respecting the constraints and requirements of the law regulating the organization and products, paying particular attention to guaranteeing the respect of specific products category rules, such as MOCA products (Food Contact Material), contributing to the health and safety protection of the final consumer.



ENVIRONMENTAL PROTECTION – A constant, ongoing effort towards sustainability

We are committed to developing and fostering innovation and the sustainable growth. It is a daily commitment that is also supported by the implementation of a responsible and eco-friendly policy that allows the use of raw materials with low environmental impact and chemical free. For us, the environmental protection is the key element of innovation and product development. All our efforts for sustainability are fully visible in solutions already developed and proposed on the market, which has detected and will surely keep detecting the importance of our work.



ATTENTION TO THE TERRITORY– A sustainable company involved in the territory

We contribute to the development and welfare of our area and community where the company sites are located, adhering to local initiatives, promoting public events, offering our help for any need. We seek maximum integration with the territory and community and try to establish regional synergies to create shared value for a common well-being.



Key Stakeholders

- **Ownership, partners**

The need and also the expectation of the ownership and partners is the well-being, prosperity and continuity of the business. This relates directly to the satisfaction of the customer and all stakeholders. A further prerogative of management is the demonstration of professionalism and commitment of workers, as well as their cohesion and satisfaction, the result of recognition of the efforts implemented by the company for their well-being. Another goal is recognition by all stakeholders, first and foremost customers, local communities and the supply chain, of the level of environmental sustainability achieved, which is the result of numerous corporate efforts, both in terms of research and development and management.

- **The Customer**

The customer's expectations of T-Trade Group are not limited to compliance with supply requirements and therefore quality, cost, and delivery time, but include adequate communication, prudent and rapid resolution of any problems, support in the management of regulatory and legal requirements on which T-Trade Group is always prepared to respond. All this results in a highly professional partner in whom the client can have the utmost confidence. Added to this is the great attention to environmental and social sustainability, true hallmarks of T-Trade Group. All this means that in the target market, finding alternatives is no easy task.



Key Stakeholders

- **The staff and employees**

The T-Trade Group team is full of young people, but at the same time it is historic and it is almost impossible to see any departures related to company management.

What the staff and collaborators expect, and find, is that the company has ethical and proper human resource management.

Another expected aspect is the provision of training, both mandatory and non-mandatory, to maintain adequate levels of knowledge about the processes and activities performed, but also to allow growth at the individual level. The T-Trade Group is always willing to promote such fundamental activity (including through the use of innovative tools), aimed at both skills enhancement and occupational health and safety issues.

- **Suppliers and contractors**

Suppliers and contracts represent remarkable stakeholders; the quality offered and the right management of clients services depend on them. T-Trade tries to build partnership with suppliers and collaborator that go beyond a mere

Their expectations and needs, related to commercial aspects, upon payment submission and a highly precise communication and supporting documentation, are always respected.

All this being said, T-Trade expects the same care and attention by suppliers and collaborators. For this reason, the supplier code of conduct and all company policies that define the company's expectation towards them, are made available by T-Trade. The selection of suppliers relies also on the ethical, environmental, health and safety of workers evaluation.



Key Stakeholders

- **Banks and credit institutions**

Requirements and expectation of Banks and Credit institutions are mainly focused on the financial strength, all that concerns the managing of the business continuity with particular reference to the risk based thinking approach. Those aspects directly reflect themselves on the assigned rating and on the relative solvability in the financing. T-Trade Group, thanks to the strategic approach applied, has never had problems with the stakeholder relationship.

- **Government Agencies, Public Administration, Regulatory bodies**

Requirements and expectations of Government Agencies are mostly connected to the respect of all rules applicable to T-Trade Group but are also linked to the co-operative seeking and partnership for local community well-being.

- **Territory and Local Community**

T-Trade works closely with the surrounding territory and local communities. The company supports many civic initiatives and local sports teams. The wealth created by T-Trade Group provides a unique value to its environment that goes beyond the common corporate expression, investing into the preservation and of historical and cultural buildings and traditions. The project of Castel d'Emilio , described in detail below, is an example of this commitment to the territory.

Territory and community's expectations related to the pollution prevention of any kind and to the protection against catastrophic events, are held in high esteem by the company.

- **Other stakeholders**

Besides the main Stakeholders, due consideration is given to competitors, reseller and distributors, non-governmental organisations, trade unions, University, schools and research institution, trade associations, local trade not directly connected to the company's sector and the nearby commercial activities.



**The concept of
sustainability by
T-Trade Group**





Talking about sustainability is complex: sustainability does not have to be a nice empty word, it has to be real, usable, and, while dropped into a daily business routine that is difficult for anyone, it has to be fact-proof.

Sustainability is the rudder that has governed T-Trade's corporate course since its founding.

The path taken by T-Trade has led to tangible, demonstrable and affordable results; the solutions developed and proposed to the market have costs aligned with standards and offer a great advantage: allowing those who choose them to be able to declare themselves a Sustainable Company.

The company vision revolves around the concept of sustainability in the round, encompassing economic sustainability and business continuity, ethical sustainability and environmental sustainability.

Sustainability thus runs across all of T-Trade's activities, from design, to production, to sales, passing through research and development, relationships with suppliers, employees, collaborators, customers and stakeholders...

Translated into T-Trade's products, sustainability is, for example, thermal transfer ribbons that are free of elements that are toxic to humans and the environment; labels that come from responsible resource management; research and development and then production of organic labeling solutions; production of innovative printing solutions that eliminate the use of paper; and continuous investment in order to propose the labeling of the future that is friendly to humans and the environment and increasingly imbued with ethical values.



T-Trade Group and the Sustainability

Sustainability is the rudder that regulates the course of the T-Trade since his foundation and influences all processes and activities.

- **Values:** integrity, high performance level, dedication to our: these and many others are the values of T-Trade, manufacturer of industrial labelling leader.
- **Quality:** T-Trade adopts a certificated task management system that guarantees high standard products-services to the customers and high quality in all company processes.
- **Environment – Society – Governance:** researching, development, producing and shipping in the name of sustainability, this is the philosophy that guides T-Trade Group.
- **Certification and Awards:** ISO 14001:2015, FSC, ECOVADIS. The guarantee of our scrupulous care to the sustainability of processes and products.
- **Company policies:** T-Trade is a well organized company, where the operative principles follow the official company policies: T-Trade Group is synonymous of guarantee in all processes.



Certificazioni e Riconoscimenti

Every solution designed and proposed by T-Trade Group starts from scrupulous R&D and then follows strict Quality control rules, starting from raw materials to the final product. The utmost attention is paid to both the technical characteristics and the safety of individual items, as well as the environmental, economic, and social impact.

ISO 9001
ISO 14001

BUREAU VERITAS
Certification



T-Trade Group has an ISO 9001 and ISO 14001 certified Quality Management System, the latter guaranteeing proper environmental management systems.

ISEGA

Some thermal transfer ribbons have ISEGA Certification guaranteeing their suitability for food contact.



Printed labels that must withstand abrasion and degradation from light, salt spray and sand boast the guarantee of GHS/Bs 5609 Certification, the ultimate safety in chemistry.



Materiali e oggetti
destinati a venire a
contatto con gli
alimenti
(MOCA)



Labels that are to be in contact with food enjoy the MOCA (Materials and Objects in Contact with Food) Declaration of Conformity. T-Trade has been authorized by Asur to produce MOCA items.



Certification and Awards



Il marchio della
gestione forestale
responsabile

T-Trade is FSC (Chain of Custody) certified: this certification guarantees that paper products are made from materials from responsibly managed forests.

The newly updated FSC standard also requires compliance with precise ethical requirements.

T-Trade products also ensure compliance with all major directives dictated by regulations (Rohs, Reach, TSCA, etc.).



T-Trade awarded Cribis Prime Company for commercial reliability



Ecovadis has awarded T-Trade Group with the sustainability **Gold Medal**.

Lastly, T-Trade has patented innovative solutions and **Industry 4.0** certified printing system.



Partnership

T-Trade Group has forged many “partnership” with institutions and organizations.

MARCHE POLYTECHNIC UNIVERSITY:

The collaboration between T-Trade and UnivPM is long-standing and focuses on research, design, and development of smart, innovative, digital, sustainable printing solutions that are Industry 4.0 certified and now projecting towards 5.0. It is with UnivPM that T-Trade has developed those projects that have led to numerous patents, some of them worldwide. This partnership continues, with the intention of always seeking new cutting-edge solutions and producing those labeling systems of the future, ethical and friendly to man and the environment, which T-Trade declares in its Vision.

Consequence of this collaborative relationship then, are T-Trade's various participations in educational and/or public initiatives organized by the Department of Management of the UnivPM, involving young people enrolled in university courses, with whom T-Trade constantly dialogues to bring concrete examples of how entrepreneurship can marry with sustainability.

The case of T-Trade Group in a Master's Thesis

As a evidence of the strong link with UnivPM, the Master's Thesis of the Sustainability and Circular Economy Management Course "Sustainable industrial development in companies: technological innovation applied to sustainability. The case of T-Trade Group," written and discussed by Marco Baldoni on October 14, 2023 (110/110 with honors). T-Trade Group has forged many "partnerships" with institutions and organizations.



UNIVERSITÀ
POLITECNICA
DELLE MARCHE





Partnership



TECNOALIMENTI:

T-Trade is a technological partner and member of CDA di Tecnoalimenti, the technological and scientific research organization structured in the form of non-profit consortium company. The CDA Tecnoalimenti inspires, coordinates and develops research projects of agri-food industrial interest.

Tecnoalimenti is a main hub of innovation and consists of 31 companies in synergy with the Minister of Research. It represents a unique entity in Europe as it brings together a wealth of vertical (supply chain) and horizontal (technologies) expertise in the food & beverage sector. This is where policies of the industry are decided, the result of a collaboration of ideas and projects among the partners.



T-Trade in the working group that drafted UNI/PdR 158:2024 for the reduction of microplastics in food production and distribution activities

For a cleaner, healthier, more livable planet. For more conscious and sustainable companies.

The Reference Practice "*Guidelines for the reduction of microplastics emissions in food production and distribution activities*" UNI/PdR 158:2024 was published on January 11, 2024.

T-Trade Group also took part in the drafting group, coordinated by UNI Ente Italiano di Normazione and Tecnoalimenti S.C.p.A.





Partnership



AGRIFOOD MARCHE:

T-Trade is a partner of the Cluster Agrifood Marche Association (CL.A.N), the aggregation of the four Marche University (UNIVPM, UNIMC, UNICAM, UNIURB) and 54 local authorities including the research centers, small, medium and great business and category association, that cooperate to satisfy the needs of innovation throughout the entire food production chain.

The main goal for Cluster Agrifood Marche is to stimulate the dialogue among the several partners in order to promote innovation and increase competition both in the agricultural sector and in the entire agro-food supply chain, including all its components until distribution and consumption.

TERRA INSTITUTE e TRENTINO DEVELOPMENT:

During 2021, T-Trade was chosen as a case of study for the «Circular Re-Thinking» Project promoted by Trentino Development, Terra institute and Materia Rinnovabile. The Circular Re-thinking is an innovative path of specialization, where cooperative projects, business strategies and training combine in response to environmental, the economical and social challenges of a constantly evolving world of industry. The goal is to provide the right competences to the future specialist of the circular economy. In 2021 edition, T-trade was the case of study and the starting point for the participants, who have discussed about the T-Trade projects and exchanged views on development proposal with the company management.



AGRIFOOD MARCHE
Food Farming Innovation Cluster



TRENTINOSVILUPPO
IMPRESA INNOVAZIONE MARKETING TERRITORIALE



The Material Issues



The main material issues for T-Trade are deepened in the following paragraphs, through a sustainability performance reporting exposed via the reference to certain GRI Standards.

DIVERSITY AND WELL-BEING OF EMPLOYEES

T-Trade Management believe that the contributions of all workers, collaboration, professionalism, creativity and respect are the main elements that lead companies to great results.

People who work at T-Trade Group are much more than employees, are literally part of the company and together with it constitute a team capable of giving rise to competences, knowledge and diversity of each individual.

For this reason T-Trade Group ensures a motivational and safety workplace, investing in the personal development as well as the professional of each individual, thanks to projects and training path and a flexible organization focused on the needs of all employees.

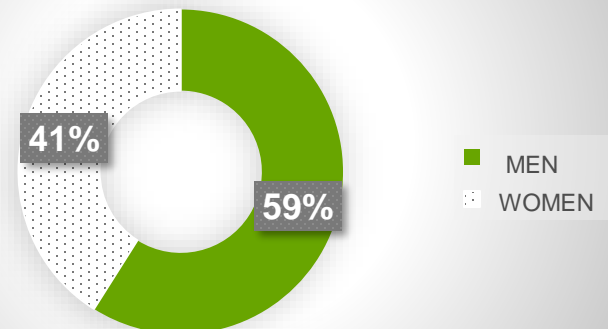
T-Trade fights against all kinds of discrimination, as reported by the ethical company code, whether linked to sexual, religious and political orientation.

The careful attention the company pays to these aspects values its dignity and create a strong and ethical context where people operate to generate wealth and reach extraordinary results.

T-Trade Group has a well balanced gender composition. This equal composition is not the result of a strategic choice but of a meritocratic selection of the employees.

It's also interesting to note that **78%** of the management roles are held by women.

Gender Composition





The **stabilization of contracts** is one of the main factors to ensure serenity among the employees at T-Trade Group. These dates speak for themselves

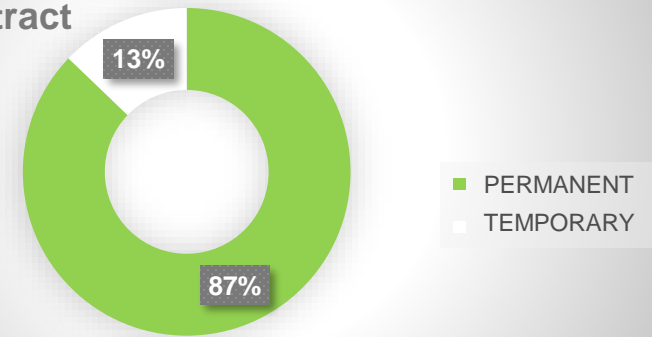
The **individual needs are heard** and, if possible, the company seeks to accommodate part-time requests. There is a **strong interest to the personal needs**, as well as business needs, perhaps coming from particular family issues.

The company has a well-built local staff as can be seen from the third chart; nevertheless there is space for every valuable individual in the company, regardless their backgrounds.

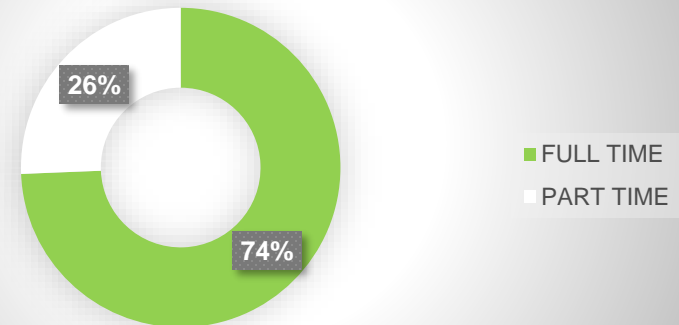
The 2022 an Ukranian profile, fleeing the ongoing conflict, has been hired by T-Trade; In the following month the husband had the chance to join his wife and start working in T-Trade too.

Furthermore, Chinese employees have been working together with the Italians for years, showing a stunning example of integration.

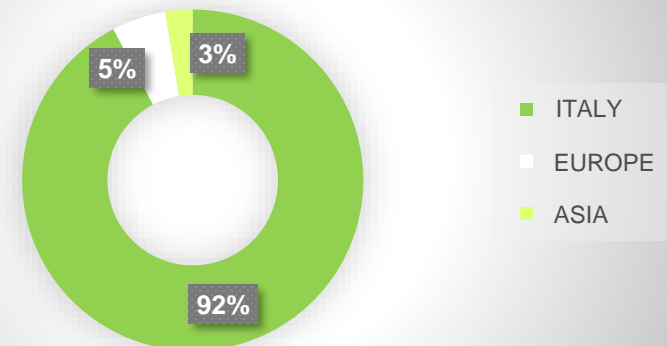
Percentage of permanent-temporary contract



Part time VS Full time



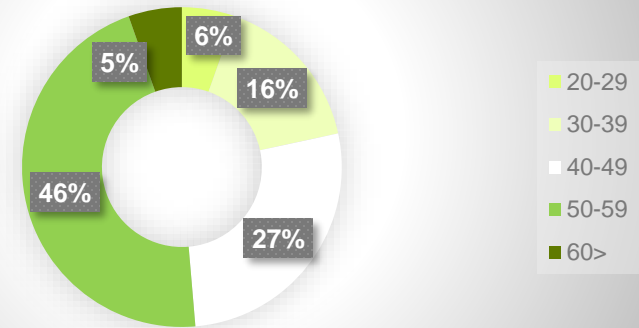
Geographical distribution of the staff





Employees of different ages and low staff turnover are proves of a pleasant business atmosphere.

Employees range of age



HUMAN CAPITAL DEVELOPMENT AND THE GROWING OF INDIVIDUAL SKILLS

Training is a crucial point on which revolves the relation to the human capital of T-Trade. Other than mandatory courses, performed on a regular basis, T-Trade Group believes in the importance of the individual development. For this reason, offers to all managers, employees, collaborators also non-mandatory courses for a continuous development of personal skills and therefore of the business performance and for the creation of confidence climate and collective serenity.

243 Training Hours

of which **235** of Mandatory Training

93 Training hours of ESG themes



HEALTH AND SAFETY

In order to ensure and promote the health and safety of its people, T-Trade Group has adopted a management system of the provision of the law, firstly those flowing from the « Consolidated Work Safety Act» (Legislative Decree 81/2008), that results effective and efficient. The efficiency on all business processes and the sensibility on this theme sprung from the company culture, have led to excellent performance over the last years. T-Trade Group has an extremely low number of injuries (two low entity injuries in the last five years).

	2023	
	n.	rate
Numer and rate of death as a result of injuries in the workplace	0	0
Numer and rate of serious injuries in the workplace	0	0
Numer and rate of minor injuries in the workplace	1	18
Total amount of hours worked	54.468	
Number of working days missed for injuries in the workplace	7	129

The company, supported by an external team of professionals in the field, constantly identifies and assesses risks to workers, implementing actions to mitigate or eliminate risks at the source whenever possible. The company's DVR is based on careful mapping of potential risks and hazards according to various parameters such as the type of departments, the nature of processes and their stages, the tasks and matrix of tasks assigned to individual workers, operating conditions and the degree of control. Another valuable contribution in safeguarding employees from potential risks is the scrupulous monitoring activities by the occupational physician, who provides health advice to employees on a timely and continuous basis.

The company reveals special attention to the healthiness of workplaces and the environmental conditions in which company personnel work; the production facilities are equipped with effective summer cooling and winter heating systems in addition to having excellent room lighting coefficients.

The machines and equipment are subjected to a high turnover that ensures on the one hand excellent industrial process performance and on the other hand a very high attention to the safety of the operators who carry out their activities on them.



Supply Chain

Monitoring and raising the awareness of the vendor community on sustainability issues is a key activity for compliance with and dissemination of the principles contained in the T-Trade Group Code of Ethics and Policies. The consolidation of relationships with the supply chain is an evolution of the initiation of the vendor rating activity, undertaken in a standardized and structural way in 2016 and carried on steadily since then. The purpose of the vendor rating and monitoring activity is to encourage and reward the business relationships of those who distinguish themselves by high rating scores and to attentively and more closely monitor those who consistently show low scores. The goal is to respond to criteria that T-Trade considers to be very relevant, namely recognizing quality and ensuring adequate industrial performance, but also, and increasingly, **highlighting suppliers' responsibilities to the natural environment and to the social context in which they operate.**

112 qualified suppliers

5 paper mill suppliers FSC

8,3 average score

The criteria that begin to take part of the supplier assessment are:

- Compliance with quality and managing standard of ISO 9001
- Observance of environmental standards ISO 14001
- Compliance with policies, of the ethical code and supplier code of conduct adopted by T-Trade
- T-Trade also conducts off site second party audits to check the full compliance with regulations and the maintaining of the required standards

T-TRADE GROUP 2022 ACTIVITIES

- The first survey ESG – Environmental, Social and Governance – was conducted on all relevant suppliers of T-Trade Group, useful to understand the sustainability approach to the supply chain. The survey has become part of the vendor rating scoring criteria

54 suppliers have participated in the survey

- During the same year a new supplier code of conduct which is currently at the stage of final disclosure.

The monitoring activity of the supplier has been repeated during the first months of 2023.



Environment

Emissions:

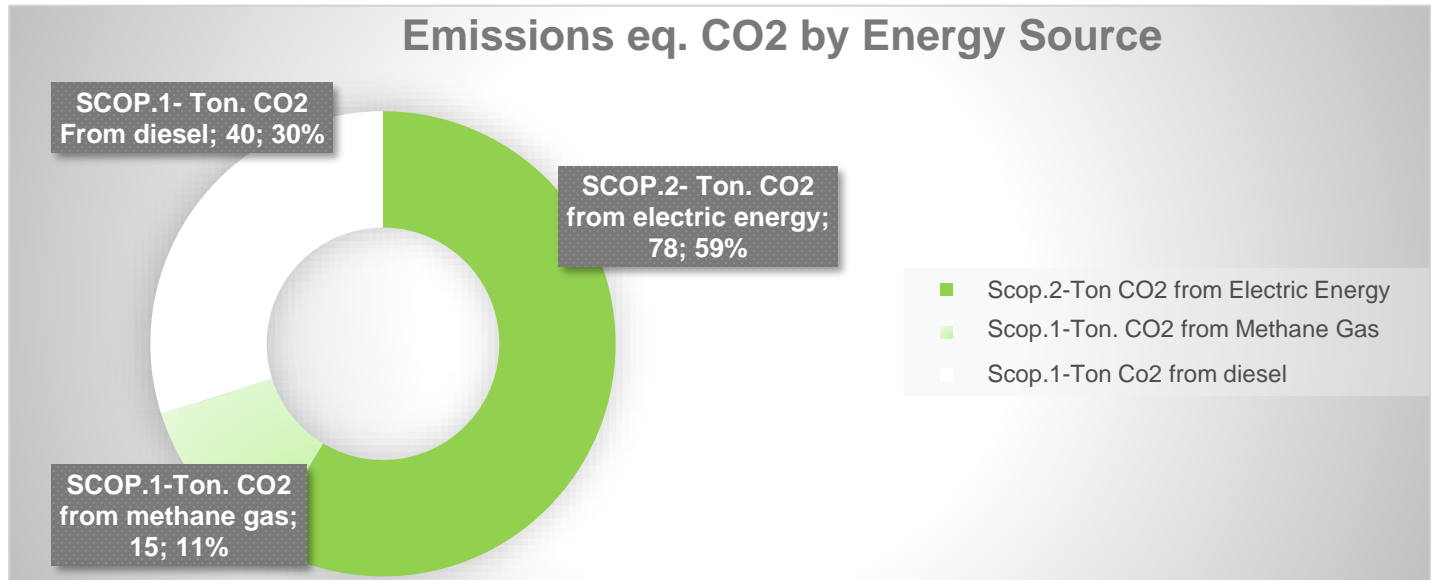
GRI 305-1 Direct Emission of GHG (Scope 1)

Ton. CO₂ from methane gas: 15

Ton. CO₂ from diesel: 40

GRI 305-2 Indirect Emission of GHG (Scope 2)

Ton. CO₂ of Electrical Energy: 78



The emission balance is realized net of the production and self-consumption of electricity from the new photovoltaic system installed during 2023 (see PROJECTS section).

3 tons of CO₂ avoided due to the energy produced by the PHOTOVOLTAIC system

Water

At T-Trade Group, water is not used in production processes and water discharges consist exclusively of toilet water. The commitment to responsible water management, in addition to being formalized within the Transfer Trade environmental policy, is made concrete through awareness-raising activities. T-Trade Group's total consumption in the year 2023 was 570 cubic meters which corresponds to approximately 14.6 cubic meters per worker during the year.



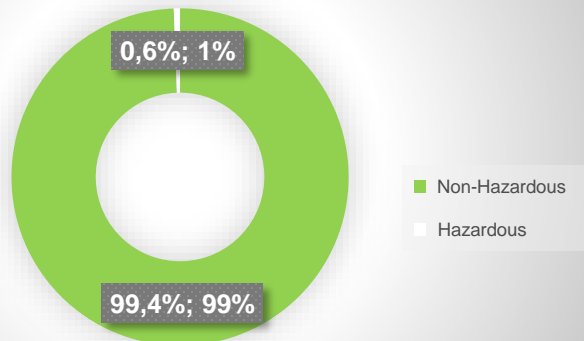
Waste Generated

As for the waste produced directly by T-Trade Group, the quantity, in the range of 84 tons/year (2023), is overwhelmingly composed of waste classified as "non-hazardous." This is a result of establishing specific waste management procedures, as shown in the box at the bottom of the page. T-Trade's approach is based on "life cycle thinking," which is also the guiding thread of all the research and development activity adopted that has led, to date, to the production of solutions covered by many patents. These are innovations aimed at partners and customers designed to minimize the production of packaging waste during the course of their industrial activities.

LINERLESS SOLUTIONS TO SAVE TREES AND REDUCE WASTE

Starting from the need to save paper, process water, and reduce CO2 emissions into the atmosphere, T-Trade has designed and launched linerless printing solutions that involve the use of in-line or end-of-line printers for label application, made from adhesive reels without liner (silicon coated backing destined for special disposal). This leads to a savings of 50 percent of the paper needed for the process (thus less water, less CO2). It is also possible, thanks to other T-Trade printing solutions, to save 100% of the paper needed for the end-of-line labeling process, thanks to printers that transfer the data needed for shipping directly onto the adhesive tape that seals the package to be shipped, eliminating the need to apply the label.

Distribution of hazardous and non-hazardous waste



Remaining in the area of waste produced directly by T-Trade Group, as described above, the good result achieved is achieved thanks to the definition of specific waste management procedures, the adoption of efficient waste collection systems at the various production sites, the training, awareness-raising of personnel involved in management and the continuous monitoring of processes that also takes place at the managerial level.



Chemical Substances

The main chemicals used in production processes are those in the graphic label customization department, and these include inks, varnishes, and cleaning products for printing presses.

NEW PRINTING PRESSES PROJECT: HIGHER PRODUCTIVITY, LOWER INK AND SOLVENT CONSUMPTION

Over the past few years, the fleet of machines dedicated to printing has been completely renovated through substantial investments. Two machines have been introduced, both of which feature ultra-modern safety standards and ducted emissions to keep ink odors away from operators, ensuring optimal management of atmospheric emissions. **The new solutions are so modern and efficient that they make it possible to decrease the consumption of inks and chemicals used, with a view to minimizing environmental impacts already during the production stages.** The benefits should be read from a "*life cycle approach*" perspective: both upstream, with less waste of resources, and downstream, with products characterized by a smaller ecological footprint. This has allowed, despite increases in production, to achieve the following results compared to the machines they replaced:



- 27% INKS **- 36% PAINTS** **- 83% ADDITIVES** **- 41% DETERGENTS**



IMPACT ON LOCAL COMMUNITIES

In order to be truly integrated with the land, a company cannot avoid taking care of the welfare of the land. This means not only paying attention to compliance with local regulations, attention to the environment, the territory, and the people who inhabit it. It also means actively contributing to the welfare of the local community. T-Trade's commitment in this direction is strong: in the first period of the outbreak of the Sars-Covid 19 pandemic, T-Trade managed to procure as many as 7 thousand surgical masks donated to the community through the Civil Defense; to co-finance the Marche Region's project for the extraordinary opening of a health facility at the former Civitanova fairgrounds. In addition, shortly after the beginning of the war in Ukraine, it took in a young family with children by offering housing and work; it contributes to numerous local initiatives promoted by municipal administrations; it promotes sports for the well-being of young people by supporting local teams; and it takes an interest in the rebirth of small villages, including through activities to enhance the value of local properties. Finally, T-Trade is also particularly attentive to activities concerning the integration of the most fragile individuals and their assistance.

T-TRADE GROUP AND SOCIAL WELFARE: SUPPORT TOWARD YOUTH AND SPORT

Young people are our future, which is why T-Trade promotes sports by supporting local teams, both men's and women's, engaged in various sports.



#GIROCPP2023: T-TRADE FOR CHILDREN WITH CHRONIC DISEASES

T-Trade supported, together with the Bambino Gesù Foundation, the Giro d'Italia delle Cure Palliative Pediatriche 2023, an initiative promoted by the Maruzza Foundation to raise awareness and the relevant institutions about the importance of these treatments, which are designed to improve the lives of children with chronic and incurable diseases and their families.





REBIRTH OF VILLAGES: NEW LIFE IN CASTEL D'EMILIO

Realizing that small local villages, if neglected, face decay and abandonment, T-Trade purchased some real estate in a municipality in the Marche region of Italy, with the intention of fighting their decay, bringing them back to life and promoting, over time, recreational and cultural activities. Thus was born "Relais Castel d'Emilio" with 3 vacation homes and the Bacaro Buséto e Botòn, a real meeting place that can also catalyze important public events and act as a social aggregator. The hamlet that is the subject of the enhancement is called Castel D'Emilio, and the activities carried out have an employment spin-off in the neighboring area. This, together with the preservation and enhancement of local historical and cultural assets, has positive indirect spillover effects on tourism and the neighboring economy. The project also includes the establishment here of the first traceability training school for employees and clients.

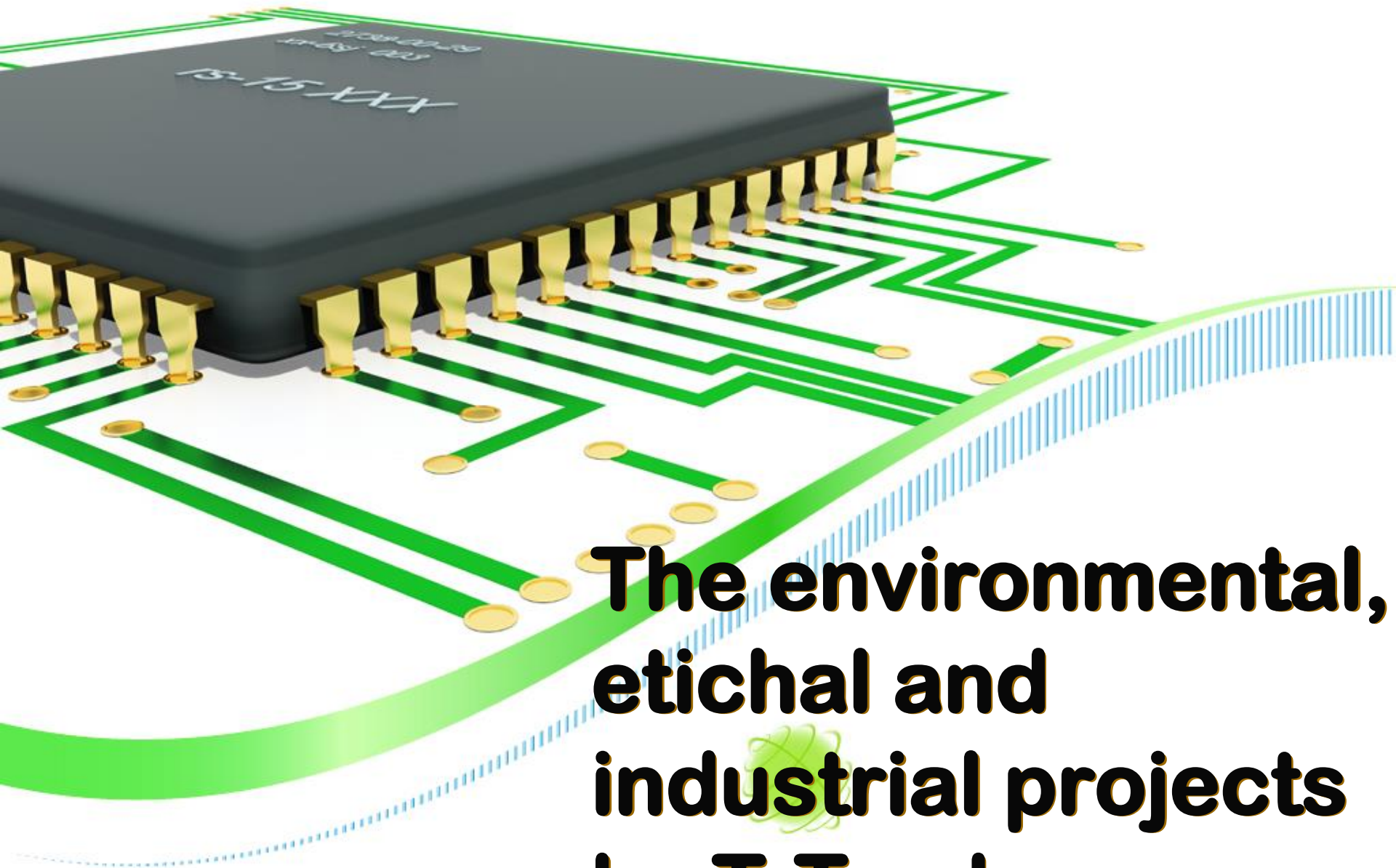


THE TALE OF VAJONT ALSO IN CASTEL D'EMILIO

An example of social aggregation and environmental awareness

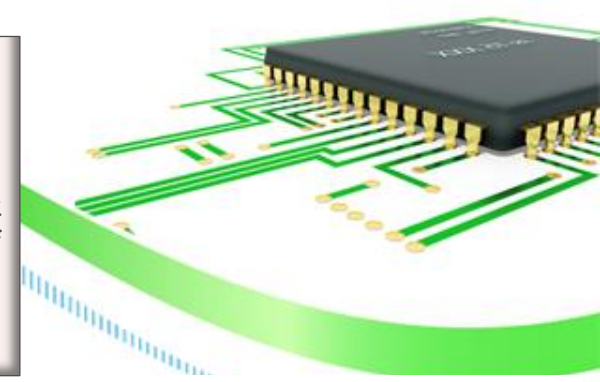
T-Trade joined the appeal launched by Marco Paolini and Caterpillar Radio 2 and on Oct. 9, 2023, staged a reading of "VajontS 23" in Castel d'Emilio at the same time as more than 100 theaters in Italy, for a strong environmental awareness action. The initiative, intended to commemorate 60 years since the tragic event, was offered to all citizens. Hundreds listened to the story of the disaster, thanks to theater actors who volunteered their time.





**The environmental,
ethical and
industrial projects
by T-Trade**

All the intentions, visions, missions, and activities described in the preceding pages find their natural outlet in concrete projects implemented by T-Trade, which cross environmental, ethical, and industrial domains. Starting from collaboration with various stakeholders for the welfare of local communities, to industrial projects aimed at offering innovative, ethical, sustainable, digital labeling systems. It is a true circular path that starts from the desire to respect the planet's resources, goes through the satisfaction of the customer's needs, to the satisfaction of the final consumer. Following are some examples.



BIO LABEL PROJECT

T-Trade has set up a real BIO laboratory for the production, directly from compounds of natural origin (fruit waste, corn, rice...) of BIO film reels to be stickered and die-cut as needed, for making labels or tags from totally natural raw material.



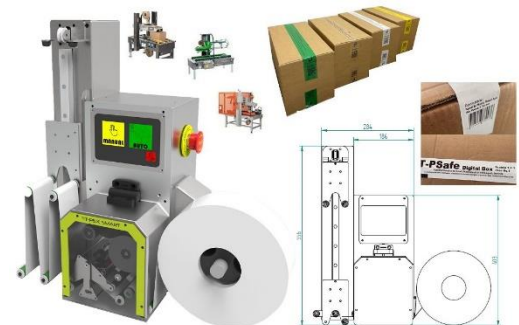
TT-HOURLASS PROJECT

TT-Hourglass is the result of more than a decade of research and development, which began with the first linerless printers. As the word itself (hourglass) suggests, it is a small, hourglass-shaped printer that interfaces with any weigh-price scale in supermarket fresh food departments. The aim is to totally eliminate the use of the thermal paper label. In fact, TT-Hourglass uses the shopper made of compostable material (or plastic shopper, or even the paper bag!) as the raw material on which to print the weight and price: on the handle of the bag, on a flap die-cut in the bottom of the bag, or on a flap made of compostable material to be taken from a dispenser and used as a closing lace once the printing operation is finished, or on the paper bag. All data are thus transferred directly to the shopper/bag, which remains fully compostable, avoiding the use of thermal paper!



TT-PSX SMART PROJECT

TT-PSX Smart is the ultimate summary of decades of innovations and patents and the sublimation of sustainable labeling and even on target with 5.0 goals! At 28x55 cm., this printhead fits almost every taping machine in the world, instantly transforming them into smart taping and printing. It prints on the tape that closes the box, thus eliminating the label, and provides real-time information on both predictive maintenance and positive environmental impact (less CO2, less water, less energy, saving trees). Smart, ethical, sustainable labeling.



PHOTOVOLTAIC PROJECT

If the Community and the Environment call, T-Trade responds. In 2023, an initial 40 kW photovoltaic system was installed on the office-side roof. The investment has multiple purposes: it enables self-generation of energy from 100% renewable sources; contributes to reducing Co2 emissions into the atmosphere as the use of energy produced from fossil fuels is reduced; it has a social role: in fact, not only does it allow the self-production of energy from natural sources, it is also virtually connected to the "energy community network" of Falconara M.ma. This makes it possible to supply surplus energy, when not used on the farm (e.g., Saturdays and Sundays when the farm is idle), at a very low cost, to citizens who have joined the grid.



TT-LIFE RECYCLING PROJECT

Bringing used products back to life and simultaneously giving them a new "passport": this is the ambitious aim of TT-Life Recycling. The project aims to remanufacture obsolete hardware to give it a new life and starts from a mapping of the fleet of printers (but also readers) used by customers, in order to recover the used equipment and put it back on the market reconditioned and, where applicable, even improved through the application of "intelligence". The TT-Life Recycling project is:

- **Sharing economy**
- **Life extension**
- **Product as a service**, moving from an idea of ownership of the good to an idea of rental
- **Upcycling**, or creative reuse.



TT-No Waste PROJECT

"According to the FAO, more than one-third of the world's food produced is lost along the entire food supply chain: on the farm, during processing and manufacturing, in stores, restaurants, and at home. In addition to the related economic and environmental impacts, food waste also has an important social aspect: the donation of surpluses should be facilitated so that those most in need can receive food suitable for consumption. In September 2015, the United Nations General Assembly adopted the Sustainable Development Goals for 2030, including the goal of halving per capita food waste. (*Source: Ministry of Environment*). T-Trade has launched a free App (TT-No Waste) against food waste. After uploading the purchased products, the App alerts the user when they are nearing their expiration date in order to avoid waste through two options of the user's choice: consume the product or donate it to third sector entity previously registered (again free of charge) on the portal linked to the App.

T-TRACE PROJECT

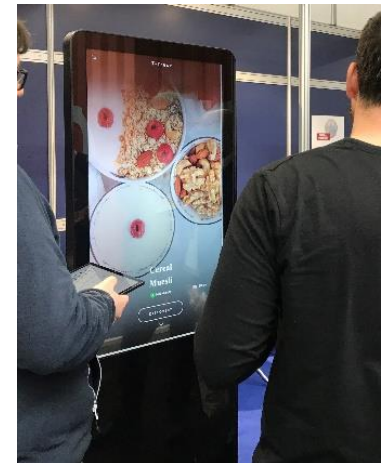
The **T-Trace Platform** makes use of the collaboration of Marche Polytechnic University. It is a true digital revolution because it is a tool for interconnecting all stages of the supply chain, going to meet most of the needs related to: traceability, retraceability, food safety, ecological sustainability, Industry 4.0, supply chain digitization and ethical sustainability. The platform is a set of hardware (machines and materials) and software (web app and cloud) technologies aimed at conscious and circular tracking and use of consumer products, especially those that have a well-defined expiration date. The set of HW and SW technologies that make up the T-Trace platform enables all actors in the consumer product supply chain to produce and track, logistically manage, consciously consume, and eventually recycle, donate, or circularly dispose of the product itself.



STOP allo SPRECO ALIMENTARE



Per le persone. Per il Pianeta





TERRAMATRIX PROJECT

On March 30, 2023, TerraMatrix, an innovative startup owned by T-Trade, was born for R&D, design and production of innovative, Industry 4.0, sustainable, ethical printing solutions and digital platforms for product traceability.

TerraMatrix leads the way to a more sustainable future!

MATT PROJECT

T-Trade, with TerraMatrix Srl, its innovative startup, is present from March 1, 2024 with a space at MATT Coworking in Macerata.

The Matt (a former slaughterhouse, located in the so-called "crater area") is a meeting place to develop relationships among entities that enact a fruitful exchange of expertise within sectors strongly linked to digital innovation and sustainability.

It is the ideal place for TerraMatrix, which has as its object precisely the development, production and commercialization of innovative products or services with high technological value, designed to promote sustainable development and artificial intelligence applied in digital traceability.

As MATT's slogan states, "*where there is contamination, new ideas are born*". And new ideas are the leverage for the future.





“The world is not left to us by our fathers, it is lent to us by our children”



T-Trade Group
SCIENCE FOR FUTURE



XL GRUPPO WE CARE...



TerraMatrix

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