



EXPERTISE IN INTEGRATED SERVICES

Environment, safety and sustainability

Focus

Environment Waste Safety Prefabricated elements Mortars a



INTEGRATED ENVIRONMENTAL SERVICES



INDEX

•	A reliable partner, from analyses to solutions
•	Integrated Services
•	Sustainability
•	Due Environmental Diligence
•	Environmental Investigations
•	Laboratory Analyses
•	Reclamation and Environmental Works
•	Demolition Works
•	Prefabricated Buildings
•	Waste Management
•	Safety
•	Aggregates and Mortars
•	Certifications and Registrations



Francesco Luci, founder of Luci Group (1951)

5 \square

FROM ANALYSES TO SOLUTIONS

Gesteco has been designing and developing integrated environmental solutions for about forty years. It improved its professional skills to protect people and territories, while ensuring the best possible effective results.

The company includes three departments: **Environment, Aggregates and Prefabricated Elements**. These departments work together, in order to share designs and methodologies, as well as values that are at the core of the company: dedication, competence, reliability and keen interest in techniques and materials innovation.

Gesteco's services aim at offering the most adequate solutions to meet with clients' demands throughout the process, starting from analyses and studies regarding environmental conditions, all the way through research projects and the implementation of what may become an optimal solution.

Gesteco's actual strength actually lies in its perfect system, integrating various departments hat are part of the company.

As gears in a well-maintained machine, services offered by Gesteco interact and complement each other in the best possible way, in order to **offer complete services to the client, tailor-made according to specific demands.**



A RELIABLE PARTNER

Due to years of constant updating on norms, technologies and environmental matters, **Gesteco** has ascertained itself as the partner of numerous organizations, demonstrating its concern for people and the environment, whether from a **technical**, **administrative or normative point of view**.

Through environmental engineering projects, such as reclamation works, reinstatement of polluted areas safety, soil, water and air analyses, and evaluation of chemical risks, noise and vibrations, Gesteco became aware that **environmental protection** is actually its **mission**. The company thus performs works to reclaim soils and reinstate polluted soils or highly damaged environments, in order to bring these treated areas back to life and use.

Gesteco's work procedures are always the result of a thoroughly examined and planned methodology, based on the best innovations available in each field. Quite often, solving an emergency becomes the very first step along a path leading to the improvement of the surrounding environment and quality of life for people living in the area.

What motivates **Gesteco** is a concept of **growth**, implying an **innovative** approach and faith in continuous learning to improve activities, as well as the territory where the company operates. This is why **Gesteco's** main purpose is to help companies **continue improving** their performances, ensuring that their processes and systems are efficient and comply with standards as regards quality, health and safety, environmental management and companies' social responsibilities.

In this overall framework, it is essential to base companies development on fundamental principles, such as sustainability and circular economy. Research and technological progress are important, but all significant changes are the result of new ways of thinking, also in daily gestures. Sustainability is one of the most difficult matters to deal with nowadays: finding solutions to protect the environment is our **mission**.

INTEGRATED SERVICES

Clients often ask **Gesteco** to investigate on the presence of some sort of environmental liability in their production premises.

The first step to take is thus to **verify site integrity**. **Gesteco** being specialized in **Due Environmental Diligence** then analyzes if there are risk conditions or critical aspects related to environmental impacts, through a thorough data collection. Due Diligence may also regard **safety and health** aspects leading to the need for training and consultancy in this respect. When finding problematic situations, Gesteco may rely on the overall work of all its various departments to solve determined problematic conditions and manage all the **practical aspects** as regards **pertaining authorizations**. As an example, **environmental investigations** performed to survey pollution may require the support of **Gesteco's** analyses laboratory, MIUR affiliate accredited by ACCREDIA, which deals with waste characterization and chemical analyses of matrixes having an environmental significance.

The following step implies **reclamation and reinstatement works** in the area. Depending on the extent of the problem, **Gesteco** may perform actions aiming at the **improvement of polluted sites**, whether on large areas or smaller ones, for instance in the case of **asbestos** related problems.

Gesteco is also active in the field of demolition works involving civil buildings and industrial premises. In fact, the company

may use a fleet of machines and excavators belonging to the **Aggregates Department**, in order to ensure **low impact demolition works**. The equipment belonging to this department (authorized movable machines and treatment plant for aggregates recovery) permits complete recycling services for aggregates resulting from demolition works.

This allows obtaining **new aggregates presenting properties usually required on the market, in order to save on natural resources.**

The **Prefabricated Elements** department may ensure clients with a complete restoration of life conditions and site safety, from the moment of design until completion of new spaces, while keeping an eye on **eco-design**.

The department is famous in this field due to its capacity of offering "turn-key" solutions.

During this rather complex process, the client may express specific demands, such as the **handling of other types of waste** besides aggregates. Through the interaction between its departments, **Gesteco** manages sites designed for the **disposal of industrial**, special and dangerous waste, as well as **equipment designed to treat solid and liquid waste**, **and materials deriving from dredging works**.

Gesteco offers a complete tailor-made service to deal with all clients' demands.



SUSTAINABILITY &

Gesteco believes in circular economy and applies its rationale at all levels: from daily activities related to the works the company performs, and up to services concerning partners, as well as the whole territory.

This is why Gesteco started with the Beeability® project in 2020.

As suggested by the name, consisting of two associated English words, this project was meant to constitute a group of people keeping **bees** industriousness as a model and offering their own competences (**ability**) to other companies, in order to deal with their environmental activities having an impact and make these more sustainable (**to "bee" sustainability**).

The **Beeability**® team may rely on graduates who studied various topics and have a given range of competences, which makes it possible to cooperate closely with any type of company.

By performing an important role in data collection and distribution, Beeability® makes it easier to understand phenomena and support cooperation between people. It is therefore a **generator of ideas and projects having sustainability as a purpose.**

However, **Beeability**® is not only a group of people: it is the expression of an actual way of being, which helped **Gesteco** operate with the due attention and concern towards environment for thirty years.





In the difficult world of sustainability, the **Beeability**® team supports companies with the purpose of orientating them toward **green transition** and **decarburization**.

Apart from offering support for the evaluation of **products life cycle**, in view of the calculation of **carbon footprint** resulting from companies services or products, the Beeability team also supplies consultancy for services of environmental management and for companies developing **sustainability projects**. This is a perfect example of the application of circular economy to this industrial field having as a purpose emissions reduction and waste management.

IDEAS ACTIVITIES PROJECTS





WE PROTECTTHE ENVIRONMENT BY USING ONLY ENERGY DERIVING FROM RENEWABLE SOURCES SUCH AS WATER, SUN, WIND AND EARTH HEAT, AS CERTIFIED BY THE SYSTEM OF « GUARANTEE OF ORIGIN » OF ENERGETIC SERVICES MANAGER, AS OF EU DIRECTIVE 2009/28/EC

DUE ENVIRONMENTAL DILIGENCE



The expression Due Diligence refers to a given investigation routine to be followed in the case of purchases of estates and production premises: the translation into Italian indicates it is necessary to handle every case "with the proper diligence". This is the reason why **Gesteco's** team of professionals offers a reliable support during purchase and granting of rights of use in industrial areas and in the case of businesses fusions.

Due Diligence that **Gesteco** complies with as regards environment, safety and health, includes verifying and evaluating the history of activities performed on a given site. This implies also a precise and analytical collection of data, to define possible risk conditions or critical elements related to environmental impacts and safety that might be present or have been present in the past on a given site.

The investigation ensures an adequate support for decisions and may constitute an organic synthesis of **the existing conditions**, useful for site management with respect to such matters.

Gesteco's **protocol** includes the following steps:

- environmental site survey, up to the complete determination of all the necessary data;
- analyses of environmental aspects involved;
- definition of required authorizations and documents compliance control;
- determination of environmental problematic aspects;
- final report to the buyer.

Following protocols foreseen by Due Diligence in real estate or companies transactions before purchase, allows avoiding that possible responsibilities may revert onto the buyer.



ENVIRONMENTAL INVESTIGATIONS







Gesteco performs environmental investigations in order to verify if clients have significant impacts on the environment. This permits a timely determination of possibly unexpected negative impacts, in order to adopt adequate corrective measures.

More specifically, it requires surveying emissions in the atmosphere and evaluating acoustic impact.

ACOUSTICS

Environmental noise represents a problem, often underestimated, and may lead to significant administrative sanctions should legal limits be overcome. This implies unexpected costs to remedy later on, in the case of erroneous decisions made at the time when potentially noisy equipment was set up. Evaluations may be of various types, according to the phase in which one finds himself (before or after the start-up of noisy activities) or depending on the types of activities/works considered. Acoustic climate is a "picture" of the acoustic situation in an area, obtained through a phonometric survey or characterization in terms of noise emissions from sources (both natural and anthropic) already present in the territory. According to the type of source and its operation, it may become necessary to perform a further measurement at night. Among various practicable evaluations, it is more and more often required to perform a preliminary evaluation of the acoustic impact, using specific software for numeric foreseeability modeling on the acoustic information regarding a new work, to be compared with data corresponding to the present situation, deriving from accurate instrumental measurements on site. In such a way, it is possible to evaluate the potential acoustic impact of a future plant.

Gesteco has a staff including various technicians who are experts in environmental acoustics and affiliated with **National ENTECA Organization** (L. 447/1995 – Decree-Law 42/2017). /1995 – Decree-Law 42/2017).

EMISSIONS

Gesteco offers complete services for the **control of emissions in the atmosphere and air quality**: our **analyses laboratory** ensures basic support for complete and highly specialized services.

Sampling and analyses of emissions in the atmosphere (generally conveying stacks in industrial and handicraft plants, as for instance painting cabins, MDF panels production, tiles heating furnaces, central heating systems) are performed to **characterize pollutants present**. This is necessary to **obtain authorizations from competent institutions and verify legislative** compliance, as foreseen by standards in force.

ANALYSES LABORATORY



The analyses laboratory works in the **field of analyses, consultancies, studies and applied research, especially as regards environmental problems**.

ACCREDITATIONS

Gesteco analyses and research laboratory possesses ACCREDIA accreditation n. 0583L.

ANALYTICAL RESEARCH

The laboratory is equipped to perform analytical research on the ground of various parameters, mainly offering performances in the following fields:

- 1. waters to be used for human consumption, sources, wells, strata, aqueducts and process waters;
- 2. civil and industrial plants wastewaters;
- 3. rivers and lakes surface waters;
- 4. work environments;
- 5. air and emissions in the atmosphere;
- 6. solid waste deriving from industrial processes;
- 7. solid waste deriving from civil and industrial cleaning processes;
- 8. liquid waste;
- 9. soils and excavation rocks to be re-used;
- 10. soil reclamation works.

Investigations in work environments allow verifying salubriousness. The activity usually consists in collecting samples and performing actual analyses.



RECLAMATION WORKS



ENVIRONMENTAL REINSTATMENT WORKS



FIORE BUSINESS PARK - SAN FIOR (TV) - WORK START

Gesteco performs works to improve polluted sites, reclamation works in large areas and asbestos reclamation works, in compliance with norms regarding people's safety and environment protection.

In the field of reclamation works in contaminated sites, **Gesteco** may follow the whole procedure foreseen by the many norms existing in this field:

- programs of areas environmental characterization through direct chemical, physical and geological investigations (laboratory and on-site analyses, use of the best available technologies, eco-toxicological characterization and bio-monitoring);
- scheduling of safety and reclamation works on site, also through the application of the risks analyses procedure and environmental models construction, as well as laboratory simulations and tests on site.



FIORE BUSINESS PARK - SAN FIOR (TV) - END OF WORK

Preliminary investigation, demolition, reclamation and supply of prefabricated structures.



Gesteco ensures environmental preliminary
investigations, in order to verify the possible
presence and concentration of polluting substances in
environmental matrixes of potentially contaminated sites.
All the analysis and investigation activities constitute the
characterization plan of the preliminary project, and
subsequently the final reclamation project.

DEMOLITION WORKS





Gesteco performs demolition works of civil and industrial buildings, through techniques that are more and more precise, controlled, and having a low environmental impact, by using adequately sized machines, complete with specific equipment.

In order to reduce environmental impact as much as possible, dusts dispersion in the air is limited by using dusts treatment equipment, while our trained technicians constantly survey noises.

Gesteco has a specialization in **controlled demolition** works. More specifically, it offers the following demolition works:

- civil and industrial buildings
- manufactured elements and road works
- underground platforms and plinths
- stacks, silos, reservoirs and piezometric towers
- metal structures
- special elements
- areas requiring the use of explosives.

Furthermore, as Gesteco possesses a significant fleet of vehicles and equipment, and may rely on highly qualified personnel, the company has also been able to perform some **excavation** and earth moving activities that have demonstrated of its competence.



PREFABRICATED ELEMENTS





Our buildings can house the most varied activities: handicraft, industrial, commercial, managerial. While designing new spaces, we try to interpret any single demand from the client in order to offer tailormade solutions.

More and more often, Gesteco works in view of sustainability: it invests in research concerning materials and binds itself to reduce workloads and environmental impacts in terms of transport, optimization of materials yield and improvement of conditions regarding brightness, air conditioning and energy saving.



Gesteco's prefabricated elements department offers "turn-key solutions", both for small and high-rise buildings.

Starting from project design and up to completion, Gesteco follows up the client while paying a constant attention to processes sustainability and impacts.



The image on the left shows the logistic area of Gesteco's aggregates department: an example of circular economy in the building industry. The building was not only designed keeping present times in mind, but also worrying about its duration "from the crib to the grave", i.e. considering its environmental impact from the moment it was completed up to demolition. Aggregates derive directly from Gesteco's extraction activities: they will totally be reusable when the building comes to the end of its life cycle.

WASTE MANAGEMENT



Gesteco deals with recovery, treatment and disposal of dangerous and non-dangerous waste, in various authorized plants.

Besides, it is in a position to offer solutions to be directly implemented in the place where waste is produced. It operates on the whole national territory, thanks to the use of authorized movable equipment.

Gesteco has the followings equipment for waste recovery, treatment and disposal:

- Landfill for non-dangerous waste located in the Municipality of Cividale del Friuli (Ud), Località Mus
- Landfill for aggregates located in the Municipality of Remanzacco (Ud),
 Località Cerneglons
- Plant for aggregates recovery located in the Municipality of Pradamano (Ud),
 via Laipacco n. 4
- Plant for the treatment and recovery of non-dangerous waste located in the Municipality of Monfalcone (Go), Località Lisert
- Plant for the storage of dangerous and non-dangerous waste located in the Municipality of San Michele al Tagliamento (Ve), via Molinovo n. 4
- Plant for the treatment and disposal of non-dangerous liquid waste located in the Municipality of Gorizia (Go), via del San Michele n. 351

IMPIANTI MOBILI

Gesteco ensures treatments **on the spot**. For such treatments, the company uses **authorized movable equipment** to operate on the whole national territory. The treatment has the purpose of sending waste to:

- recovery plants;
- adequate disposal sites.

TRASPORTO RIFIUTI

As regards transports, the company has the following registration categories in the **National Registry of Environmental Operators**:

- CATEGORY 1 CLASS E Collection and transport of dangerous and non-dangerous municipal waste
- CATEGORY 4 CLASS A Collection and transport of non-dangerous special waste
- CATEGORY 5 CLASS D Collection and transport of dangerous special waste

SAFETY



Safety and communication are aspects Gesteco intends to deal with. From preventing accidents in work places to ensuring a maximum diffusion of safety culture, through workers' training and information to various figures involved.



Thanks to the combination of various tools, from **training courses to various forms of innovative communication**, from the definition of good practices to continuous exchanges of ideas, safety must become the very first concern for any company, as well as for its managers or administrators, in order to safeguard and protect workers, but also contribute to society's wellness.

Gesteco deals with:

- evaluation of risks in work environments
- study, design and assistance in the implementation of documents related to safety and workers' health
- consultancy to companies to assist the person responsible for prevention and protection within the company, as well as the employer
- expert evidence to the Prevention and Protection Service
- implementation of Management Systems for Health Safety on the Job (UNI ISO 45001:2018)
- training as regards environment, quality, health and safety in work places.

AGGREGATES AND MORTARS





Gesteco is active in the field of extraction, processing and marketing of building aggregates through accurate selection, washing and crushing of aggregates coming from caves, excavation works and restoration works on waterways.

Services:

- Selection, washing and crushing of aggregates
- Research and development of innovative products deprived of chemical additives for the building industry and do-it-yourself activities.

The company has a complete range of materials (EU certified) to which it added subsequently the production of mortars manufactured in uniko bags.

PREPACKED ÙNIKO

ùniko consists of a complete range of mortars for the building industry and high quality DIY.

ùniko bags may meet with all the demands coming from professionals and the world of DIY: in fact, the ùniko range includes classical mortars, but also innovative products, selected in such a way as to protect the environment, products that are required more and more often by people aware of environmental and health problems.

A complete range of aggregates and many products for DIY.

- Mortars
- Aggregates
- Brico
- Bio

For more information and technical details: www.lineauniko.it



CERTIFICATIONS AND ACCREDITATIONS

Gesteco's processes are certified as of **UNI EN 9001:2015** standard, while the accreditation of the analyses laboratory complies with **UNI CEI EN ISO/IEC 17025:2018 standard**.

The company also obtained the environmental certification in compliance with the requisites of **UNI EN ISO 14001:2015** standard and the certification complying with **UNI ISO 45001:2018** standard regarding safety and health in work places.

The following list gives more details on certifications and attestations:

Accreditations	ACCREDIA - UNI CEI EN ISO/IEC 17025:2018
Certifications	UNI EN ISO 9001:2015 UNI EN ISO 14001:2015 UNI ISO 45001:2018
Product certifications	UNI EN998 -1 UNI EN998 - 2
Materials certifications	UNI EN 12620 UNI EN 13043 UNI EN 13242
SOA Attestation	Cat. OG1 Class VI Cat. OG3 Class V Cat. OG6 Class II Cat. OG12 Class VI Cat. OS6 Class I Cat. OS53 Class IV - bis Cat. OS23 Class IV - bis

REGISTRATIONS

L'azienda è iscritta all'ALBO NAZIONALE GESTORI AMBIENTALI ISCRIZIONE n. TS00047 per le segueni CATEGORIE E CLASSI:

Category 1 - Class E	Collection and transport of municipal waste
Category 4 - Class A	Collection and transport of Non-dangerous
Category 5 - Class D	Collection and transport of dangerous special waste
Category 8 - Class C	Mediation and trading of Non-dangerous and/or dangerous waste without detention
Category 9 - Class B	Sites reclamation works
Category 10B - Class D	Activity of reclamation of goods containing asbestos

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