



Itelyum is regeneration of used lube oils, purification of chemical and oil streams, and responsible management of a wide range of industrial waste. Through advanced technologies and continuous investment, Itelyum helps saving natural resources and improving quality of life, with sustainable processes, products and solutions for waste management and the optimization of served markets. Fifty years and more of industrial history grounded on the principles of the circular economy even before it became the economy of the future, involving customers, suppliers, institutions, local and global communities in creating economic, environmental and social value.

**Value for the market, the society and the environment**

Through products, services and partnerships, Itelyum structurally integrates into the market, providing competitive and sustainable solutions with high environmental and social value.

Regeneration is the best option to valorize collected waste oils, adding benefits compared to primary production. Re-refining extends the life cycle of lubricants, through advanced technological processes, producing quality lube bases and other products to be re-introduced in cycles of use in industry and transport.

The purification of flue streams from the chemical and pharmaceutical industry recreates value by engineering products going back to the same markets of origin or to other destinations. Solvents from the distillation of virgin oil fractions, manufactured or traded, and synthesis of starting materials complement the product range, assisting at best market segments and companies, from which waste are also collected for recovery.

Vertical integration in the waste management sector reduces space and time lapses between generation and valorization, with an active presence in the collection, transport, storage and pre-treatment phases and through other services, consultancy and trading activities.

**Local presence and global outreach**

<p><b>23</b> Companies</p>	<p><b>35,000+</b> Customers</p>
<p><b>27</b> Operating sites</p>	<p><b>60+</b> Countries served</p>

## REGENERATION SOLUTIONS

Regeneration Solutions encompasses the activities of Itelyum Regeneration S.r.l., for over 50 years the European leader in the production of quality lubricating bases through a proprietary and patented re-refining process.

Thanks to the technologies adopted, such as catalytic hydro-finishing, the regeneration plants are capable of treating used lube oils, producing high quality regenerated bases, used by the most prominent lubrication companies in the world. The technological and managerial excellence guarantee chemical-physical characteristics and performance equal or superior to the lube bases deriving from the primary refining of crude oil.

The produced lube bases, Group I+ and Group II+, are ideal for the different applications in both the automotive and the industrial sectors, allowing for a wide range of formulations, complying with the most severe performance and environmental requirements of modern lubricants.

The used oil regeneration plants in Pieve Fissiraga (LO) and Ceccano (FR) have a treatment capacity of around 200,000 tonnes per year, producing mainly regenerated lube bases, but also diesel oil and a mixture for applications in bituminous membranes. As a recognition of this path of excellence, Itelyum's regenerated lube bases have obtained environmental product certification.

## PURIFICATION SOLUTIONS

Purification Solutions includes Itelyum Purification S.r.l., for over 40 years industry leader in the production and trading of solvents from the valorization of chemical waste and high purity solvents.

The Landriano (PV) plant is equipped with flexible distillation units, capable of adjusting its structure according to the waste to be treated and the planned production, and includes a chemical synthesis facility.

The logistics and packaging site in Rho (MI) completes the industrial asset, adding automated mixing and bottling capacity. Every year, almost 100,000 tons of used solvents, mainly from chemistry and pharmaceutical chemistry, are purified

or recovered, with high industrial yield and quality. The solvents produced can return to the market of origin or be valorized through new formulations, in order to conform to other destinations.

Its production capacity adds up to 100,000 tonnes of pure products from selected oil fractions, technical streams and virgin raw materials, supplemented by trading activities.

Finally, a dedicated facility synthesizes starting pharmaceutical materials or custom-made products, through organic chemistry processes that also benefit from the synergy with the solvent regeneration activity.

## ENVIRONMENT SOLUTIONS

Environment Solutions integrates controls and coordinates 20 companies located all over Italy, responsibly managing over 1,500,000 t/y of industrial waste (handling and industrial services 500,000 t/y).

Together, thanks to a fleet of over 300 specialized vehicles and a network of partners allowing operations on a national scale, they offer a comprehensive range of environmental services and a specific know-how in the sector of hazardous waste. The strong territorial presence allows playing a key role of vertical integration in the sector, reducing space and time lapses between generation and valorization of waste. Active presence in

all phases of waste management, from collection, to storage, transport and pre-treatment, is complemented by service and trading activities, environmental and safety consultancy.

It also benefits from two laboratories for chemical and environmental analyses and four treatment plants for industrial wastewater.

The strategic approach, the competences and the advanced systems adopted allow for maximum traceability and transparency in environmental and administrative management, aimed at maximizing the recycling and recovery options compared to other possible forms of disposal.

Itelyum, among the global forerunners of circular economy, is the national leader and a recognized international player in management and valorization of industrial waste.

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