

SEEDS
a webgenesys
company



SEEDSBIT[®]
blockchain for
information traceability

seedsbit.com

SEEDS s.r.l. and SeedsBit

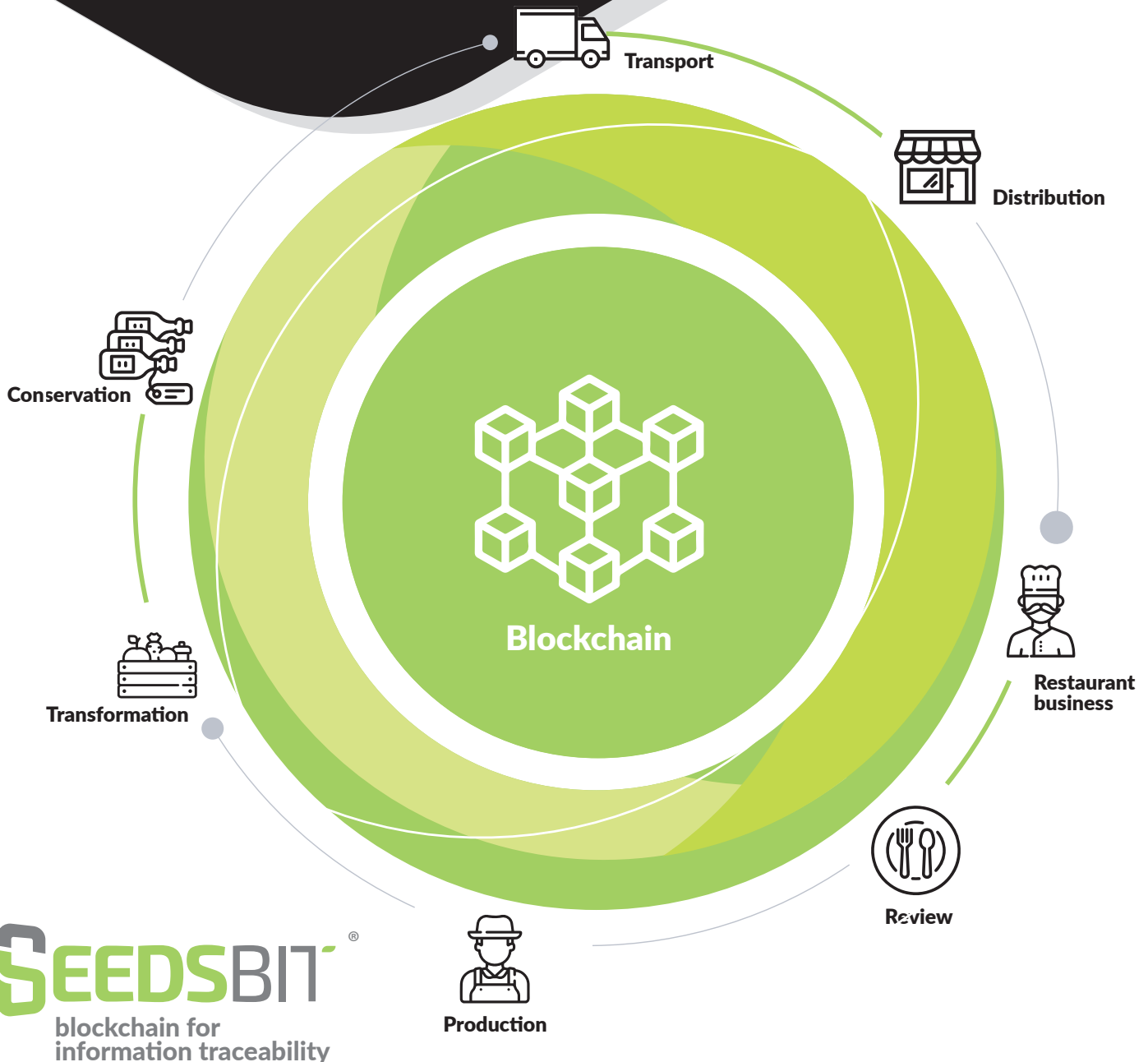
SEEDS S.R.L. IS AN INNOVATIVE STARTUP AND AN ACADEMIC SPIN OFF OF THE ENGINEERING DEPARTMENT OF THE UNIVERSITY OF PALERMO.

In 2021 **Webgenesys S.r.l.** acquired the controlling share of **SEEDS S.r.l.**, which became part of Genesy Group, a holding that brings together 9 companies operating in heterogeneous areas of the ITC sector.

SEEDS S.r.l. offers **SeedsBit**, a modular blockchain-based information traceability platform that meets consumers' and companies' needs for products and processes, origin, quality, authenticity and compliance with standards and regulations to ensure high-quality levels throughout the entire supply chain. **SeedsBit** is a secure and distributed platform that manages data in a transparent and immutable way.

Tracking and Tracing to navigate supply chains

SeedsBit offers an agri-food traceability service in a multi-chain environment, in which the various products are followed in their path up to the final customer even when they become ingredients of complex preparations and dishes. The **SeedsBit** traceability service includes the extra-domestic consumption typical of the HORECA (Hotellerie-Restaurant-Café) sector, canteens, catering, delivery food and collective catering.





SeedsBit Traceability Service

The **SeedsBit** Traceability module offers traceability for a product category. It includes a certain number of monthly transactions which depend on the chosen package. The model adopted by **SeedsBit** charges for writing in the blockchain, but it is free for reading. This logic is advantageous for the end consumers, who can read the information for free. This approach allows companies to plan their costs.

SeedsBit services refer to a single operating unit of a company; in fact, each operating unit corresponds to a different identity, and companies should expressly register any transfer between their operating units.

The offer takes into account both the number of transactions and their speed of arrival since these factors influence the size and scalability of the blockchain. Finally, the offer depends on the number of product categories since each category corresponds to a different data model and validation logic and, consequently, a set of dedicated smart contracts. In this way, it is necessary to implement a different validation logic for each category.

SeedsBit logic refers to the number of output categories. It is the number of outgoing categories that influences the types of validation carried out in writing. For example, in Ho.Re.Ca there is a single output category, a dish, while there are many incoming categories, the ingredients. Similar logic applies to the distribution. For example, supermarkets handle different types of products, but perform a simple operation, the sale; therefore, it corresponds to a single output category.



Delivery food

The **SeedsBit** platform provides the user with information related to all the steps of the supply chain using data of various companies signed up for our services.

Supermarkets and restaurants that adhere to the **SeedsBit** Traceability service can open the doors of their companies to the buyers who will receive reliable and truthful information, as if they were present at the operations.

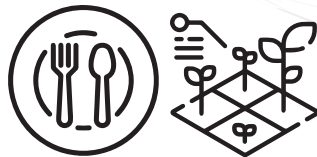


Who uses SeedsBit Traceability

We continue to know very little about what we eat, indeed paradoxically with the increasing complexity of the supply chains, we know much less than our grandparents who knew the farmer personally. Today in the best of cases we have concise markers: "bio", "produced in the EU" or even "packaged in the EU". Instead, behind every product, there is always a story full of work, details and choices. And the taste of what you know is always richer and full of meaning.

The **SeedsBit** app is based on blockchain technology that guarantees the security, validity and immutability of the data entered by various players of the production chain. You will no longer see only anonymous and insignificant words on the label. Now you need only to scan the QR code that you find on a product label or in a restaurant menu, and you will enter a whole new universe.

Traceability permits companies to provide transparency and take an active role in the value chain and the chain of responsibility. Information on your products and production process can become gold for your company. You make quality agri-food products, you know that you put all your effort into it, but do your customers know it?



Browsing supply chains, from farm to fork



SeedsBit platform

The **SeedsBit** traceability platform has various degrees of interoperability with the software already in use in your company. We provide developers with APIs to use our services and offer integration to software that exposes APIs.

The **SeedsBit** architecture allows the company's platform to interact with external software and actors. As a developer, you can use our APIs to access the data; you can create your traceability app using the SeedsBit platform.



SeedsBit Document Service

SeedsBit® Document is a document attestation platform always in your pocket; it is a hub that certifies the originality of paper and digital documents, determining their ownership and availability at a specific date. It works simultaneously on different blockchain platforms and provides attestation for both private and public groups. **SeedsBit®** Document allows users to write on the blockchain the entire modification history of their projects.

For example, public administrations can use the service for attesting documents, city council meetings and all remote activities. Companies of all kinds can certify their commercial contracts. Artists, journalists, designers, scientists and researchers can attest the ownership of ideas, articles and works, also through interoperability with dedicated platforms.

SeedsBit® Document facilitates the spread of self-sovereignty identity, data sovereignty and e-government mechanisms.

The steps to take advantage of the **SeedsBit** Document attestation services are few and simple. Once the documents to be certified are selected, their hash (unique code associated with each document) will be calculated, and you will be able to apply your digital signature. The smart contracts will subsequently take care of validating your documents and then storing them immutably on the SeedsBit blockchains. You can share the file or its reference with whoever you want, and it will be possible to verify its originality and existence at a specific date in a unique way.



Know your customers - Allergies, eating habits and reviews

The customer can configure the **SeedsBit** Traceability app in such a way that it will automatically signal the presence of any allergens present in the product or dish, taking into account the process history. Besides, the **SeedsBit** Traceability application allows users to exchange their reviews and share opinions on a particular product, dish, restaurant or bar.



website



web app

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