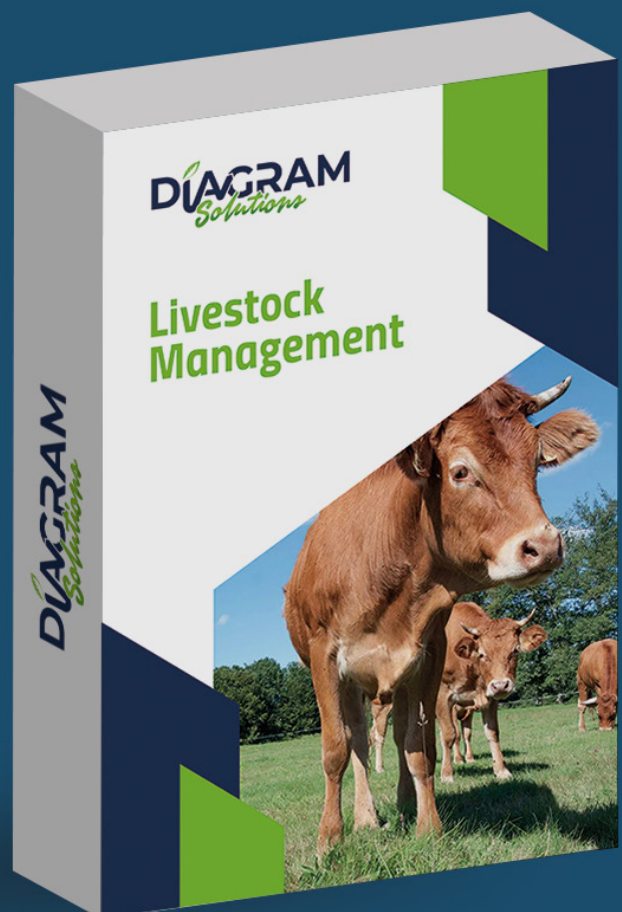




Livestock Management



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The Group

Diagram was established in 2024 through the transformation of the IBF Servizi SpA Group and the acquisitions of Agronica Srl, Abaco SpA, Agriconsulting SpA, and Netsens Srl. It is a leading Italian and European company in the digitalization of services dedicated to the agri-food sector, in the development of farm management software and in the management of processes for delivering, monitoring and controlling environmental and agricultural support programs. As a partner to major Governments across Europe, it supports Public Administrations, farms, banks and insurance institutions and the agri-food industry with the goal of promoting social, economic, and environmental sustainability. Today, the company is owned 41.6% by CDP Equity, 41.6% by Trilantic Europe, and 15% by BF International.



The Platform

An integrated management platform that allows complete management of the livestock chain and individual farms, characterized by high scalability, extensive functional coverage and advanced user profiling. The solution is not limited to the operational management of livestock and business processes but can integrate with barn environmental monitoring systems, enabling the correlation of livestock data with microclimatic conditions. This approach fosters a comprehensive view of the farm and supports decisions focused on animal health, production efficiency and the prevention of issues.

The solution manages both livestock aspects and the entire agricultural management, including:

- Crop planning representation
- Treatment registry
- Warehouse management for technical means and products
- Livestock mapping and procedural records (samples, analyses, visits, monitoring, activities, buffer zones, water resources)
- Workforce and equipment management, logistics for collection and delivery

Livestock Management



The Livestock Management solutions allows the registration and management of multiple businesses, even when organized in hierarchical supply chain structures, offering advanced tools for controlling livestock, livestock operations and feeding. Animal management is supported by features that consider growth status, nutrition and barn activity planning. In this context, animal welfare is a central factor: production performance is closely linked not only to management operations but also to the environmental conditions in which the animals live. For this reason, the system can communicate with microclimatic monitoring tools, contributing to a more informed and proactive farm management approach.



Features

- **Animal records**
- **Import of livestock from abroad**
- **Livestock density:**
 - Density summary
 - Animal placement control
 - Animal dispatch control
 - Animal treatment record
 - Treatment control
- **Livestock analytics**
- **Synchronization and integration with national veterinary databases**
- **Mobile App**
- **Hardware**

Features

Animal Records

- Detailed animal registration for barns, groups (pens, boxes, etc.) and individual animals
- Data regarding traceability, regulations and genealogy
- Automatic management of animal IDs and linked records
- Automatic traceability of genealogy and growth status based on animal birth dates
- Dynamic consistency detection (animal availability on a specific date)

Configurations

Ability to configure parameters for automating operations, such as the automatic calculation of feeding.



Features

Livestock density

Report of the full livestock inventory status, exportable to Excel, including all animal records, management data, and historical information, viewable as of the query date.

- Animal placement control
- Various data analysis configurations, including:
 - Days in barn for each animal
 - Animal age
 - Calculation of future date to reach 180 days in barn
 - Calculation of animal age at the 180-day milestone
 - Days in barn from entry into the first owned barn (quarantine barn)

Animal exit operations control

- Control of all exit operations
- Animal departure with additional information for date-based checks

Management Control

Complete module for managing barn costs, categorized by centers and cost items.

Active and passive cycles for livestock movement, warehouse products, purchases and sales, or the possibility of integration with the company's fiscal management system.

Features

Animal treatment records

- Livestock Analytics
- Ability to monitor treatments on livestock
- Ability to view data for individual animal IDs
- Drug Classification (database codes)
- Ability to set up drug subcategories

Livestock analysis

- Management of the analysis workflow from sampling to DSS treatments
- Management of barn sampling, including through the App
- Sending samples to the laboratory for analysis
- Receiving laboratory results for samples
- Managing corrections to administrations based on analysis results

! SLAUGHTER DISPATCH CONTROL

The system ensures that the animal is not under suspension and has not received antibiotic treatments in the last 180 days.

Features

Zootechnical operations

Management is related to individual animals or group of animals (entire barn, pen, different groups).

Barn entry operations

Management of incoming animals, consistent with the country of origin.
Parametric tables to perform control over data entry.

- Italian purchase
 - Purchase EU countries
 - Stall loading with massive imports
 - Stall loading by barcode letter present in EU passports
- Document management:**
- Document management
 - Model 4 BDN (IT)

Weight operations

Recording the weight at the animal's entry into the barn, at the exit from the barn, and during the stationing period.

 **IMPORT LIVESTOCK FROM ABROAD**

Specific function for livestock from EU countries: thanks to the import via Excel file, it is possible to quickly perform livestock loading that can be used as an alternative to other loading methods.

Features

Automatic Feeding Operations by Period

Automatic Feeding Operations by Period Management of animal feeding and related livestock operations in the schedule.

- Ability to select the animal's feed (forages, feed, and other products purchased or self-produced by the agricultural management)
- Ability to select predefined mixtures or dosages based on growth needs, for barns or groups of animals, and chosen time periods, using warehouse products in batches
- Automatic warehouse stock depletion based on the animals' needs during the period or automatic calculation of rations based on actual warehouse consumption
- Ability to use the module to create feeding products from raw materials
- Preparation of tables to define animal feeding based on age/growth status

Feeding strategies can also be evaluated in relation to the environmental conditions of the barn. The correlation between nutritional status, thermal comfort, and microclimatic parameters allows the optimization of rations and reduces the impact of environmental stress on production performance.



Features

Two-way integration with national registry database

Integration with national veterinary system

Features

Animal treatments registration

Management via mobile app includes:

- Livestock and performed activities: checking animal IDs upon arrival, moving animals within pens, and tracking livestock inventory
- Blood sampling and analysis of animals in the barn
- Animal identification through barcode scanning (using an appropriate device or smartphone)



Hardware

Precision feeding

The precision feeding system provides control over all stages of the animal nutrition process, from recipe preparation to data transmission and the distribution of Unifeed rations. The solution enables the management of all data collected daily within the feeding process and transforms it into useful information to increase efficiency and performance of the business. A complete solution for feeding management that allows to:

- Create feeding plans
- Manage the warehouse
- Monitor data quickly and intuitively through customizable dashboards
- View and download reports
- Monitor and manage waste and component consumption
- View lactation data
- Control operators

IoT Sensors

Environmental sensors can be integrated within the barn to continuously monitor temperature, humidity, air quality, and other microclimatic parameters. This IoT infrastructure provides the technological foundation for controlling environmental conditions and for informational integration with livestock management systems, enabling operators to:

- continuously monitor barn microclimatic conditions
- assess animal environmental comfort
- promptly identify critical situations
- support operational decisions related to microclimate management



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