



LIVESTOCK

Dosage solutions for animal health



Your trusted partner in dosing solutions

About us

With a **legacy spanning decades**, Injecta specializes in the design and manufacture of dosing systems for diverse industrial sectors.

Safety is at the heart of our mission: we understand the risks associated with chemical handling, therefore we provide **solutions engineered to mitigate critical operational risks.**

Leveraging our **technical expertise**, we guide clients in **optimal material selection** and the **integration of dedicated safety systems.**



Dosing Systems

Animal health and the productive efficiency of farms rely on **precise, continuous**, and **controlled administration** of active ingredients, **supplements**, and **treatments** through drinking water.

In a modern livestock context, where every phase of the production cycle requires attention and rapid intervention, proper dosing management becomes a strategic factor: inaccurate delivery can lead to **nutritional imbalances**, increased **physiological stress**, greater susceptibility to diseases, and a significant reduction in productive performance.

Importance of Water Treatment

Water is the **essential nutrient** in livestock farming and is also the **most effective means** of administering treatments and supplements. Ensuring that each animal receives the **correct dose** at the right time is crucial for productive performance and well-being.

Our **dosing pumps** provide **reliable** technology that automates the dosing of medicines, vaccines and additives, ensuring **uniform** administration and **full traceability**.





Regulatory framework

The administration of medicines, vaccines, and supplements through drinking water is now considered a flexible, safe, and effective method in livestock farming.

To ensure safety and compliance, it is essential to follow European and Italian regulations:

- **Regulation (UE) 2019/6:** ensures the safe and effective use of veterinary medicines, regulating dosage, mixing, and contamination prevention
- **Delegated Regulation (UE) 2024/1159:** Provides guidelines on dosing systems, water quality, interactions with additives, and the responsibilities of farmers and veterinarians
- **Italian Legislative Decree 218/2023:** Implements EU legislation establishing requirements for training, traceability and correct oral administration of medicines

Applications

Our dosing pumps cover the entire livestock production cycle - from medication to sanitization - ensuring precision, safety, and efficiency.

Animal health

- Vaccines, antibiotics, anti-inflammatory drugs, analgesics, and dewormers
- Accurate management of therapeutic cycles

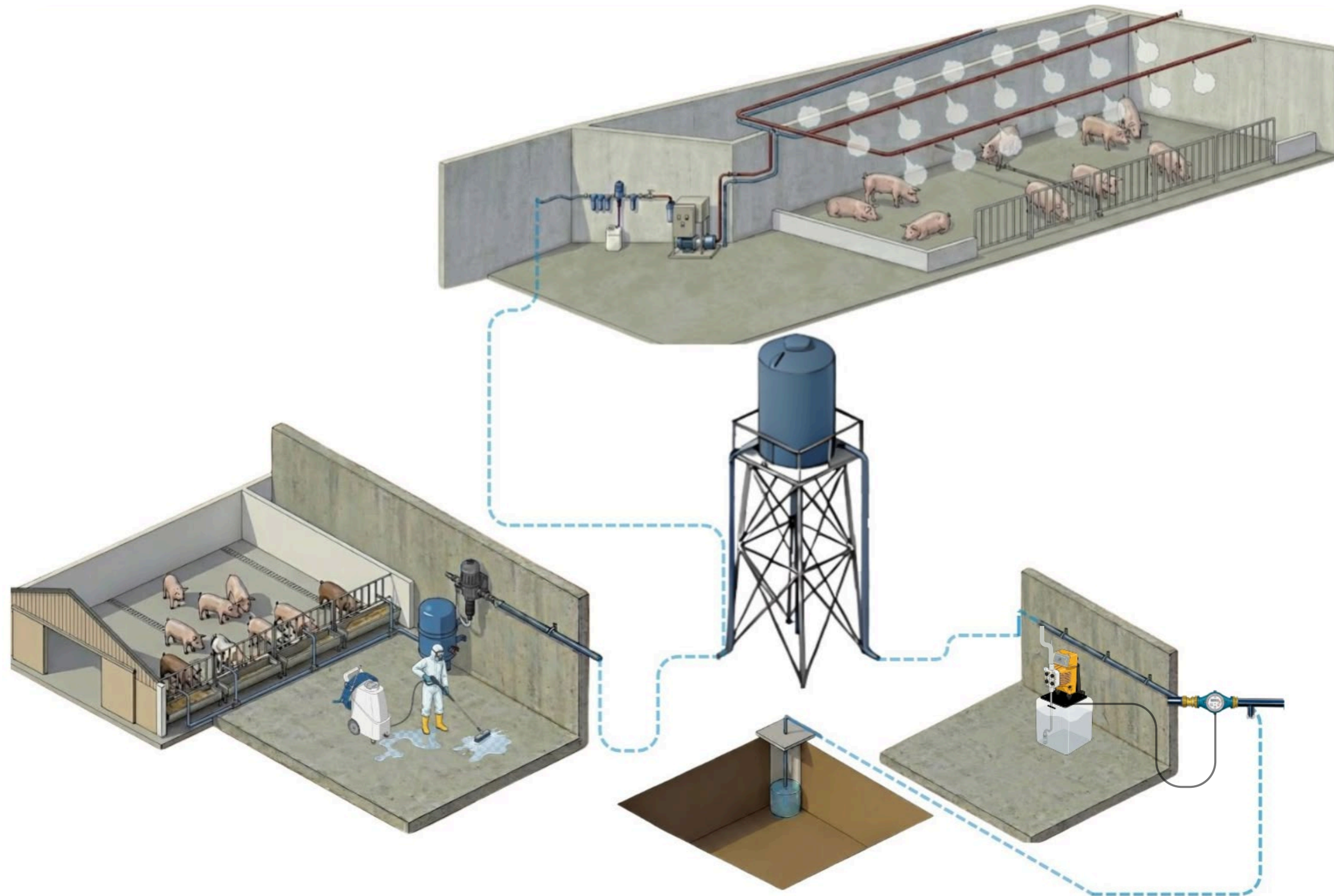
Administration of medicines and supplements via water

- Vitamins, minerals, and electrolytes for post-stress recovery
- Organic acids, probiotics, prebiotics, and essential oils to improve digestion and feed conversion

Biosecurity

- Water disinfection and biofilm removal
- Sanitization of systems, equipment, and vehicles
- Fogging for temperature, dust and odor control, or for aerial disinfection

Dosing system in livestock farms



A. LIVESTOCK TREATMENTS

1. *Medicines* – Controlled dosing of medicinal products through drinking water
2. *Oral vaccines* – Automated distribution of water-soluble vaccines
3. *Acidification* – pH regulation with organic acids to improve hygiene and digestion
4. *Supplementation* – In-line supply of vitamins, minerals, and electrolytes

B. WATER HYGIENE

5. *Drinking water disinfection* – Incoming water treatment to ensure microbiological quality

C. ENVIRONMENTAL SANITATION

6. *Environmental fogging* – Cooling systems and dust- and odor-suppression through ceiling-mounted nozzles.
7. *Washing and disinfection of structures* – High-pressure cleaning and disinfection of housing facilities.

HYDRA MT



Materials	PVDF-C head Ceramic balls PTFE diaphragm
Flow Rate	Manual flow rate adjustment from 0 to 100%
Operating mode	Timed dosing through a weekly programmable timer PPM dosing Batch dosing
Power supply	230 Vac 50 Hz

ATHENA MT



Materials	PVDF head Ceramic balls PTFE diaphragm
Flow Rate	Manual flow rate adjustment from 0 to 100%
Operating mode	Flow rate proportional to 4–20 mA signal Selectable analog signals 0/4–20 mA Digital signals 1:n, n:1, 1:c (batch) Direct PPM dosing
Power supply	100÷240 Vac 50/60 Hz

ATHENA BT



Materials	PVDF head Ceramic balls PTFE diaphragm
Flow Rate	Digital flow rate adjustment
Operating mode	Built-in digital timer for daily or weekly programming (up to 10 programs), with settings for time, quantity, and dosing Timed dosing function
Power supply	Stabilized multi-voltage power supply 100÷240 Vac, 50/60 Hz, with low energy consumption

HYDROPUMP



Materials	Body: PP or PVDF Seals: FPM, EPDM, AFLAS
Operating mode	Volumetric hydraulic motor, integrated mixing, no electrical power required Self-priming function , ensuring suction of concentrate up to 4 m
Range	Flow rate: 10 l/h - 2.5 m ³ /h Pressure: 0.3 - 6 bar
Dosing	0.2 - 10% (depending on model)

WM-R



Threaded Water meter with reed-type pulse emitter with flow rate reading,cold water up to 30 °C

Dry dial

Pulses output4 or 1 pulse/liter

Connections½" ÷ 2" (13 mm ÷ 50 mm)

Nominal diameterUp to 2" (50 mm)

HELIOS 02



Digital panel (Nexus 3000 amperometric chlorine)

ProbesChlorine

MeasurementChlorine: 0-5 PPM

SensorIntegrated

E-FLOW SENSOR



Pipe diameterDN15 ÷ DN600 (0,5 ÷ 24 in.)

Nominal flow rate0,15 ÷ 8 m/s (0,5 ÷ 25 ft/s)

Linearity±0,75 % of full scale

Repeatability±0,5 % of full scale

Nominal frequency45 Hz per m/s (13,7 Hz per ft/s)

Maximum output current10 mA

Solutions for environmental disinfection



JET FOAMER



Mobile foam generator

Materials	Body: polyethylene Pump: Santoprene or Viton
Versions	40 L or 90 L
Operating mode	with pre-mixed solution
Pressure	2.7 - 5.5 bar (40 - 80 psi)
Accessories	Ball valve Nozzle in AISI 304/316

FOAM SYSTEM



Ideal system for dosing a single foaming product

Temperature	Up to 50 °C
Range	Water pressure: 2 - 6 bar Compressed air pressure: 2 - 6 bar (optimal 3.5 bar) Pressure gauges for water and compressed air included
Accessories	The station is equipped exclusively with the foam lance

HELIOS 02



Digital panel (Nexus 3000 amperometric chlorine)

Probes	Chlorine
Measurement	Chlorine: 0-5 PPM
Sensor	Integrated

HYDROPUMP



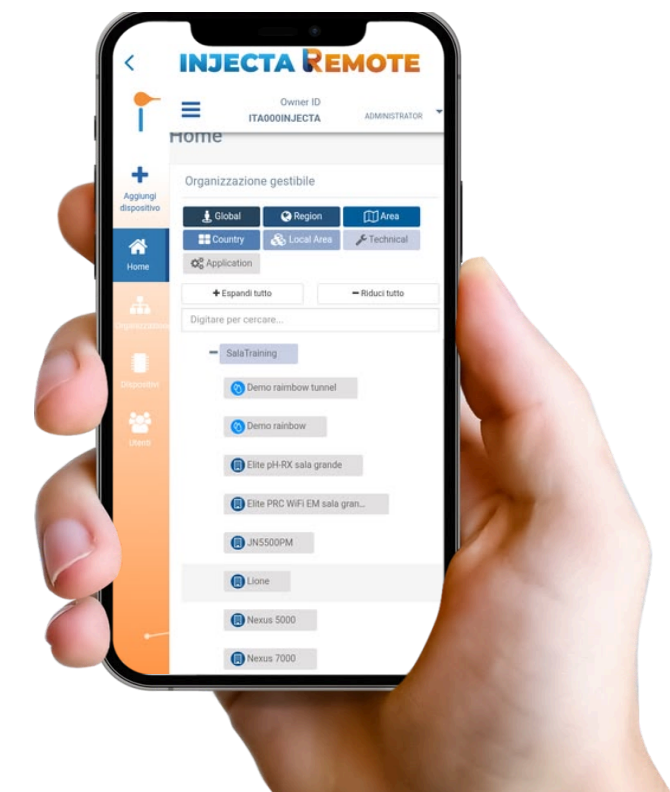
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Injecta Remote

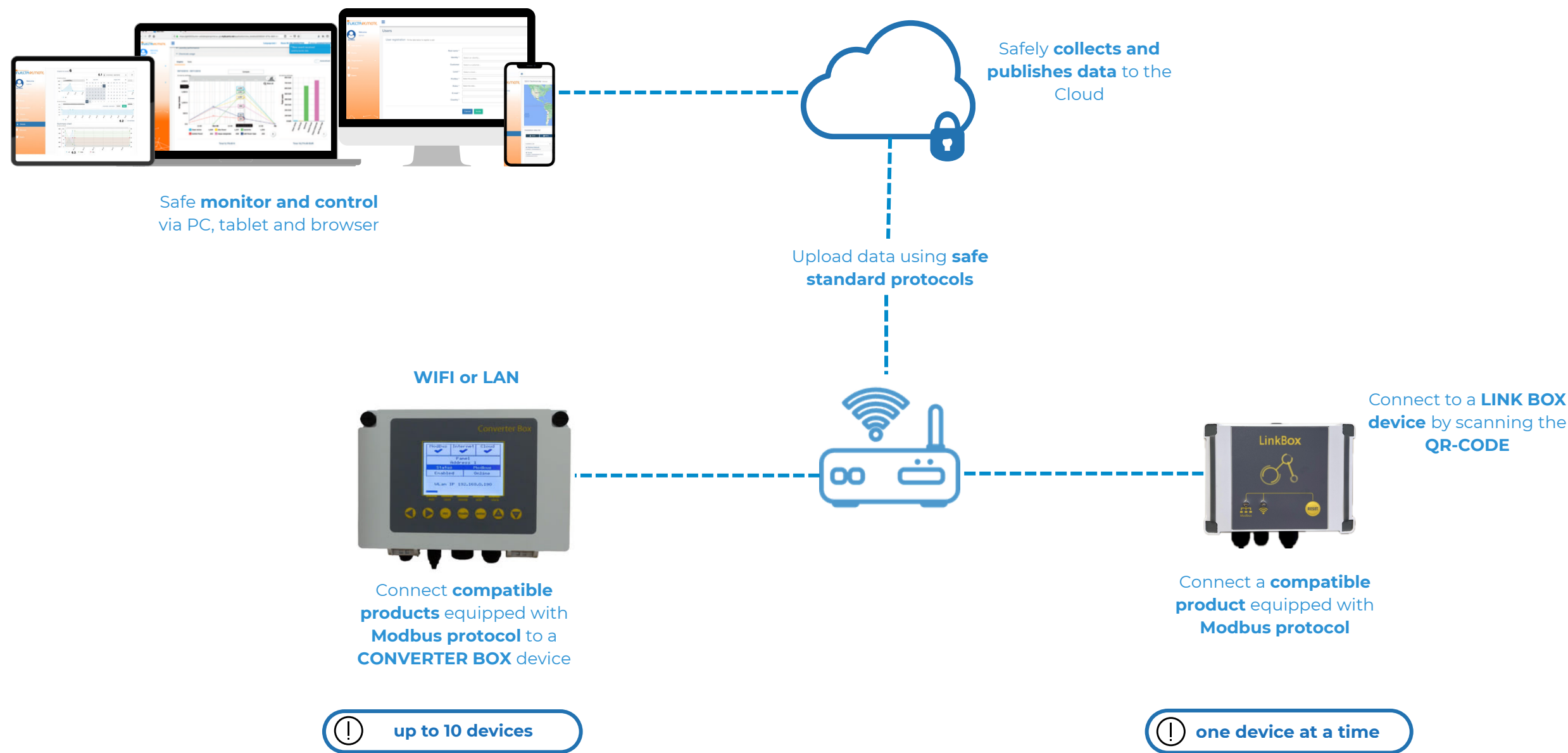
Injecta Remote is the advanced digital platform empowering users to monitor and control installations remotely, from any location globally.

Engineered for managers of **multi-site operations**, it provides a **unified interface** to **supervise processes, take immediate action, and optimize system performance**.

- Delivers centralized, real-time control
- Enables efficient, proactive management
- Facilitates remote diagnostics, minimizing the need for on-site visits
- Ensures a comprehensive user experience backed by continuous support and reliability



Remote Connection: Converter and Link Box



Serving as the gateway between Injecta systems and the **local network**, the Converter Box facilitates seamless data transfer to the Injecta Remote platform.

Compatible with any standard Internet connection, it **ensures secure remote control for authorized users**.

The device is capable of managing **up to 10 units** on a **shared RS485** wired network via the Modbus protocol.

Via an RS485 connection, the Link Box enables Modbus-equipped devices to interface seamlessly with a Wi-Fi network. Designed for dedicated single-device management, it ensures focused connectivity. An integrated QR code facilitates instant connection to the Link Box, granting users the ability to:

- Instantly access the **local WebServer**, even in the absence of an Internet connection.
- Configure **Internet settings**
- **Monitor operating values** in real time



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