Ensuring the future of extensive livestock farming in mountain territories

TAM — Total Agri Management ·
Intelligent Guardian for Mountain Agriculture,
by TAMIOT

You sleep. TAM watches.



In partnership with: **Euromontana** · **CIA – Agricoltori Italiani** · **Agri Solution & Tecnoplus**

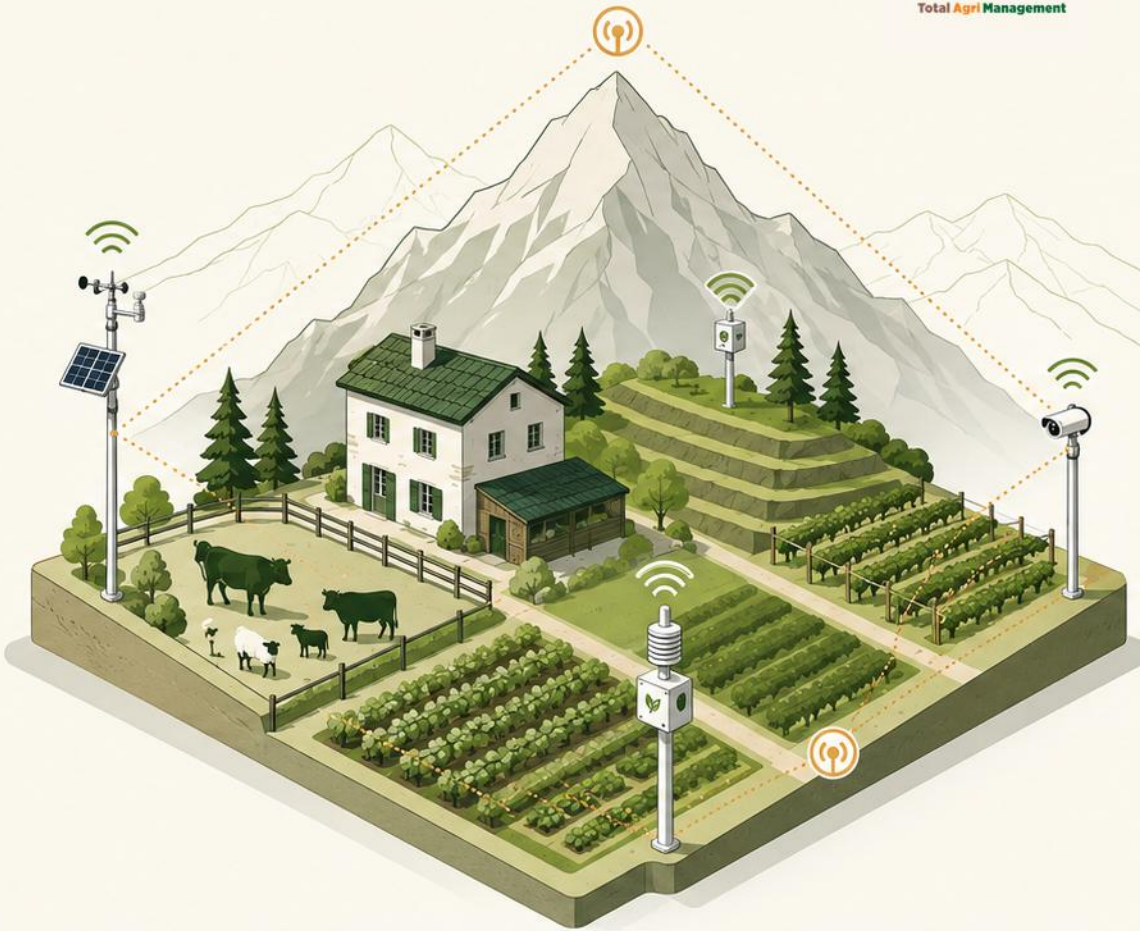
Who We Are

TAMIOT is an Italian agro-industrial technology company. We build IoT & AI systems that protect farms, livestock and food production 24/7.

Made in Italy

Agri-IoT + AI

EU data sovereignty



The Challenge of Mountain Farming

- Remote, hard-to-monitor sites
- Labour shortage & ageing farmers
- Thin margins, high risk
- Climate & livestock threats



Aligned with Euromontana's Mission

Keeping mountain territories alive, productive and sustainable.



Living mountains



Smart rural innovation



Resilient communities



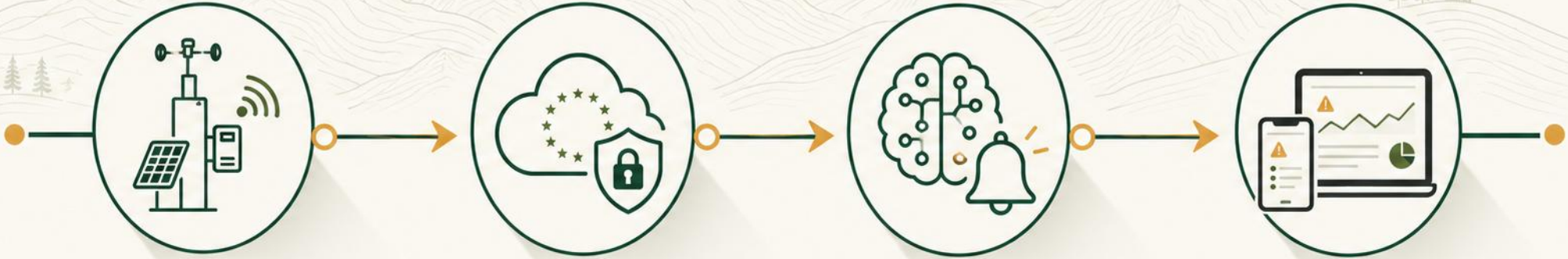
What is TAM

TAM is an integrated platform that watches over the farm while you rest.

You sleep. TAM watches.



How It Works

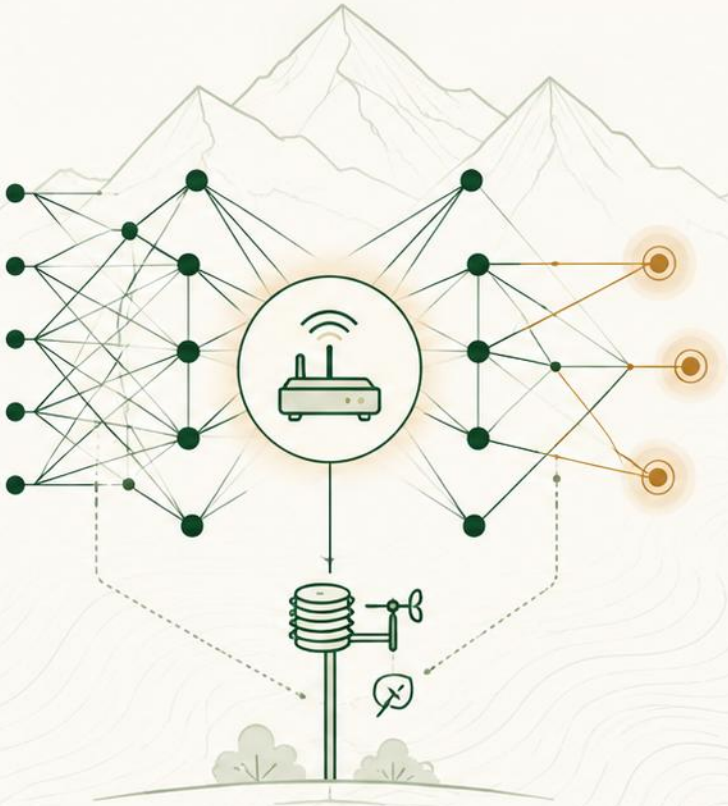


1. Field sensors & gateways
2. Secure EU cloud ingestion
3. AI analysis & alerts
4. Action on any device

The AI Layer

Predictive intelligence on top of real-time data — anomalies, risks and recommendations.

- **Anomaly detection**
- **Predictive alerts**
- **Natural-language assistant**



One Platform, Many Modules

TAM
Total Agri Management



1. Livestock barn



2. Pasture & grazing



3. Milking



4. Food safety (HACCP)



5. Risk & safety (DVR)



6. HR



7. IoT control units



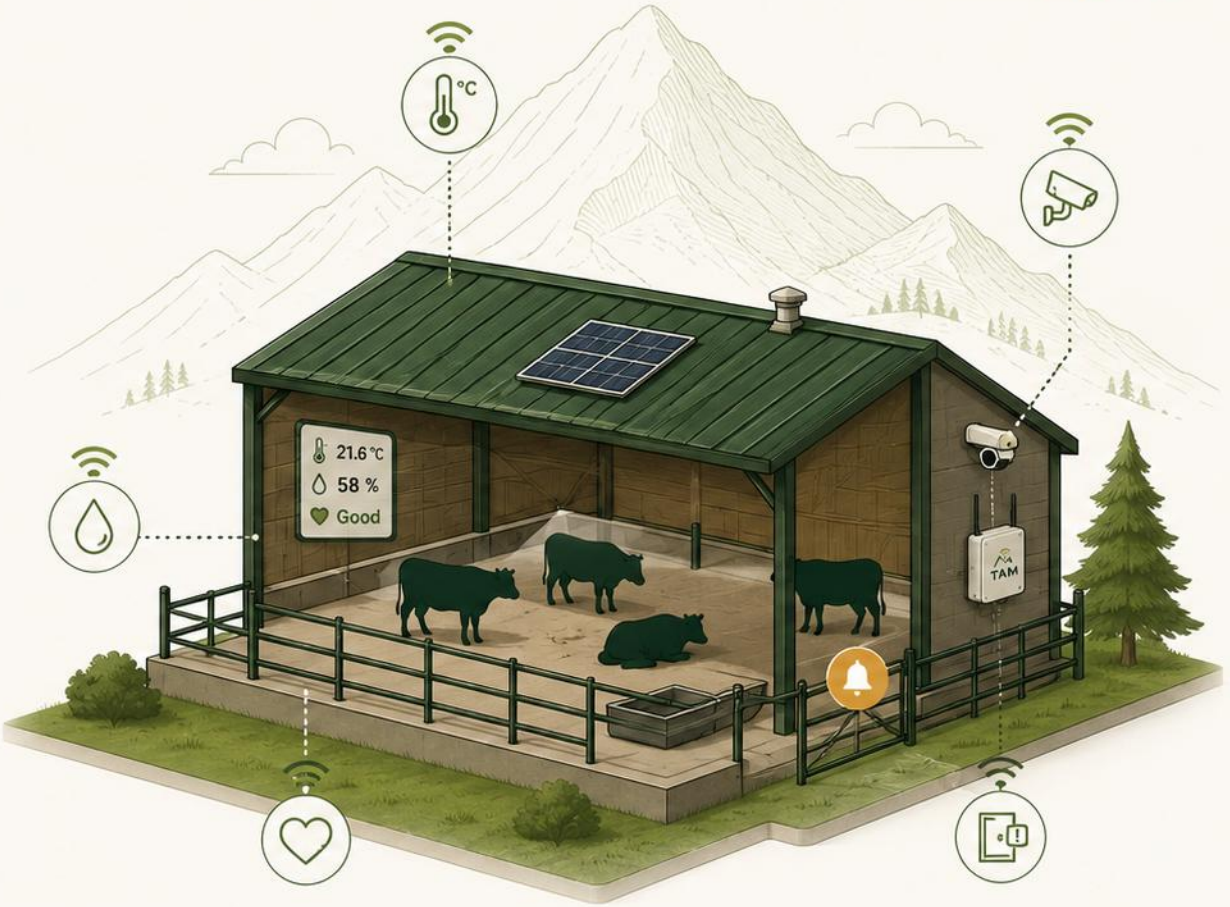
8. Voice



9. Quality

Livestock Monitoring

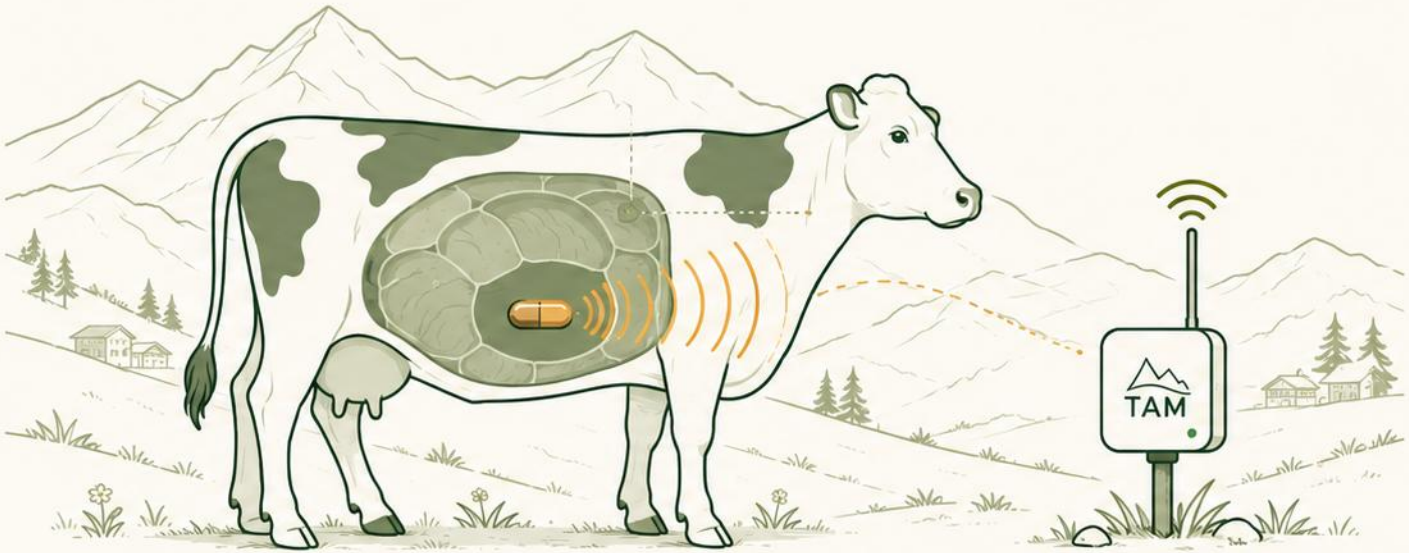
Temperature, humidity, animal welfare and intrusion alerts in real time.



TEMPERATURE	HUMIDITY	ANIMAL WELFARE	INTRUSION ALERTS
21.6 °C	58 %	Good	No Alerts

Ruminal Bolus Monitoring

A sensor inside the cow — real-time health from within the rumen.



- Rumen pH & fermentation
- Core body temperature
- Rumination & activity
- Heat detection & early disease alert

Bolus → TAM gateway → AI alerts on any device

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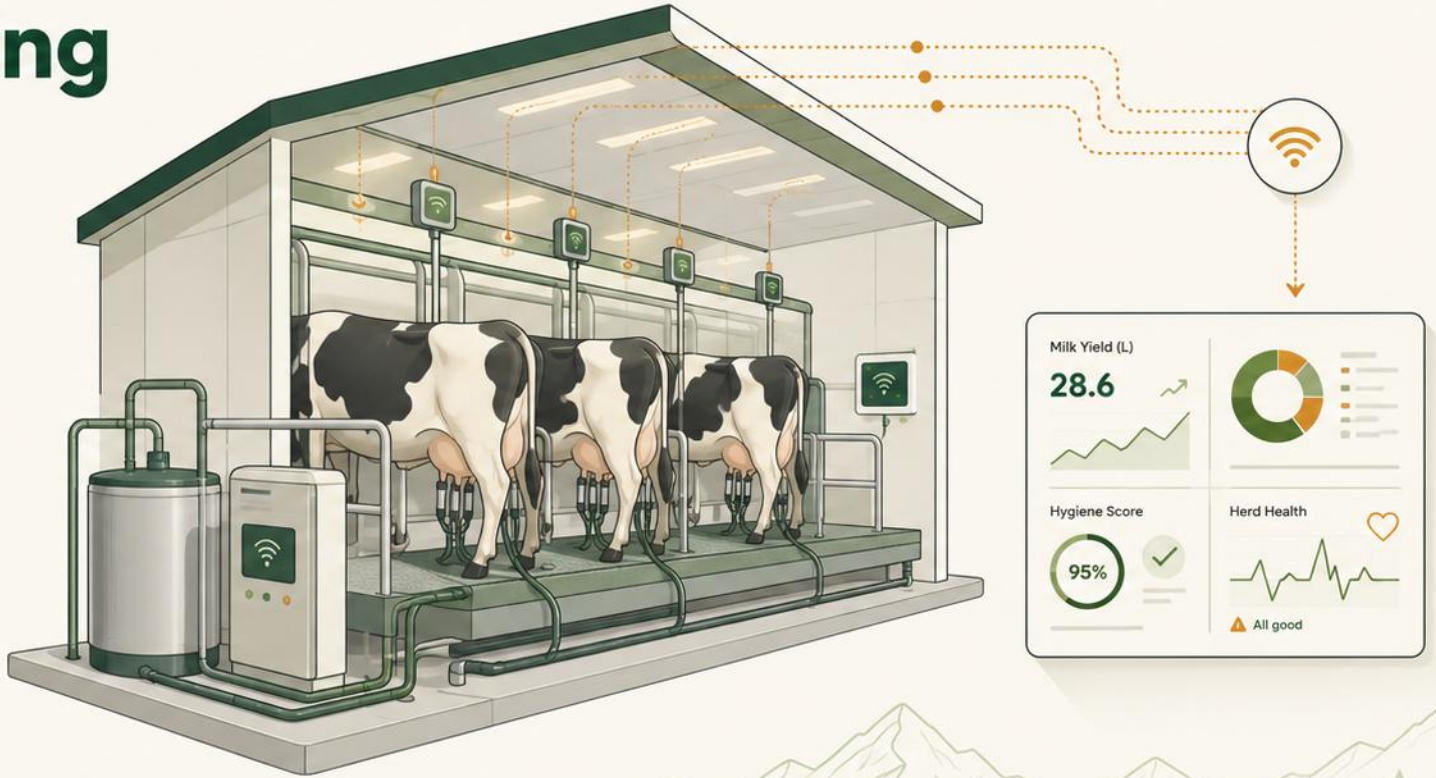
Smart Milking

Yield tracking, hygiene and herd health continuously monitored.

Milk Yield
Real-time yield tracking per cow.

Hygiene Check
Automated hygiene monitoring.

Herd Health
Health indicators and alerts for early action.



Autonomous Field Units

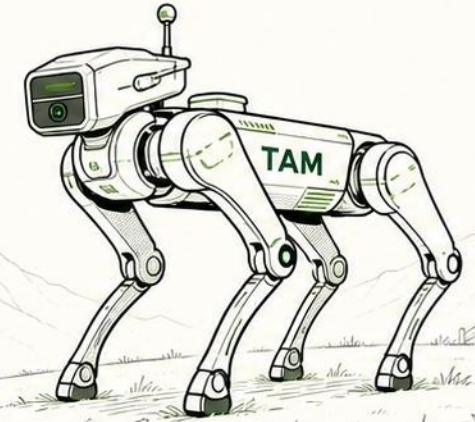
Eyes in the sky, boots on the ground — TAM patrols the farm 24/7.

TAM
Total Agri Management

Recon Drone



Shepherd Dog 5.0 (Unitree)



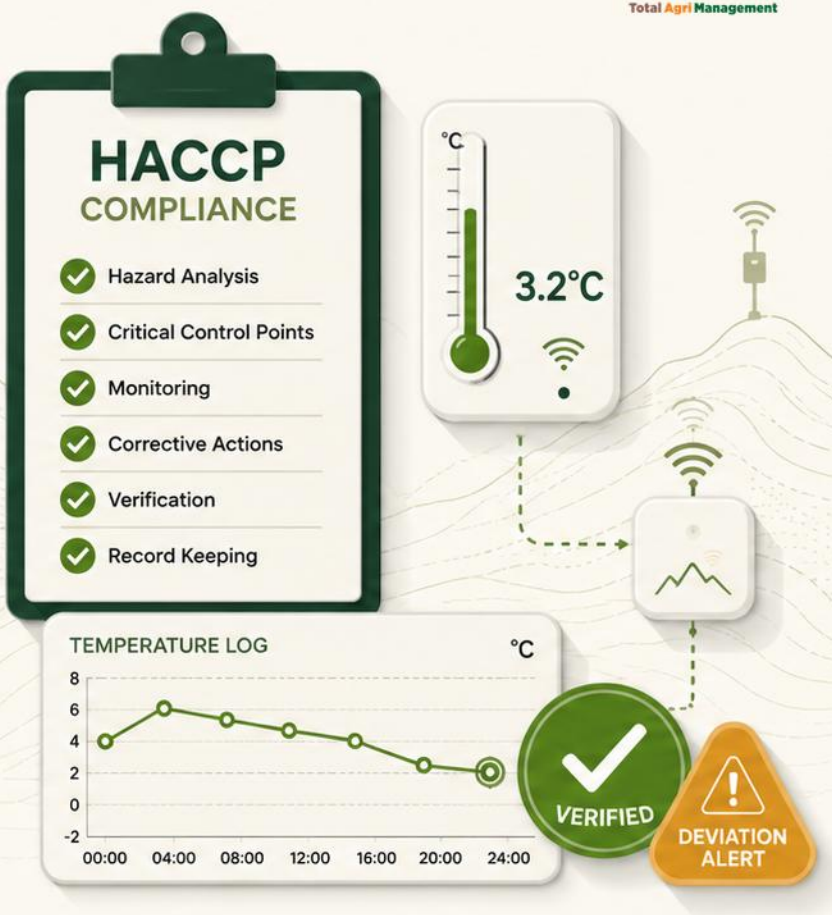
TAM

- Aerial surveillance
- Thermal & crop scan
- Livestock headcount
- Ground patrol
- Herd guarding
- Intrusion & predator alert

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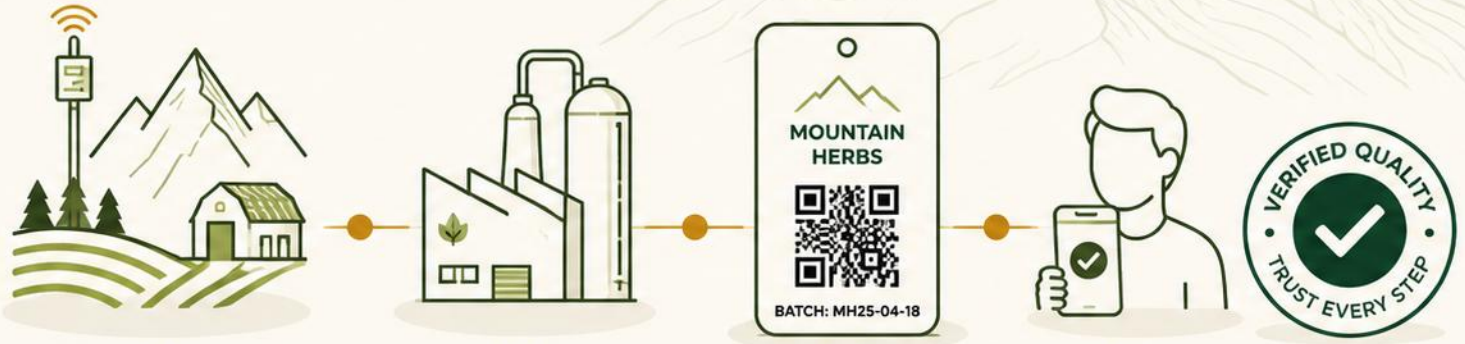
Food Safety & HACCP

Automated temperature logs, compliance records and instant deviation alerts.



Traceability & Quality

Every batch documented — full transparency from mountain farm to consumer.



MOUNTAIN FARM

IoT sensors monitor conditions and record every step.

PROCESSING FACILITY

Batches are processed, controlled and logged digitally.

PRODUCT LABEL / QR

Each batch has a unique QR code with a complete traceability record.

CONSUMER

Scan, verify, trust. Full transparency you can see.

Sustainability Impact

Less waste, optimized resources,
lower footprint for fragile mountain ecosystems.

Water saved

Energy optimized

Reduced losses



European Data Sovereignty

Hosted in the EU, GDPR-compliant,
full ownership of farm data.



Value for Mountain Communities

Keeps farms viable

Attracts young farmers

Strengthens local economy

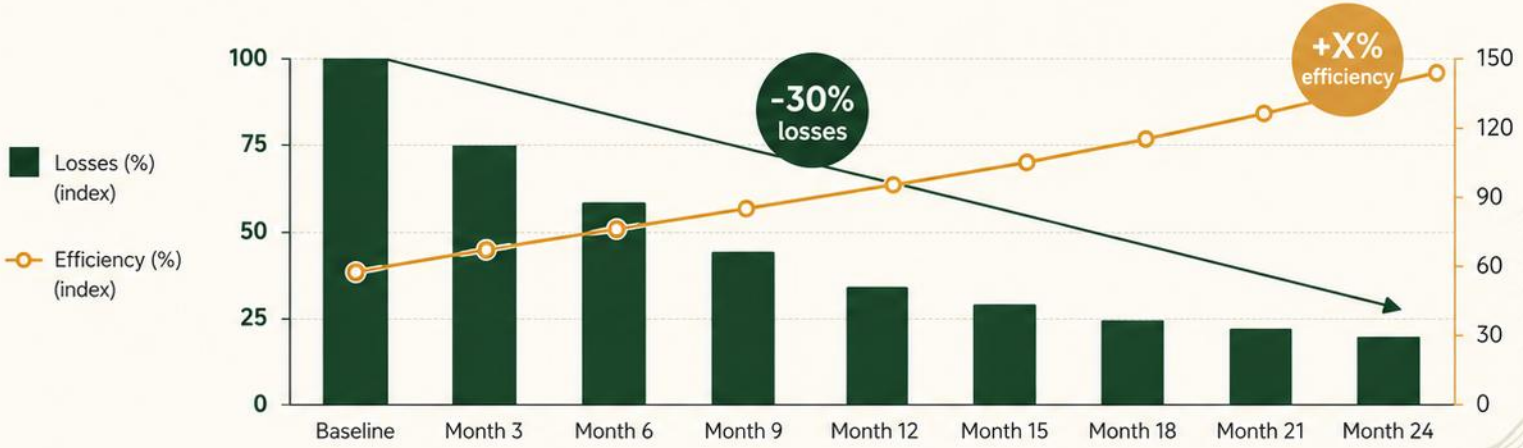


Proven Results

−30%
losses
Reduction in animal losses due to incidents

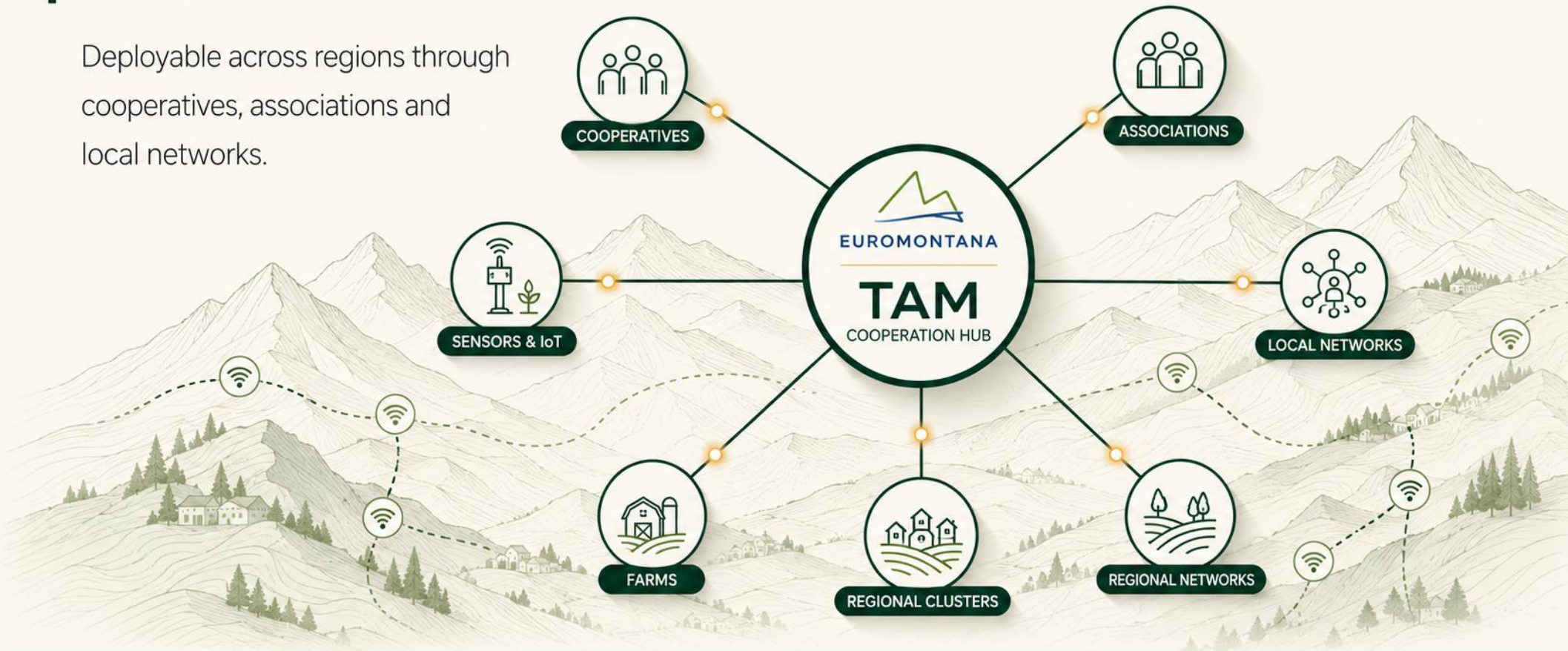
24/7
coverage
Continuous monitoring in all conditions

+X%
efficiency
Improvement in farm management efficiency



A Scalable Cooperation Model

Deployable across regions through cooperatives, associations and local networks.



Shepherd 5.0 — the shepherd of tomorrow

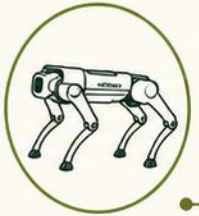
New skills for mountain pastoralism: technology that empowers, not replaces.



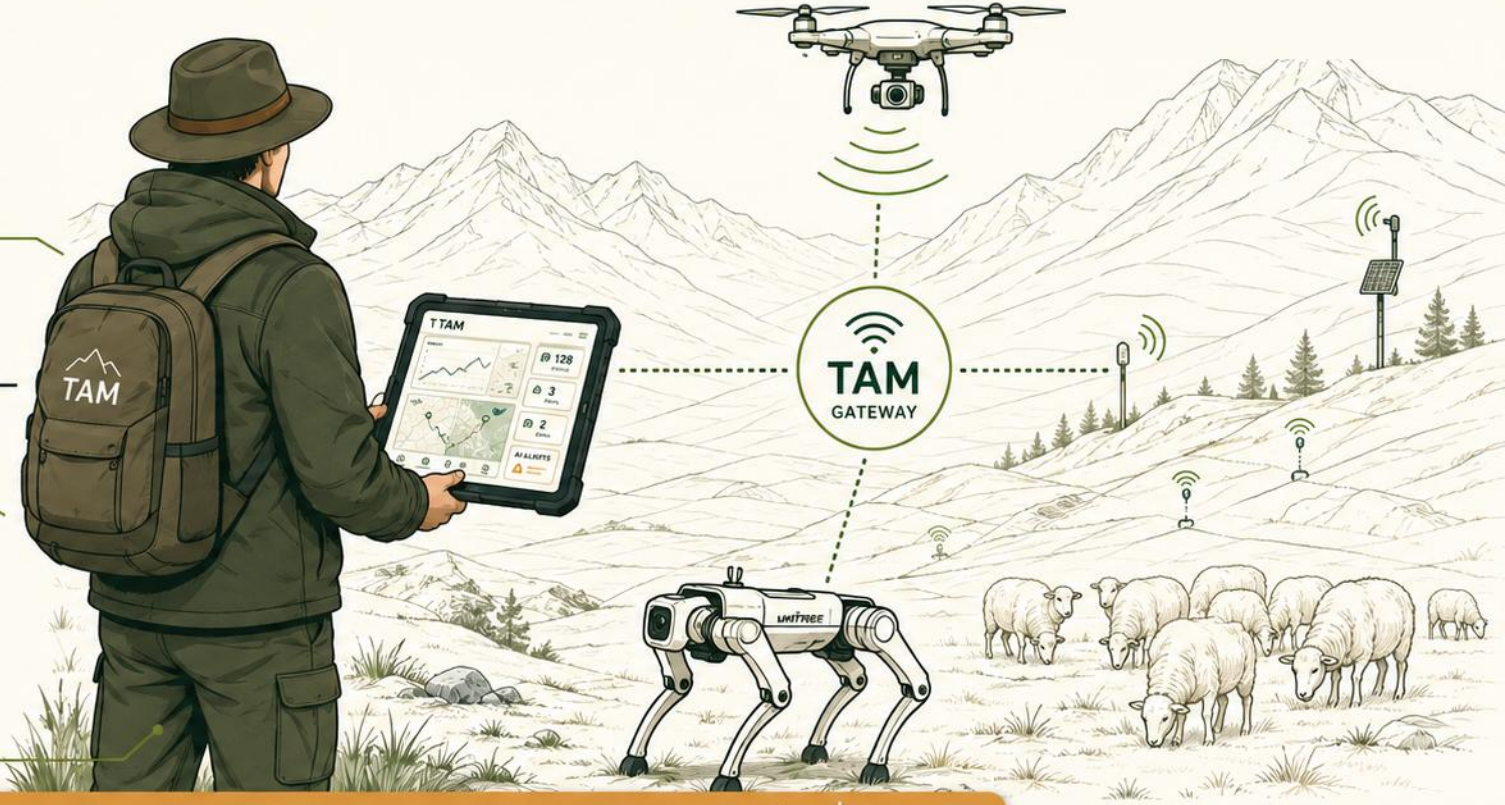
1 Operate the TAM software — read data, act on AI alerts



2 Fly the reconnaissance drone — aerial scouting of herd & terrain

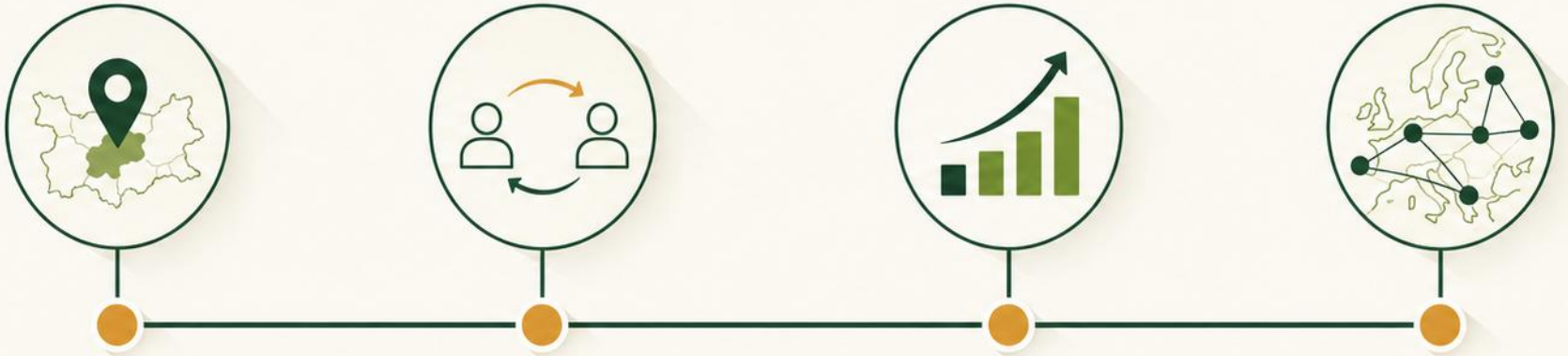


3 Command the robot sheepdog (Unitree) — autonomous herding & guarding



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Roadmap with Euromontana



Pilot regions
2026

Knowledge sharing

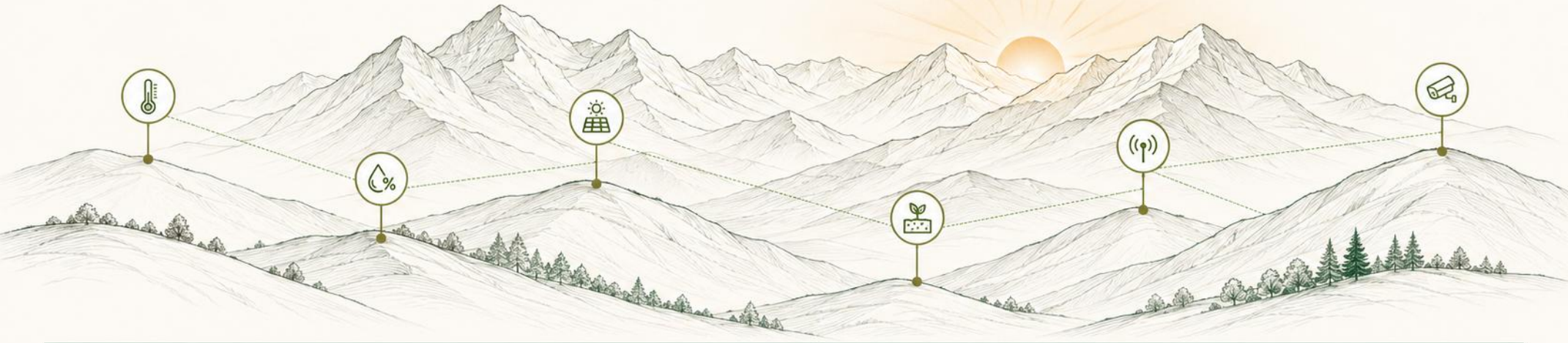
Scale-up
2027

Pan-European network

Let’s Protect Mountain Agriculture Together

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TAMIOT • www.tamiot.com • partnership@tamiot.com



Project partners

EUROMONTANA

AGRICOLTORI ITALIANI

AGRI SOLUTION
Soluzioni software al servizio delle imprese

TECNOPLUS
SOFTWARE
ENGINEERING



Where the shepherd meets the engineer, the future begins.

Four generations. One agro-pastoral future.

TAMIOT - Euromontana 2026