



INDEPENDENT · GRAIN & BULK · SINCE 1983

Independent Technical Support for Bulk Processing Facility Owners

Owner's Engineer · 360° Service · Project Supervision · Specialized Engineering
Site Execution · Plant Software · Silo Cleaning

FOR FACILITY OWNERS



www.agroinpro.com

Why facility owners need an independent technical ally

Grain and bulk facilities involve complex engineering, multiple suppliers and technologies, strict regulatory requirements, and significant capital at stake. Having an independent senior technical partner — aligned exclusively with the owner's interest — protects your investment, strengthens every technical decision, and ensures quality from the first design sketch through decades of operation. AgroInPro Group brings two generations of sector-specific expertise to work alongside you.



AgroInPro Group — with you at every stage

01

DESIGN & SCOPE

Independent scope review, basis of design verification, vendor-neutral specifications, constructability check.

02

CONTRACTS & DOCS

RAMS, HSE, ATEX documentation; RFI support; tender language review aligned with owner interest.

03

INTEGRATION

Multi-supplier coordination, interface & responsibility matrix, design consistency across packages.

04

EXECUTION & QA

On-site supervision, quality assurance, progress monitoring, punch list management.

05

COMMISSIONING

Performance test protocols, handover documentation review, acceptance criteria verification.

06

OPERATION & ASSET

Plant performance audits, maintenance strategy, storage quality, energy and cost optimisation.

WHO WE ARE

Independence is your protection

AgroInPro is a second-generation, independent Spanish engineering consultancy specialised in grain and bulk handling and processing.

Born from 40 years of industrial practice — manufacturing grain dryers and handling equipment since 1983. Today, an independent consultancy operating from Spain, Singapore, Vietnam and Hungary.

We hold no dealerships, no supplier agreements, no EPC alliances. That independence is not a brand claim — it is what allows us to challenge vendor proposals and defend the owner's interest without conflict.

OUR FOUNDATION

1983

Industrial origin in grain handling equipment

2014

AgroInPro established as professional consultancy

25+ yr

Average core team experience in the sector

4

Where we are:
Spain, Singapore, Vietnam, Hungary

EN/ANSI/AS

Engineering aligned with EN, ANSI and AS standards

One group, four specialised divisions

Each division has its own scope, methodology and deliverables. The combination is what makes AgroInPro a complete owner-side technical partner.

AgroInPro

Consulting & On-Site

Owner's engineer, 360° Service, project management, supervision, training, complete assemblies and procurement advisory.



YSE

YourSiloEngineer

Engineering, structural calculation review, design of special silos and tanks, RAMS and tender engineering, Vietnam fabrication.



YSS

YourSiloSoftware

BULK-WISE — integral plant management software for the grain and bulk industry, sold and supported directly to operators.



YSC

YourSiloCleaning

High-pressure cleaning, disinfection and hygiene machine for storage silos up to 6 m diameter. NO personnel entry is need it.



360° Service — independent integrated review

Our 360° Service is a structured, on-site review of the facility that integrates technical condition, operational performance and financial-operational reasoning into a single, independent report. It is designed for owners who need clarity before investing, before signing, before claiming or before scaling.

01 TECHNICAL

Design integrity, structures, equipment condition, process flow, constructability. Remaining useful life assessment.

03 FINANCIAL-OPERATIONAL

Cost structure, CAPEX vs OPEX challenge, payback reasoning — independent diagnostic, not a statutory financial audit.



02 OPERATIONAL

Throughput, storage behaviour, grain quality preservation, maintenance discipline, energy performance.

04 COMPLIANCE

RAMS, HSE, RFI, ATEX support, dust explosion prevention, site readiness, documentation completeness.



Key benefit: One coordinated engagement replaces multiple separate audits — reducing disruption, eliminating gaps between disciplines, and giving management a single, actionable roadmap with clear priorities and business-case reasoning.



Implementation follow-up included: Optional 6–12 month programme with monthly remote reviews, periodic on-site verification and contractor oversight — to ensure recommendations are actually implemented and results confirmed.

Project management, supervision & equipment assessment

Owner's Project Management

End-to-end management of new projects on the owner's behalf, defending the owner's interest across EPC, vendors and local contractors.

Site Supervision & Inspection

Mechanical, electrical and civil supervision; QA/QC; Open Package Inspection; punch list management; commissioning oversight.

Multi-Vendor Integration

Full procurement coordination when the owner buys from multiple suppliers. AgroInPro manages scope boundaries, delivery schedules and technical compatibility — so the client gets the best equipment from each specialist without the integration risk.



OWNER-SIDE PROJECT CONTROL

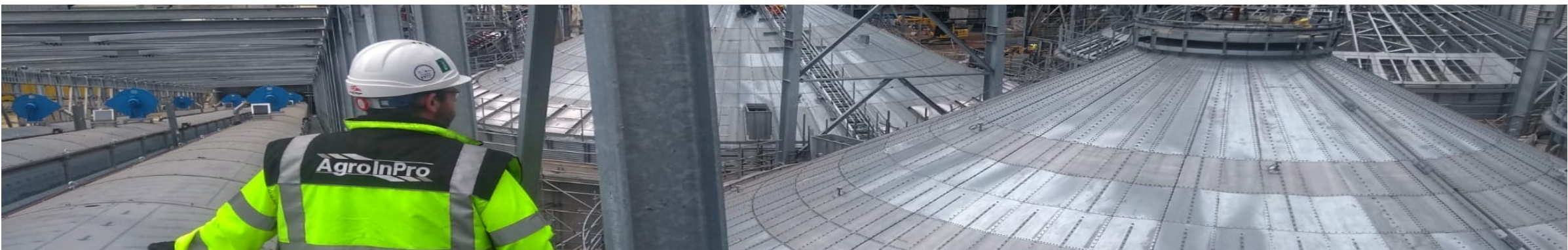
Project management, supervision & equipment assessment

Equipment & Facility Assessment

Independent inspection of machinery and installations to evaluate condition, refurbishment, insurance claim or warranty discussion.

Integrated Electrical & Controls

Unified electrical panel design and control system architecture for multi-supplier plants. We specify, procure and supervise the electrical integration so that all equipment — regardless of origin — operates under one coherent automation platform.



Technical Interface Management

Coordination of the technical interfaces where projects fail: civil ↔ structural, structural ↔ mechanical, mechanical ↔ electrical ↔ controls. Responsibility matrix and gap analysis included.

Construction & Commissioning Support

Dry tests, commissioning protocols, operational training and handover evidence — closing the gap between erection and reliable operation.

Incident & Warranty Investigation

Independent technical investigation following structural events, weather damage or warranty disputes; evidence collection and documented reporting.

Training programmes & independent procurement advisory

Training Programmes

Tailored training that converts a specification into operational capability.

Operational Training

Plant operators, supervisors and maintenance crews on safe operation of grain handling, drying, storage and aeration systems.

Erection & Assembly

Practical training for local crews on silo erection, mechanical equipment assembly and quality requirements before handover.

Software & Digital Tools

Onboarding for BULK-WISE, monitoring systems and CMMS workflows — ensuring the tools are actually used after handover.

Management & Governance

Training for plant management on technical decision-making, supplier interaction and operational KPI ownership.

Procurement Advisory

Independent technical-commercial advisory on suppliers, equipment selection and contractual terms — focused on what truly fits the owner's needs.

Tender redaction

Owner-side tender drafting that protects the owner contractually — see also YSE for engineering content.

Supplier shortlisting

Curated, neutral preselection of vendors based on technical merit and operational fit, not commercial relationships.

Bid technical comparison

Like-for-like technical evaluation that reveals what each bidder is really offering beyond the headline price.

Contractual & T&C support

Review of warranties, performance guarantees, retentions, liquidated damages and acceptance criteria from the owner's perspective.

Documentation, planimetry, maintenance & complete assemblies

Beyond supervision and 360°, AgroInPro executes selected on-site scopes directly when the owner needs a single accountable technical partner — particularly in countries where local execution capacity is limited or quality risk is high.

01

Base Planimetry & Standards Definition (Tender)

General arrangement drawings, civil interface drawings and definition of the project's technical standards before tendering — establishing the technical baseline the rest of the project will be measured against.

02

Site Document Control

Full document control during construction: as-built management, RFI tracking, site instructions, change orders, factory and site QA records, and final handover dossier.

03

Complete Assemblies

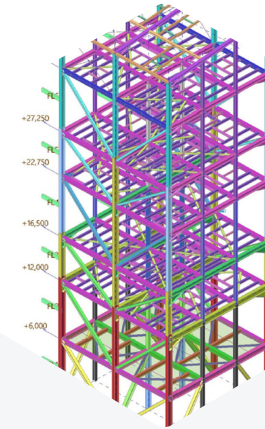
Turn-key assembly of grain handling, drying and storage facilities in selected countries, executed under AgroInPro responsibility with controlled scope and clear acceptance criteria.

04

Preventive Maintenance Programmes

Annual preventive maintenance contracts in selected countries — long-term maintenance agreements with software-supported planning to keep critical equipment in optimal condition.

Engineering, calculation review & special silo design



Independent Calculation Review

Third-party verification of structural and silo calculations performed by suppliers or EPCs: silos, hoppers, roofs, supporting structures, catwalks, towers. Reviewed under EN, ANSI or AS standards as applicable.

Special Silo & Tank Design

Design of special storage solutions when standard catalogue equipment does not fit: rectangular silos, special bottoms, refurbishment of existing silos, storage tanks for non-grain bulk materials.

Design Review of Third-Party Engineering

Critical review of supplier and EPC design packages before fabrication starts. Detection of design errors, missing load cases, weak details and constructability issues — saving cost and rework downstream.

Refurbishment Engineering

Engineering for the rehabilitation of existing silos and structures: structural diagnosis, repair design, capacity recalculation, coatings specification and life extension reasoning.

STANDARDS APPLIED · EN 1991-4 / EN 1993 / EN 1998 (EU) · ANSI / ASAE EP433 (US) · AS 3774 (AU) - as applicable to each project.

RAMS, compliance documentation & Tender engineering

Documentation is where projects either get protected or become exposed.

YSE prepares and reviews the technical documentation that determines contractual position, site safety and acceptance.

Compliance & Site Documentation

RAMS

Risk Assessment & Method Statements for site execution activities.

HSE

Health, Safety and Environment dossiers aligned with European standards.

RFI

Structured Request For Information protocols during execution.

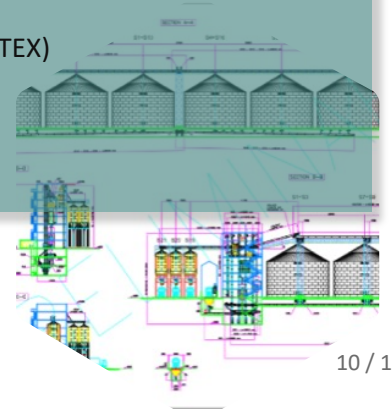
ATEX support

Documentation supporting compliance with ATEX requirements where applicable.

Tender Engineering for Owners

YSE prepares the technical content of the owner's tender — the layer that defines what bidders must comply with, on which the contractual position will rest.

- Technical specifications and acceptance criteria
- Reference layouts, planimetry and equipment schedules
- Performance and warranty requirements aligned with operational risk
- Standards and compliance framework (EN / ANSI / AS / ATEX)
- Supplier qualification and documentation requirements



All compliance terms used as “support / aligned with / as applicable” — AgroInPro provides engineering and review; it does not certify on behalf of statutory bodies.

Custom design & Vietnam fabrication support

AgroInPro designs steel structures, tanks, and auxiliary components to your specifications — following Eurocodes, ANSI/AISC, AS/NZS or local standards — and delivers complete fabrication drawings. We then supervise fabrication in Vietnam, combining world-class capability with significant cost savings, while you retain full control over quality.

What we design and support for fabrication

- ★ Steel building structures: frames, towers, support columns, catwalks and platforms
- ★ Grain conditioning tanks, storage vessels (round and square geometries)
- ★ Hoppers, transitions and project-specific bulk handling components
- ★ Walkways, handrails, stairs and access platforms
- ★ Auxiliary mechanical components for processing and handling lines
- ★ Complete cladding and roofing packages for industrial buildings

DESIGN

FABRICATION DRAWINGS

FABRICATION IN VIET NAM

AgroInPro supervision across the entire chain

WHY THIS MODEL

WORKS FOR OWNERS

- **Significant cost reduction**
Vietnam's steel fabrication industry offers highly competitive pricing — typically 30–50% below European or North American equivalents for comparable quality.
- **Designed to your needs**
Every component is engineered for your specific installation and applicable codes — not a generic catalogue item from the EPC supplier.
- **Full owner control**
You own the design, the drawings and the supplier relationship. AgroInPro supervises quality on your behalf — no dependency on a single contractor.
- **European engineering standards**
Designed in Spain to Eurocodes, AISC or the standard your project requires, with full documentation and traceability.



Integral SaaS platform for grain and bulk plant management

Your maintenance runs on spreadsheets, your stock on memory, your SCADA data stays trapped in the control room, and your management reports take days to compile. BULK-WISE replaces all of that with a single platform — designed by the same engineers who audit and optimize grain facilities worldwide.

BASIC – Operational foundation

Replace your spreadsheets from day one.

- Asset register with full plant hierarchy and QR identification.
- Centralized document management (Manuals, drawings, certificates)
- Preventive and corrective maintenance with checklist and traceability.
- Spare parts inventory with minimum stocks alerts
- AI Assistant: document search, technical Q&A, auto-generated machine cards.
- Table App with offline execution and photo capture.
- Users, roles and permission control.

ADVANCE – Industrial Intelligence

Real-time visibility and structured decision support.

- SCADA/PLC Live integration (OPC UA, Modbus, MQTT) with on-site edge agent.
- Real-time monitoring panel with alarm engine and signal historian.
- Document versioning with revision control and approval workflows.
- Multi-trade work orders with actual vs. estimated cost tracking.
- Advanced Inventory: Automatic reservation, purchase alerts, consumption analytics.
- Campaign and shutdown planning with Gantt sequencing and daily progress.
- Automated monthly and pre-campaign reports.
- 2D plat visualization with interactive asset pins.

INTELLIGENCE – Full predictive platform

From shop floor to boardroom.

- Predictive AI: failure pattern detection, automatic interval adjustment, recommendations.
- Executive dashboards: KPIs, cost per machine, availability, budget variance.
- Multi-platn and multi-company management.
- Maintenance cost control with lifecycle analysis for replace-vs-repair decisions.
- 3D plan navigation from existing DWG/DXF drawings or other 3D models.
- Advanced permit-to-work workflows (ATEX, confined space, LOTO).

Modular Add-Ons available at any tier: grain storage control, ATEX, HSE, traceability, HACCP, energy, OEE, benchmarking, digital twin, ERP connector and more.

Specialized vertical for grain and bulk — built on two generations of engineering knowledge.

The only platform where cross-client benchmarking is credible, because only an independent consultant with no ties to any OEM can offer it.

Cleaning, disinfection & hygiene for silos up to 6 m diameter

Cleaning is not a cosmetic activity. It directly affects contamination risk, pest pressure, operator safety and asset life. YSC operates a high-pressure orbital water-jetting machine designed specifically for storage silos up to 6 m diameter, where personnel entry is the highest-risk and lowest-quality option.

Machine capabilities

- Effective in silos up to 6m diameter
- Thorough interior disinfection without spray shadows
- Hot-water cleaning option
- Customised chemicals — dosed via integrated metering pump
- Quick set-up; cost-effective intervention
- Reduced personnel risk: operators do not enter the silo



Owner-side value

- Contamination prevention before product intake
- Safer interventions inside confined spaces
- Lower set-up time vs traditional manual cleaning
- Better outcome auditability for HACCP / GMP+ contexts
- Combinable with AgroInPro audits, coatings, ventilation and monitoring for full risk reduction

Engagement models adapted to project phase

AgroInPro's services scale from a single technical review to integrated multi-year engagements. The right model depends on phase, risk and decision criticality.

PRE - INVESTMENT	TENDER PHASE	EXECUTION	OPERATIONS
Technical Due Diligence 360° Service applied to a target asset or project: independent technical, operational and financial-operational diagnostic before commitment.	Owner's Engineer (Lite) Tender engineering, supplier prequalification, bid technical comparison and contract support — delivered in a focused engagement.	Full Owner's Engineer Continuous supervision, document control, QA/QC, commissioning oversight and handover readiness during construction.	Long-term Technical Partner Annual programme combining periodic 360° reviews, BULK-WISE deployment, YSC interventions and preventive maintenance support.

WHY AGROINPRO

The owner-side technical ally that reduces avoidable risk

Independence

Independent from manufacturers, suppliers and EPC contractors — no commercial conflict when challenging proposals or execution.

Senior expertise

Core team with 25+ years of experience across storage, drying, handling and processing — second-generation industrial knowledge.

Holistic 360° view

Technical, operational and financial-operational reasoning combined into single decision-ready reports — not isolated silos of analysis.

International delivery

Spain, Singapore, Vietnam and Hungary offices — projects supported worldwide with consistent European engineering standards.

Standards rigour

Engineering and reviews aligned with EN, ANSI and AS standards plus RAMS, HSE, RFI and ATEX support — no absolute compliance claims, only documented support.

Defended interest

We look after the owner's interest as if the asset were our own — measurable, traceable, defensible in front of contractors, insurers and boards.

AgroInPro is not another OEM. It is the client-side technical ally that reduces avoidable risk.

OUR CUSTOMERS

BUNGE



SILOMASTERS



PETKUS



FAMSUN
Integrated Solution Provider



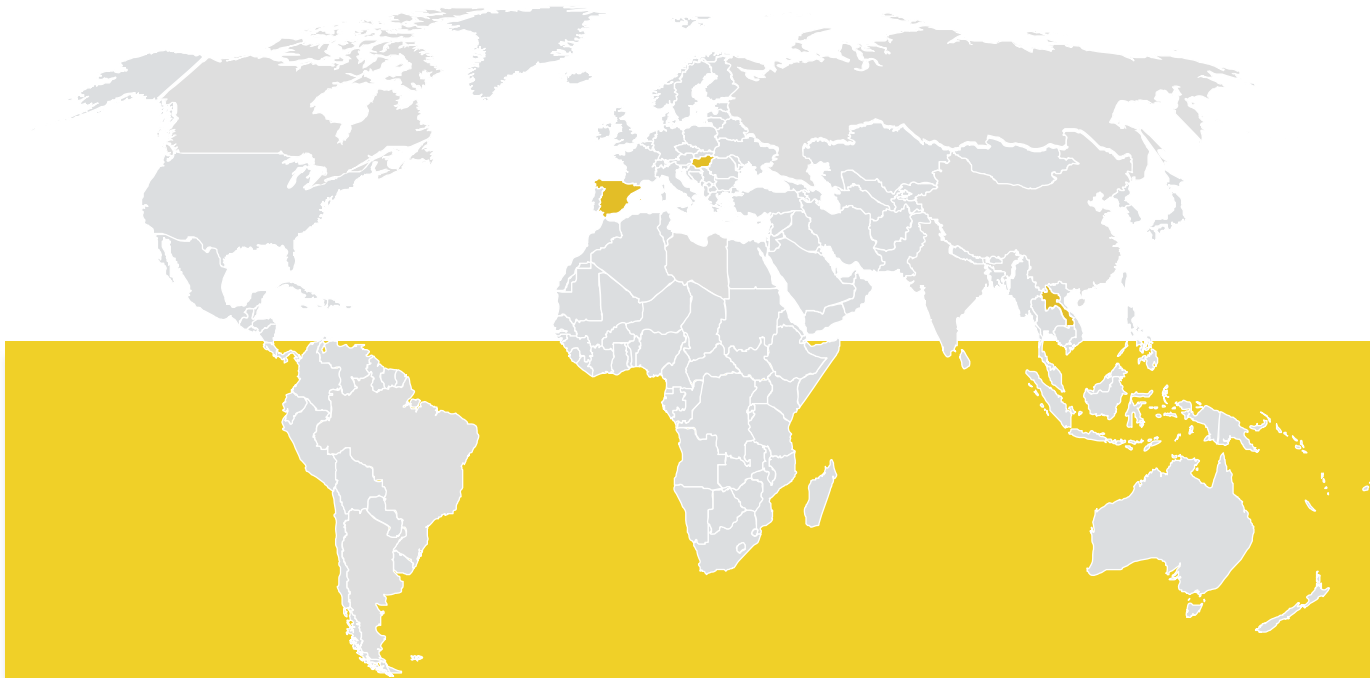
SILOS
SPAIN



GET IN TOUCH

Let's discuss your project

AgroInPro is available to support you in pre-investment due diligence, project tendering and execution, asset diagnosis and continuous improvement of grain and bulk facilities.



Get in touch

General questions:

Info@agroinpro.com

Commercial Manager:

Commercial@agroinpro.com

South East Asia Commercial:

tgk@agroinpro.com

General Manager:

Lsj@agroinpro.com

**“We don't sell equipment.
We protect your investment.”**

www.agroinpro.com

Independent engineering for grain and bulk handling facilities.