

SMARTREUSE

The AI Platform for Circular Manufacturing

We turn leftover inks, lacquers and coatings from hazardous waste into traceable industrial value.

AI • ERP • Reuse • ESG • Digital Product Passport

Business Case
2026

CoatDoctor

Factories pay twice for the same material.

First, they buy premium chemical materials. Then, when production ends, valuable leftovers are classified, stored and disposed as hazardous waste.

Material value is destroyed exactly where it could be reused — inside the factory.



paid to buy



paid to dispose

CO₂

created by waste

The hidden cost is not only environmental. It is raw material, disposal, compliance work, warehouse time and lost operator efficiency.

Manufacturing is entering a traceability decade.

ESG reporting, Digital Product Passport expectations, rising material prices and AI adoption are converging into one operational problem: factories need real data from the shop floor.

Cost pressure

Raw materials and disposal costs are rising.

ESG evidence

Factories need auditable sustainability data.

DPP readiness

Product data must become structured and traceable.

AI adoption

Industrial teams are ready for decision support.

SMARTREUSE sits at the intersection of cost reduction and compliance automation.

AI that makes reuse safe, measurable and repeatable.

SMARTREUSE connects production schedules, recipes, inventory and operator execution. It recommends the safest reuse strategy before the next batch is mixed.

Not “less waste” as a slogan. Less waste as a production decision.

Recipe intelligence

The system understands component compatibility and target formulation rules.

Inventory optimization

Leftovers are converted into production-ready opportunities.

Execution tracking

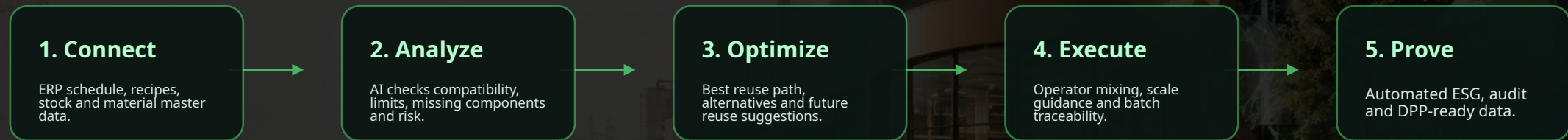
Operators mix with a guided workflow and real-time traceability.

ESG / DPP data

Every reuse action becomes evidence, not manual paperwork.

From ERP data to circular execution.

SMARTREUSE is not a dashboard. It is a closed-loop manufacturing system: analyze, recommend, execute, prove.



ERP → AI Engine → Operator Portal → Traceability Layer

Our AI does what spreadsheets cannot.

It understands formulation logic, component restrictions, leftover aging, production timing and operator execution — then chooses the highest-value safe reuse option.

**Result: reuse is no longer a manual “maybe”.
It becomes a governed decision.**

Decision Stack

- ✓ Recipe compatibility
- ✓ Line-specific constraints
- ✓ Leftover consumption logic
- ✓ Alternative materials
- ✓ Production sequence
- ✓ Audit data generation

The CFO and the ESG manager finally want the same thing.

SMARTREUSE connects financial savings with operational sustainability — without asking the factory to slow down.

27%

material reuse observed in pilot scenario



raw material and disposal exposure

100%

traceable reuse actions

Live

operator efficiency and compliance evidence

Less waste. Lower costs. Better control. Cleaner data.

Start narrow. Expand across industrial chemistry.

Initial beachhead: coatings, inks and metal packaging — where leftovers are expensive, production is recipe-driven, and traceability pressure is rising.

Beachhead

Coatings • Inks • Lacquers • Metal packaging

Expansion

Adhesives • Composites • Specialty chemicals

Platform Vision

Circular intelligence layer for manufacturing

Every factory with recurring recipes and expensive leftover materials is a potential SMARTREUSE customer.

Enterprise SaaS with high-value industrial modules.

We sell the operational layer that turns waste reduction into a repeatable business process.

**Land with savings. Expand with data.
Retain through process integration.**

Platform License

Core AI optimization, inventory logic, traceability and reporting.

Integration Fees

ERP, production schedules, material master and custom workflows.

AI Modules

Future Reuse, operator guidance, lab intelligence, compliance certificates.

Support & 20% reuse

Implementation, training, data validation and continuous improvement.

Built from inside real production.

SMARTREUSE was not imagined in a slide deck. It was shaped around real industrial constraints: recipes, operators, leftovers, schedules and line-specific rules.

The next milestone is not invention. It is commercialization.

Working

prototype with manufacturing data

ERP-ready

schedule + inventory integrations

Pilot

validated reuse logic

D1

cloud database architecture

A European circular manufacturing platform.

We scale from controlled pilots into a vertical platform for chemical-material reuse and compliance data.

2026

1

Industrial pilots

2027

2

Bulgaria scale-up

2028

3

CEE expansion

2029

4

Europe roll-out

2030

5

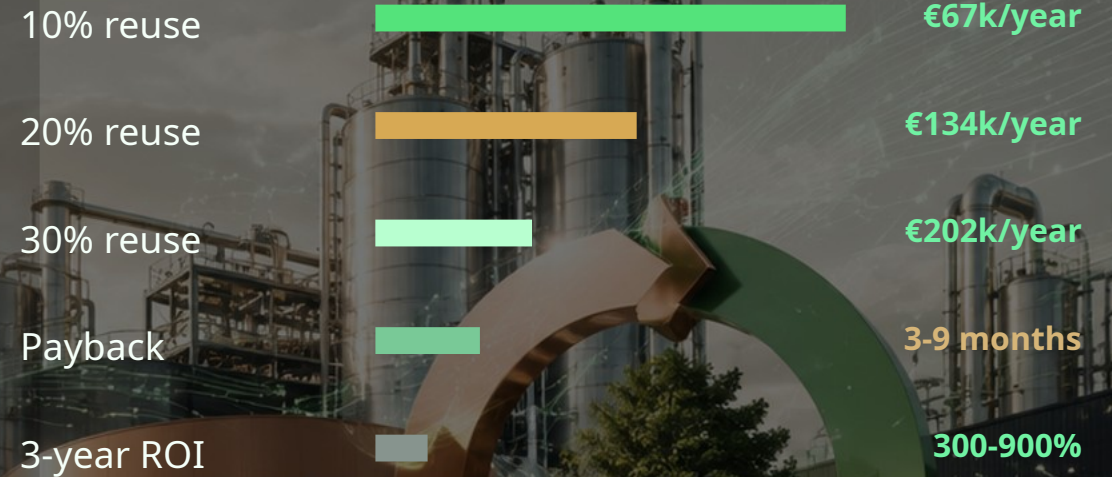
Global platform

Our ambition: make safe reuse the default operating mode for factories using complex chemical materials.

Measurable financial return for every factory.

SMARTREUSE turns unused material into controlled business value: less purchasing, less ADR waste, better inventory and ESG-ready traceability.

ROI Scenarios



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Less Waste. More Profit. Complete Traceability.