

Compliance Operations for Regulated Industries

Execution-control infrastructure for industries where every step must be verifiable.

The Sequential-Compliance Problem

Regulated industries share a structural problem that ERP systems and documentation tools do not solve. Compliance actions must be completed in a specific order. Each step must be verifiably authentic when challenged by an auditor. Paper, spreadsheets, and email-threaded approvals cannot provide this. Enterprise ERP platforms are designed around financial and planning flows, not execution-layer verification. The gap between the two is where compliance failures happen, audits stall, and fines accumulate.

The Execution-Control Architecture

Shrink Manager's architecture is built on three protected mechanisms:

- **Workflow-gated task completion:** each step in a compliance sequence must be verifiably executed before the next can begin
- **Temporal authenticity enforcement:** timestamps cannot be retroactively backfilled; records reflect what actually happened when
- **Dual-source corroborative verification:** human attestation corroborated by independent machine-generated evidence

Protected by nine USPTO provisional applications: four foundational (January to February 2026) plus five expansion (April 2026). Utility conversion planned for the 2027 statutory window.

Applications in Scope

- **International trade and export compliance:** customs classification, duty calculation, export licensing (EAR, ITAR, EU dual-use), certificate of origin generation, sanctions and denied-party screening, incoterms documentation. Each has the same workflow-gating and temporal-authenticity characteristics the platform is architected around.
- **Pharmaceutical manufacturing:** GMP documentation, batch records, quality release workflows, deviation management, CAPA tracking.
- **Medical device production:** design history files, device history records, 21 CFR Part 820 quality system documentation and equivalents.

Architectural Validation

Shrink Manager has been running in live production for over two years in food and beverage traceability, processing more than 1M verified execution events annually across 10 institutional production sites. The deployment validates the architecture's capacity to handle high-volume, audit-exposed, multi-site operations. Commercial deployment in trade, pharmaceutical, and medical device verticals is in early scoping; Shrink Software is actively seeking first pilot partners in each.

9 USPTO patents pending	2+ yrs live in food production	1M+ verified execution events
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For Channel Partners and Early Pilot Customers

Shrink Software is seeking in-country distributors, compliance consultancies, and systems integrators who serve regulated industries in their markets. Because these verticals are new commercial territory for the platform, early partners participate meaningfully in product direction. SaaS margin shared; implementation and industry-specific configuration services revenue retained by the partner.

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