TRACKVISION AI • CASE STUDY • FEBRUARY 2026

Enterprise-Grade Traceability for Small-Batch Pharma — Delivered in 30 Days

How Hudson Scientific met DSCSA full-enforcement requirements across every site in 30 days — without the cost or complexity of legacy enterprise systems.

INDUSTRY	LOCATION	PRODUCTION MODEL
Pharmaceutical & Medical Equipment Manufacturing	**Hudson, Michigan**	**Small-batch medical kits (60–100 units per run)**

30 days	40+	4 hrs → 1 min	Zero
From contract to full DSCSA compliance	Trading partners onboarded to EPCIS	Product recall look-up time	Verification failures since go-live

THE CHALLENGE

Hudson Scientific is a specialty pharmaceutical manufacturer in Hudson, Michigan, producing small-batch medical kits — typically 60 to 100 units per run — for both U.S. and export markets. As the November 2023 DSCSA full-enforcement deadline approached, Hudson faced a steep climb: no serialization infrastructure across its sites, and a network of 40-plus trading partners that all needed to be brought online for compliant electronic data exchange in GS1 EPCIS format.

For a manufacturer running small batches across a niche product line, traditional enterprise track-and-trace platforms can be cost-prohibitive and slow to deploy. Hudson needed a solution that would meet DSCSA requirements without the overhead of legacy enterprise software — and it needed to be ready in weeks, not quarters.

What DSCSA Requires

Unique Serial Numbers:	Every saleable unit requires a unique identifier (SGTIN) on a GS1 DataMatrix label
Transaction Data:	Transaction Information (TI), Transaction History (TH), and Transaction Statements (TS) at each ownership transfer
Product Verification:	Authorized trading partners must verify product authenticity at the point of dispense
Saleable Returns:	Wholesalers must verify serialized products before returning to saleable inventory
Full Interoperability:	Electronic, interoperable track & trace across the entire supply chain — effective November 2023

THE SOLUTION

TrackVision AI partnered with IPSi to deploy a cloud-based track-and-trace solution built for specialty manufacturers. Three components work together as one platform:

- **TrackVision AI** — serialization, batch tracking, and trading-partner data exchange.
- **Loftware Cloud** — compliant label design and printing.
- **Integrated Productivity Systems, LLC (IPSi)** — integration of Loftware and TrackVision, enabling one-button printing of DSCSA-compliant labels for both drug packages and shipping boxes.

The combined platform automated data capture, batch creation, serialization, and label production — eliminating manual steps and producing audit-ready traceability records from the first run.

PRODUCTS IN SCOPE

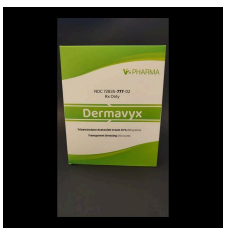
The deployment covers Hudson Scientific's full medical kit portfolio — including the V2 Pharma branded products below — with serialized GS1 DataMatrix labels on every saleable unit and SSCC labels on every shipping carton.



Trionex™
Calcipotriene Cream 0.005% kit



Lefluniclo™
Leflunomide + Diclofenac kit



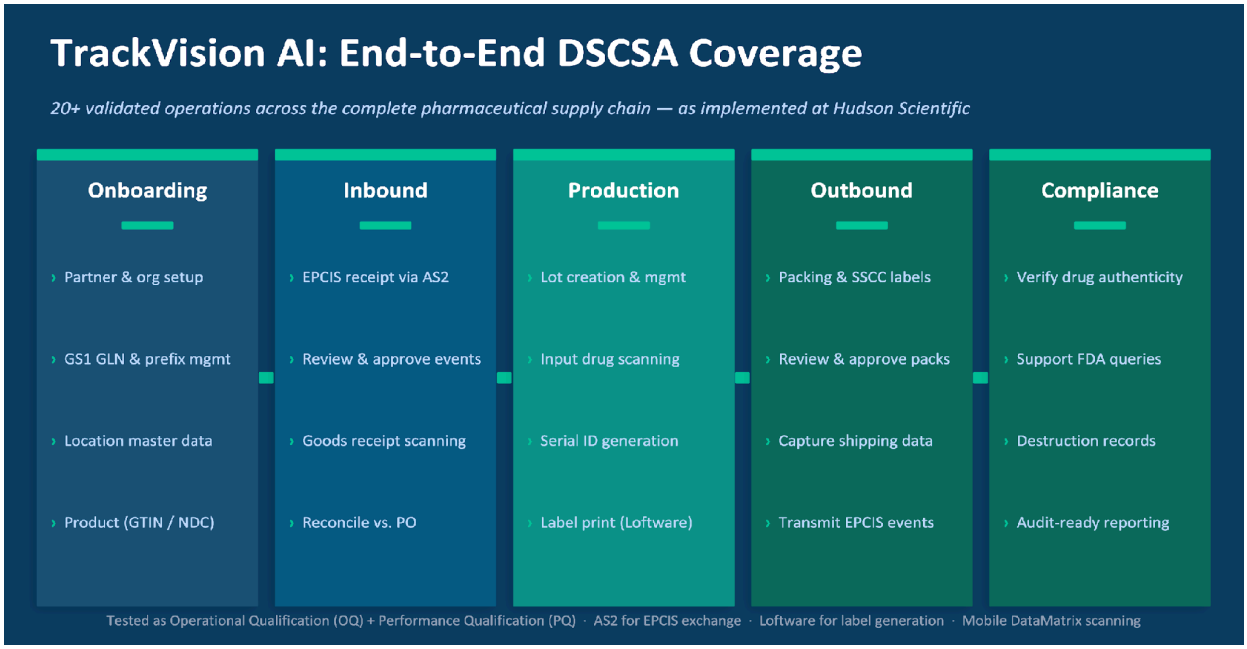
Dermavyx™
Triamcinolone Acetonide kit



Cipotrex™
Calcipotriene Cream 0.005% kit

THE IMPLEMENTATION

From contract signature to full DSCSA compliance across every Hudson Scientific site took 30 days. The platform was integrated into existing business processes; lot management, label generation, and GS1 EPCIS event reporting were activated as a single workflow. Electronic data exchange with all 40-plus trading partners went live on the mandated standard, supported by our partnership with Trust.med — no parallel system, no extended cutover.



> *"As a producer of medical kits that include prescription drug components, we were looking for an affordable DSCSA solution that could be implemented quickly while integrating neatly into our existing business processes. TrackVision and IPSi delivered for us on all fronts, and we were up and running in 30 days."*
>
> **— Dr. Yasser Sadek, CEO, Hudson Scientific**

RESULTS & OUTCOMES

Since go-live, Hudson Scientific has run on the platform without a single product verification failure. Compliance work that previously consumed days of manual effort now happens automatically as part of the production workflow.

- DSCSA-compliant labeling with zero rework.
- Faster production runs with reduced manual effort.
- Audit-ready traceability and serialization records.
- Full electronic data exchange with every trading partner.

30 days	From contract signature to full DSCSA compliance across all Hudson Scientific sites
100%	Of trading partners onboarded to GS1 EPCIS electronic data exchange
4 hrs → 1 min	Reduction in product recall look-up time using the TrackVision AI traceability dashboard
Zero	Product verification failures since go-live — full DSCSA audit readiness

Compliance, turned into a competitive advantage.

TrackVision AI + IPSi + Loftware Cloud gives specialty pharmaceutical manufacturers enterprise-grade traceability — delivered in weeks, not months — at a cost that fits small-batch production.

Talk to us → **hello@trackvision.app**

TrackVision AI partners with IPSi and Loftware Cloud to deliver enterprise-grade traceability to specialty pharmaceutical manufacturers. We help small-batch producers meet DSCSA and global serialization standards quickly, affordably, and without disrupting existing operations.