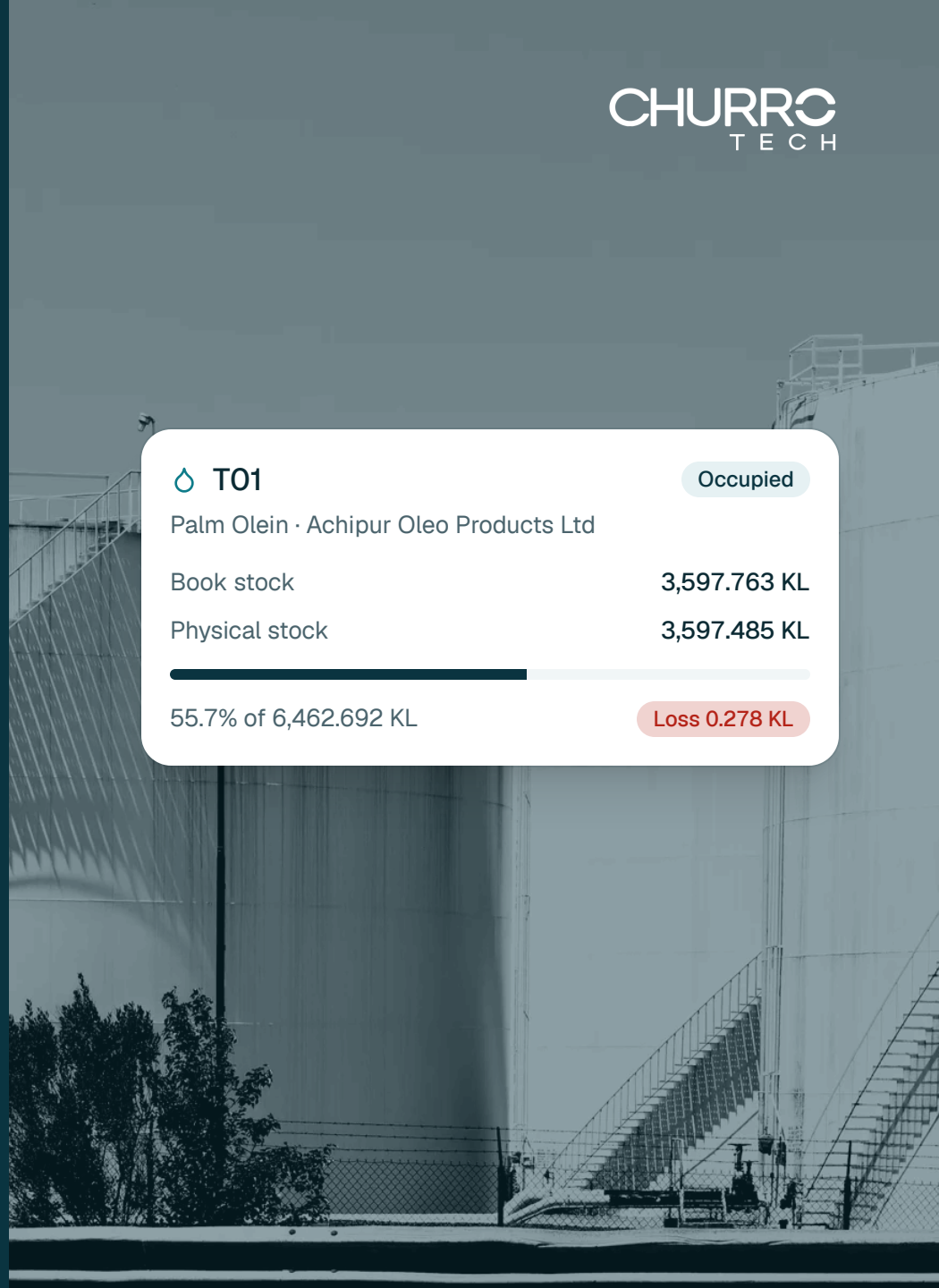
TankPulse

CHURRO TECH

Stock Accounting System for Bulk Liquid Terminals

Digitize, track, and audit your liquid storage operations, end to end.



swarnim@churro.tech

LinkedIn

Managing bulk liquid storage is complex, and the data is everywhere

Scattered Excel Sheets

Daily tank readings live across dozens of spreadsheets. Finding, cross-checking or reporting wastes hours every day.

No Centralized Visibility

Multiple tanks, terminals and clients, with data sitting in siloed files and no single view of the operation.

Audit & Reporting Risk

Tracing receipts, dispatches and internal transfers across months is slow, error-prone and exposes the business.

Unexplained Stock Losses

Book and physical stock drift apart. Losses surface late, with no record of why they happened.

Numbers Nobody Can Defend

When a client questions a figure, there is no record of who entered it, who changed it, or when.

Missed Renewals

Licences and client contracts sit in separate files, and their expiry dates are easy to miss.

A purpose-built stock management platform for bulk liquid storage terminals.

One unified system to record daily readings, manage stock levels, log dispatches and receipts, and generate stock reports.

What you get

- Stock position for every tank, across all terminals, updated with each entry
- Structured daily readings, with no more scattered Excel sheets
- Stock reports on demand, downloaded as Excel

Your team takes dips the way it does today. TankPulse records them and keeps the stock accounts.



Built for any industry that stores bulk liquids

If you have bulk liquid storage tanks at your facility, TankPulse is built for you.

- Petroleum & Fuel Terminals
- Chemical Storage Facilities
- Edible Oil Processors
- Pharma & Solvent Manufacturers
- Refineries & Petrochemical Plants
- Third-Party Liquid Storage Operators

Everything you need to run a tight, auditable operation

4 Recording types

Readings · Receipts · Dispatches · Internal Transfers

3 Report types

Daily Loss/Gain · Monthly · Vessel

13 Types of record covered by the audit trail

Who changed it, when, and the value before and after.

6 Calculation formulas, chosen by product and tank type

Including KL products and internal floating roof tanks.

Every record carries a user, a timestamp and a tank. Built for audit.

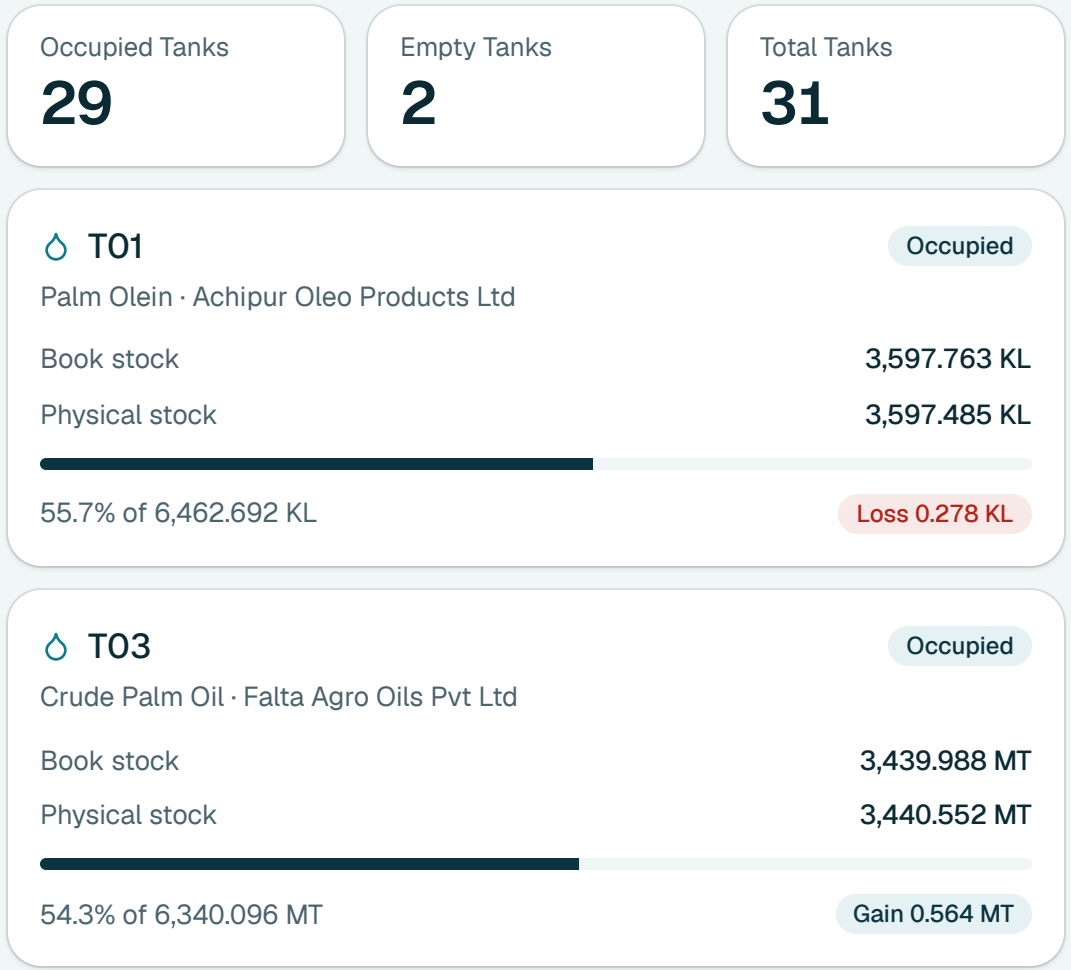
Tank Overview

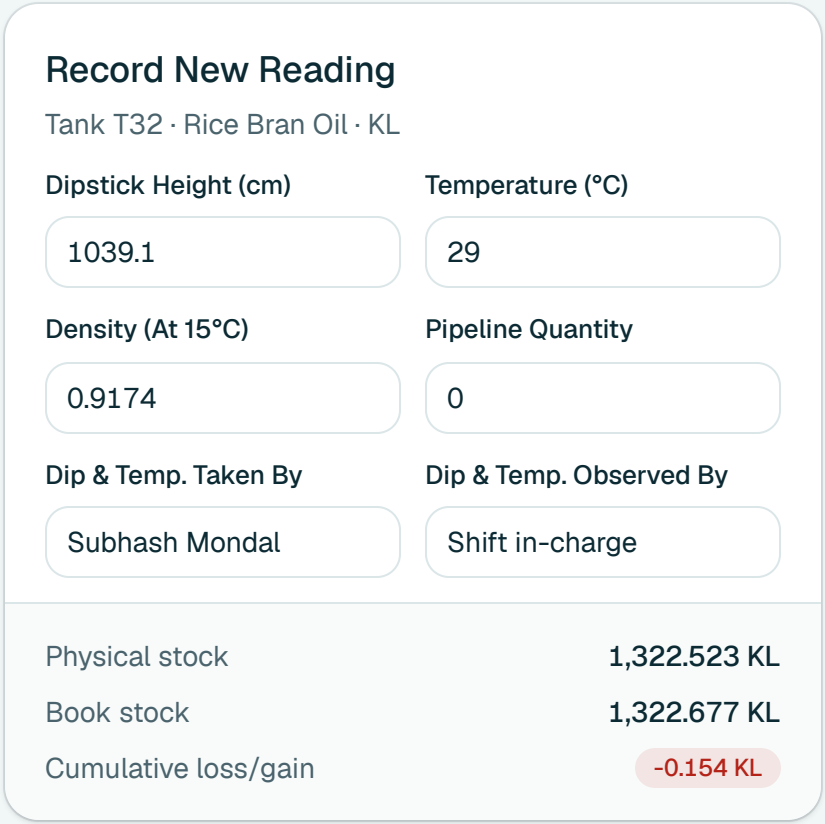
Complete visibility into every storage unit.

Before TankPulse

Knowing what was in a tank, and for whom, meant going through several files.

- View all tanks by status: Occupied, Empty or Maintenance
- Filter by terminal, client or status, and search by tank or product
- Book stock and physical stock side by side for every tank
- Capacity bars showing current stock against tank capacity
- Stock loss or gain shown on each tank, in KL or MT





Daily Recordings

Structured, verifiable data entry for every tank.

Before TankPulse

Readings sat in different sheets, stock was worked out by hand, and nothing showed who did it.

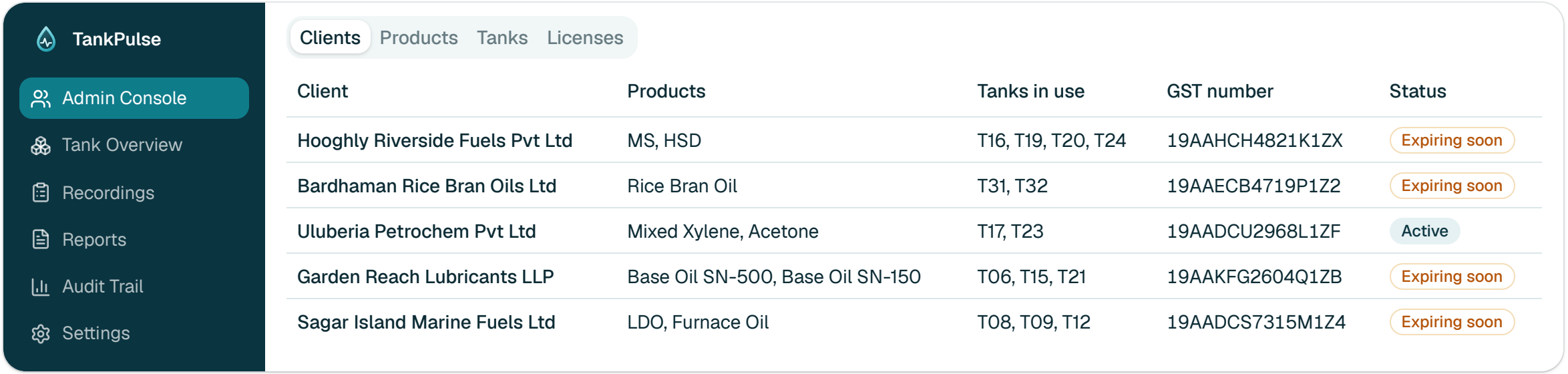
- ✓ Daily dipstick readings: height, temperature, density at 15°C
- ✓ Automatic VCF (Volume Correction Factor) calculation
- ✓ Stock calculated from each tank's own calibration chart
- ✓ Pipeline volume adjustments
- ✓ Receipts, dispatches and internal transfers, all logged
- ✓ Every record tied to a user, a timestamp and a tank

Centralized master data management

One source of truth for clients, products, tanks and licences.

Before TankPulse

Client, product, tank and licence details were kept in separate files, and went out of date.



Client Management
GST numbers, contract dates and PoC details.

Product Management
Link products to clients and set KL or MT as the unit.

Tank Master
Capacity, classification, bonding, roof weight and charts.

License Management
Validity tracking, with email reminders before expiry.

On-demand stock reports, generated in seconds, not hours

Before TankPulse

Stock reports were built by hand, every time someone needed one.

Report Types

Daily loss/gain, monthly tank statements and vessel reports, by date range, client and tank.

Excel Export

Formatted XLSX download, ready for clients and management review.

Historical Access

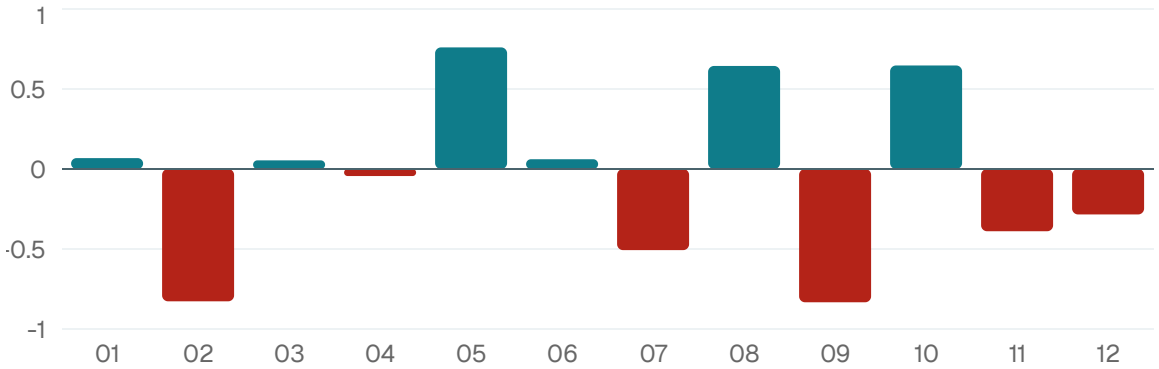
Any period up to 366 days. Corrections carry through to the report automatically.

Daily Loss/Gain | Monthly | Vessel

Download Excel

Monthly Report: T01, Palm Olein, 1 to 12 November

Day's loss/gain in KL, with quantities below in KL



Date	Delivered	Closing book	Physical	Cumulative
10/11	88.794	3,723.407	3,723.802	+0.395
11/11	48.196	3,675.211	3,675.217	+0.006
12/11	77.448	3,597.763	3,597.485	-0.278

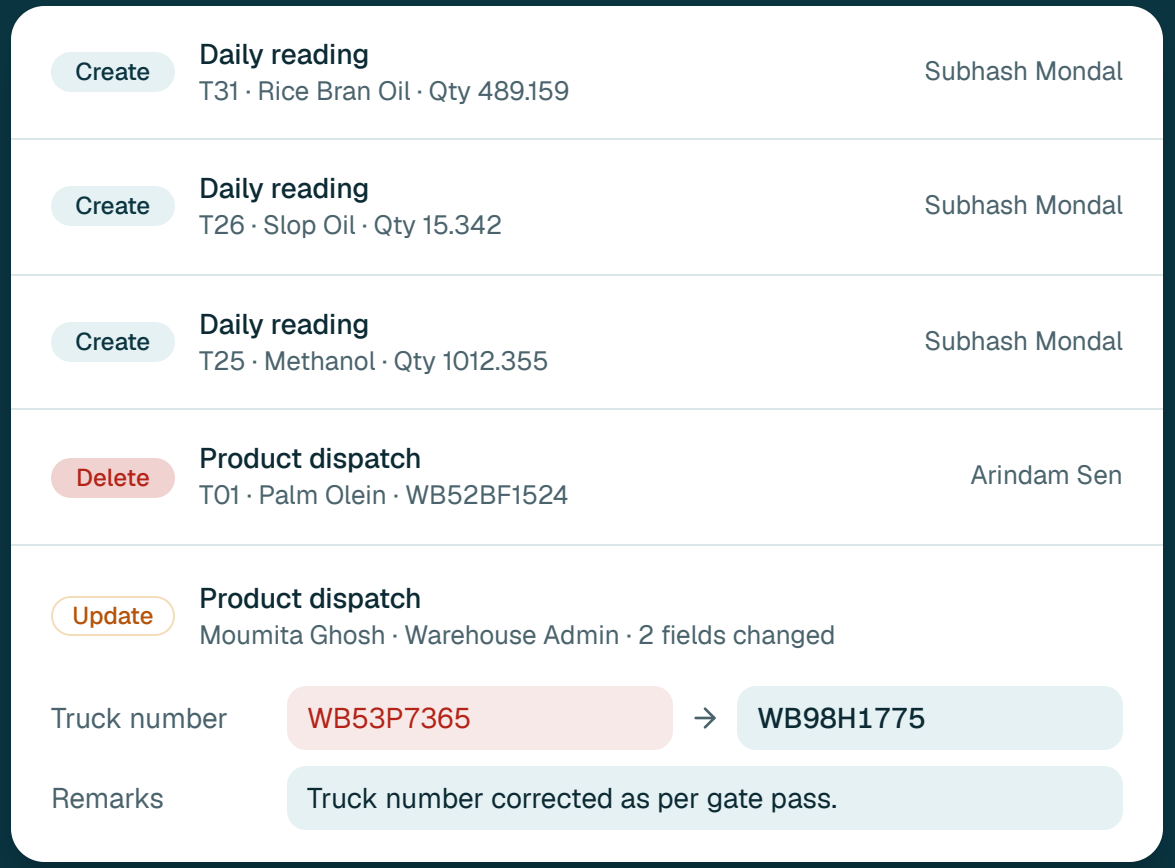
Complete audit visibility, every change, every time

Before TankPulse
When a number changed, nobody could say who changed it, or why.

TankPulse logs every CREATE, UPDATE and DELETE across all key records: who did it, when, and what changed.

Daily Reading · Product Receipt · Product Dispatch · Internal Transfer · Tank · Tank Assignment · Calibration Data · Product · Client · Point of Contact · User · Settings · License

Filter by date range, operation type or record type. Paginated and searchable.



The right access for the right people

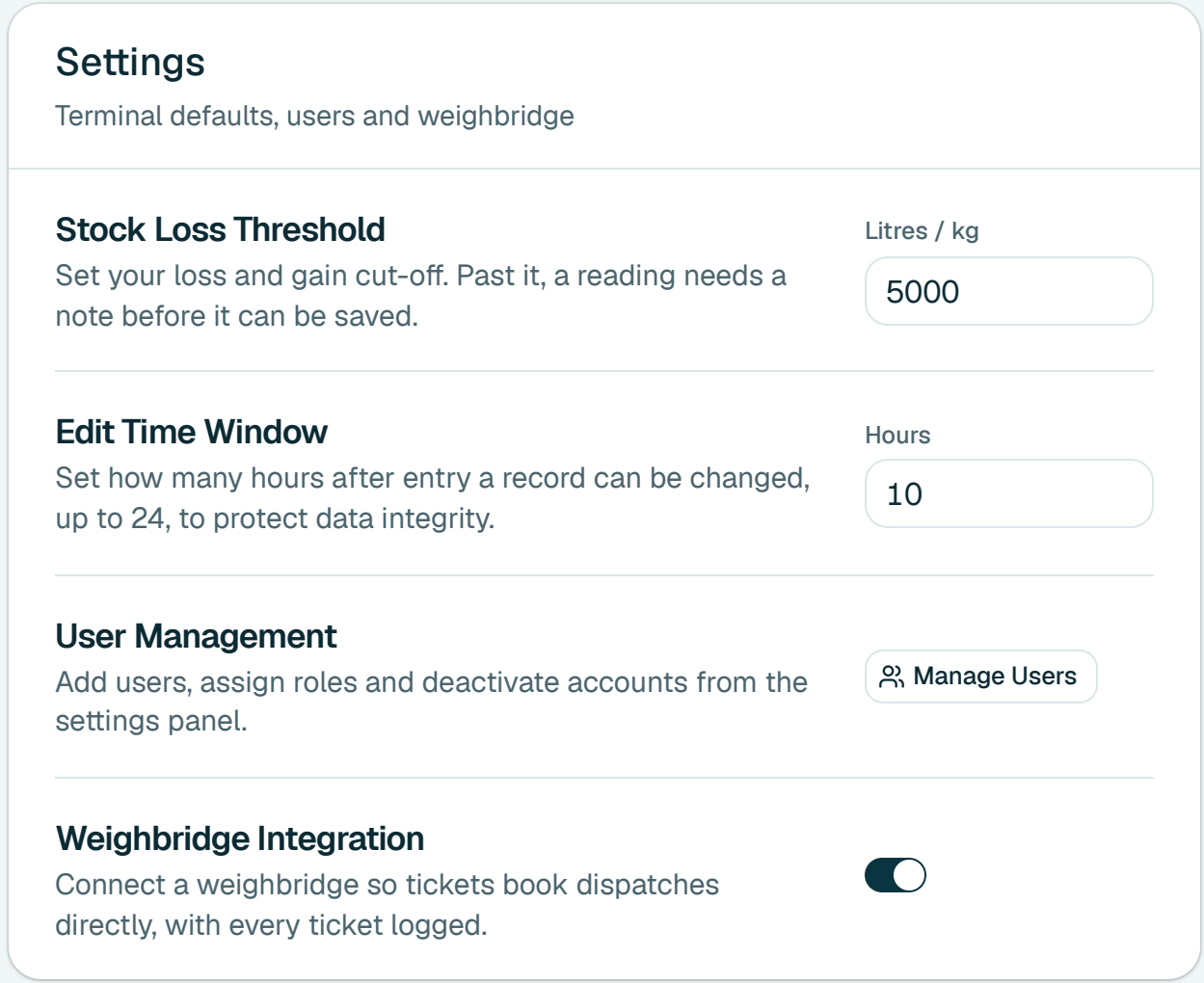
Before TankPulse
Anyone with the spreadsheet could see every client's data and change any figure.

Role	Tank Overview	Recordings	Reports	Audit Trail	Admin Console	Settings
Super Admin Full system access: master data, settings, audit trail and all modules	✓	✓	✓	✓	✓	✓
Warehouse Admin Tank overview, recordings and reports	✓	✓	✓	–	–	–
Warehouse Operator Day-to-day data entry: recordings and tank viewing	✓	✓	–	–	–	–
Client Read-only login for a client's own tanks, recordings and reports	Own	Read-only	Own	–	–	Password

Configurable to your operations

Tune thresholds, edit windows and integrations to match your operational reality.

Before TankPulse
Losses went unexplained, and old entries could be changed long after the event.



Built for enterprise. Designed to scale.

Tech stack

Frontend	Next.js 15 + React 19
Language	TypeScript, end to end
API	Node + Express REST API
Database	PostgreSQL
Interface	Tailwind CSS + accessible UI components
Reports	Formatted Excel export

Security & reliability

- ✓ JWT authentication, bcrypt-hashed passwords
- ✓ Password resets by one-time emailed code
- ✓ Role-based access, enforced on the server
- ✓ Client data separated on the server
- ✓ Audit logging on every data change
- ✓ Deletes and edits limited by role and time

From scattered spreadsheets to a system built for scale

Before TankPulse	With TankPulse
✕ Dip readings kept in Excel	✓ Readings in one system, stock calculated from tank charts
✕ Data scattered across spreadsheets	✓ Stock dashboard: all tanks, one view
✕ No audit visibility	✓ Every change logged: who, when, before and after
✕ Siloed terminal data	✓ Centralized multi-terminal management
✕ Hours of manual report preparation	✓ On-demand stock reports, downloaded as Excel
✕ Losses found late and left unexplained	✓ Loss or gain on every dip, note required past your cut-off

Up and running in under a month, configured exactly for you

Every deployment is customised to your exact workflow, products, tank structure and reporting needs.

1

Discovery Call

Understand your terminal setup, tank count, product types and workflow.

2

Custom Configuration

We configure the system to match your exact operations.

3

Data Onboarding

Import client, product and tank master data, charts and opening balances.

4

Integration

Connect weighbridge software where applicable.

5

Go Live

Full team training and handover, typically within 4 weeks of kickoff.

What you gain on day one

Reports on demand	Stock summaries and client statements, generated when you need them.
Full audit trail	Every reading, receipt, dispatch and transfer logged with user, timestamp and history.
Zero data silos	All tanks, all terminals, all clients, in one dashboard.
Role-based access	Operators, managers, admins and clients each see and do only what they should.
Losses explained	Loss or gain on every dip, and a written note on anything past your cut-off.
Renewals on time	Six email reminders before each licence or client contract expires.

TankPulse

Ready to replace your spreadsheets?

Let's show you TankPulse in action, customised for your operation.

Book a Demo

Setup in under a month.
Fully configured to your workflow.

swarnim@churro.tech

LinkedIn

Screens show demo data.



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