

Dashboard

NOTIFICATIONS

Alerts

Tickets

SMART VALVE SYSTEM

Cylinder Registry

Inventory Manager

Service & Compliance

Fleet Manager

Distributor Control

Device Manager

Device Change History
(DCN)

HORIZON

Exchange Manager

Scope

All Depots



Inventory Manager

Systems

How many cylinders you have, their status, where they are, whether there are enough, and how well they're working

Compliance — how many and in what state
Click any status to break it down by cylinder size

Securing Energy, Unlocking Growth

The system that lets LPG companies plan, manage and control every cylinder with confidence

	FULL	EMPTY	FAULTY	MISSING	DECOMMISSIONED
	1,230,250	779,500	231,500	4,890	111,000
	49.2%	31.2%	9.3% of inventory	unaccounted, lost en route	4.1%
SIZE	FULL	EMPTY	FAULTY	MISSING	DECOMMISSIONED
6 KG	123,750	69,750	13,500	440	6,750
9 KG	598,000	356,500	92,000	2,249	34,500
15 KG	211,500	144,500	45,000	880	22,500
48 KG	297,000	209,250	81,000	1,320	47,250
Total	1,230,250	779,500	231,500	4,890	111,000

Inventory by Status

Inventory by Location

Dashboard

NOTIFICATIONS

Alerts 13

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SMART VALVE SYSTEM

Cylinder Registry

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Device Manager

Device Change Notes
(DCN)

HORIZON

Exchange Manager

Rental Manager

Track & Trace

Compliance

USERS

Search users

Scope

All Depots — National Fleet (2,500,000)

Inventory Manager

How many cylinders you have, their status, where they are, whether there are enough, and how well they're working

All sizes ▾

Composition — how many, and in what state

Click any status to break it down by cylinder size

FULL

1,230,250

49.2% of inventory

EMPTY

779,500

31.2% of inventory

FAULTY

231,500

9.3% of inventory

MISSING

4,890

unaccounted, lost en route

DECOMMISSIONED

111,000

4.4% of inventory

SIZE	FULL	EMPTY	FAULTY	MISSING	DECOMMISSIONED	TOTAL
6 KG	123,750	69,750	13,500	440	6,750	213,750
9 KG	598,000	356,500	92,000	2,249	34,500	1,081,000
19 KG	211,500	144,000	45,000	880	22,500	423,000
48 KG	297,000	209,250	81,000	1,320	47,250	634,500
Total	1,230,250	779,500	231,500	4,890	111,000	2,352,250

Inventory by Status

Physical status including foreign stock held

2,501,648

Inventory by Location

Where our cylinders are right now

2,500,000

Inventory Manager

Illustrative data

1

Every cylinder by state: full, empty, faulty, missing or decommissioned

2

Missing cylinders flagged the moment they go unaccounted for

3

Every size and every state in one table

Your Cylinders Are One of Your Largest Investments and Your Least Visible

Cylinder Condition	Location and Allocation	Daily Production and Reconciliation	Working CTR
Unknown until it reaches the validation plant	Up to 75% unaccounted for after dispatch	The plan and the day never match	Productive asset or sunk cost?
From the day a cylinder leaves the depot, its condition is invisible. Faults are found late, or not at all.	Nobody can say where a cylinder is or which customer holds it. Deposits, rentals and recovery rely on guesswork.	Orders, fills, manifests and returns sit in separate records. Every day closes with manual reconciliation and unexplained gaps.	Pool CTR is known. How much of the pool actually circulates and how much is idle capital, is not.

90%

THE RESULT: around 90% of depot operations are information work and today it is not visible. The records that run the business are the least trusted data in it.

The Smart Valve Secures the Cylinder. Horizon Secures the Operation.

Cylinder Condition

Checked at every fill, not only at validation

Requalification status and service history travel with the cylinder. Invalidated cylinders are refused before they are filled.

Location and Allocation

Every scan updates where it is and who holds it

Dispatch, delivery and returns link each cylinder to a place and a customer account, so deposits and recovery rest on records.

Daily Production and Reconciliation

The plan and the day become one record

Designed to plan against depot throughput, with one manifest binding stock, order, customer and truck.

Working CTR

Productive pool and sunk cost, measured

Per cylinder fill capture shows Pool CTR and Working CTR side by side, so idle capital becomes visible.



THE RESULT: the information layer becomes the operation. Every fill, move and exchange is captured once, verified at the source and trusted by everyone who relies on it.

Scope

All Depots — National Fleet (2,500,000)

Track & Trace

Cylinder movement and location across the fleet · anchored on Hedera

All sizes

Overview

Dispatch

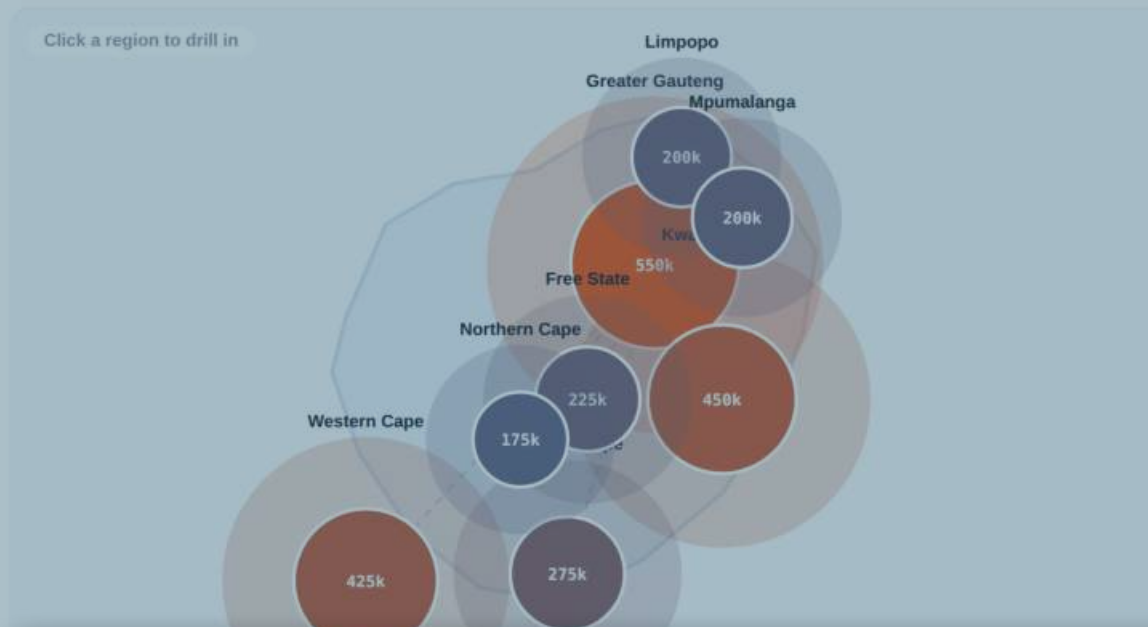
Delivery

Customer Allocation

Intercompany Cylinder Transfer

Fleet Map

Click a region to drill in · node size and shade show cylinders on hand



2

Location Status

Fleet-wide across the distribution chain

2,500,000

Cylinders tracked



Track & Trace

Illustrative data

1

Fleet map of cylinders on hand by region, with drill down to each depot

2

Location status across the chain, from filling plant to consumer

3

Dispatch, delivery, customer allocation and intercompany transfers

In Service

379,250 15.2%

One Platform, From Filling Floor to Boardroom



IGV Horizon is the transformation system for LPG operations: a field app, a web platform and a shared ledger, so every team works from the same verified data.

01 • CONNECT



Mobile App

- Register cylinders, valves and tags
- Scan at dispatch, delivery and return
- Delivery confirmation linked to customer accounts

02 • OPERATE



Web Platform

- Fleet, depot and fill dashboards
- Cylinder registry and service history
- Planning, exchange and rental workspaces in development

03 • PROVE



Shared Ledger

- Built on the Hedera network
- Fill and custody events anchored
- Permissioned partner and regulator access

From Availability to Proof, Every Event on Record

Operate, in practice: Horizon follows the working day of a depot and turns each step into data the whole business can trust.



See which cylinders are on hand, in date and fit to fill, by size and depot. You cannot plan with what you do not have.

Orders are planned against available stock and depot throughput. The manifest binds stock, order, customer and truck.

Smart Valve and RFID tagged cylinders are verified at the Filling Unit. Each fill is written to the cylinder's record.

Dispatch, delivery and returns are scanned in the mobile app. Exchanges with other companies become custody events.

Events are anchored to a permissioned ledger, giving management, partners and regulators one audit trail.

IGV HORIZON: VALUE FOR EVERY TEAM



EXECUTIVE

Know what the pool is really worth

Working CTR shows how much of the fleet is productive and how much is sunk cost, before more capital goes into new cylinders.



OPERATIONS

Run the day on real availability

Designed to plan against the cylinders actually on hand and fit to fill, and to close the day without manual reconciliation.



FINANCE

Numbers that match the record

Stock, deposits and customer allocation traced to individual cylinders, so assets on the balance sheet can be accounted for.



COMPLIANCE AND SAFETY

Evidence, not assertion

Requalification is enforced at every fill, with a ledger-backed audit trail that regulators can inspect as it rolls out.



Built for hybrid fleets: Smart Valve and RFID tagged cylinders run side by side in one operation.

CONTROL THE FLEET

Set the Rules Once, Enforce Them at Every Smart Valve

Head office decides the standard. Horizon applies it to every cylinder, device and distributor and keeps the record.

Fleet Rules

Set service periods, fill limits and recalls.
Cylinders outside the rules lock automatically.

Distributor Control

Suspend or reinstate a distributor's right to fill,
and see the impact before you act.

Change Notes

Changes to certificate data are approved before
they apply, so records stay auditable.

Integrity Drift

Cylinders whose tare drifts from the stamped
weight are held for inspection.

Tickets and Alerts

Recall, faulty, service and missing tickets, each
with a resolution target.

Regulator Pack

Serial lookup and an exportable audit pack,
verified against the ledger.

Fleet Manager

Set service periods, cycle limits and issue recalls · cylinders soft-lock automatically

Service Period

Cycle Limit

Integrity Drift

Recall

Distributor Control

Set service period

From each cylinder's last service date

Applies to

Entire fleet (all sizes)

Service interval (years)

5

312,500 cylinders will soft-lock now — once they pass the interval from their last service.

Apply service period

Fleet Manager: one rule, applied to the whole fleet. Illustrative data.

Features shown in the IGV Horizon platform. Availability varies by module; current status is confirmed with each proposal.

26 674 264 92
6 KG 9 KG 19 KG 48 KG

One Picture of the Fleet, the Gas and the Customer

The Cylinder Loop

Find the days you are losing

Days spent at filling, shipping, return and service, plus cycle time and net flow, showing exactly where turns are lost.

Fleet Risk and Renewal

Replace on evidence, not age

The whole fleet banded from critical to sound, with end of life, replacement planning and defect analytics.

Customer Intelligence

Spot churn before it happens

Customers segmented by recency, frequency and value, with refill cadence, value by region and a lapsing watchlist.

Availability and Transfers

Move stock before you buy more

Reserved versus available stock by depot and which depots have surplus to transfer when another runs short.

Gas Accountability

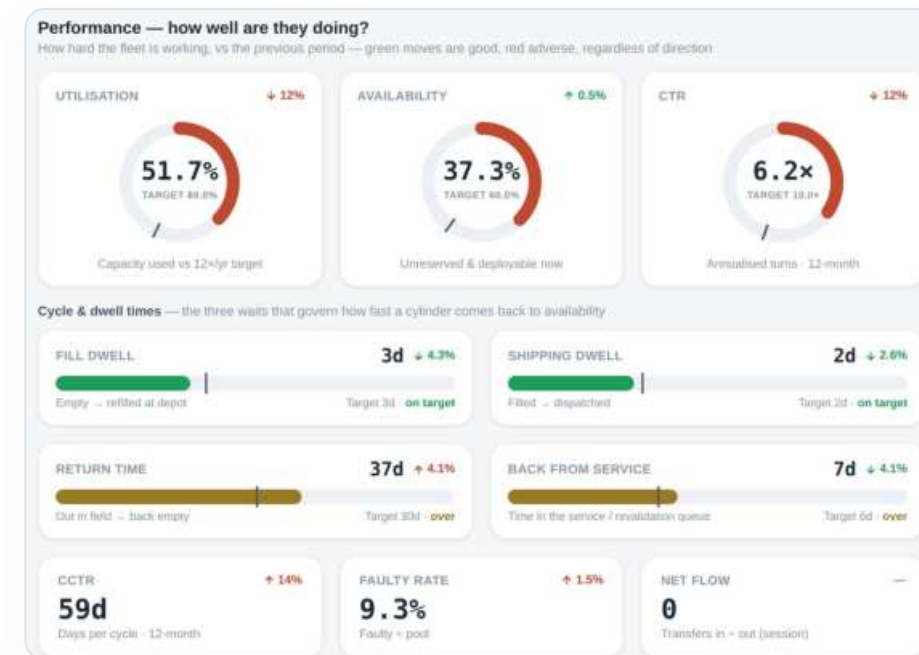
Every kilogram accounted for

LPG filled and residual gas returned, recorded per fill with weights, so every kilogram is accounted for.

Exchange and Rental

Turn idle cylinders into revenue

Custody balances with other companies by size and rentals that earn a fee per fill and lock automatically at expiry.



Inventory Manager: utilisation, availability and every wait in the cylinder loop. Illustrative data.



The result: every decision, from the depot floor to the next cylinder purchase, rests on the same verified data.

Horizon Connects the Hardware to the Whole Business

Each module builds on the one before it: secure the cylinder, run the operation on verified data, then learn from that data.

01

LIVE

Smart Valve System

Tamper proof hardware, access control and fill enforcement. The foundation of the solution.

02

THIS BROCHURE

IGV Horizon

The transformation system for LPG operations: connect, operate, prove.

03

COMING SOON

Elysian AI

Predictive demand, theft pattern detection and fleet optimisation, built on Horizon data.

Ready to see what your fleet is really doing?

Start by Knowing What You Have

90%+

UTILISATION MEASURED

on Smart Valve cylinders registered to the system, in a live pilot with a major South African LPG marketer.

RECOMMENDED FIRST STEP

Pilot at One Depot



Scan to scope my pilot

Measure your own utilisation. We fit and register a defined cylinder group at one depot and our team works alongside yours until you have the numbers.



See Horizon live

A 30 minute walkthrough of the platform



Talk to our team

Integration, hybrid fleets or pricing questions

Exchange Manager

Inter-company cylinder exchange · custody recorded on the shared ledger

3

+ Create Exchange Note

FOREIGN CYLINDERS HELD

1,648

other companies' stock at our depots

Partner A

Partner B

Partner C

Partner D

Partner E

Outgoing (5)

Incoming (5)

Search outgoing notes by ID, company, location, status or date

EXCHANGE NOTE ID	TO COMPANY	CYLINDERS	DATE	LOCATION	STATUS	
EXN204-05-71	Partner A	100	2026-06-02	Gauteng	Confirmed	Open
EXN207-09-44	Partner B	72	2026-06-11	Gauteng	Dispatched	Open
EXN209-12-08	Partner C	28	2026-06-15	Gauteng	Created	Open
EXN211-03-55	Partner D	178	2026-05-20	Gauteng	Finalised	Open
EXN213-08-26	Partner C	40	2026-06-13	Gauteng	Amended	Open

Exchange Manager

Illustrative data

1

Other companies' cylinders held at your depots, by partner

2

Every exchange note tracked from created to finalised

3

Raise an exchange note in one step, recorded on the shared ledger



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