

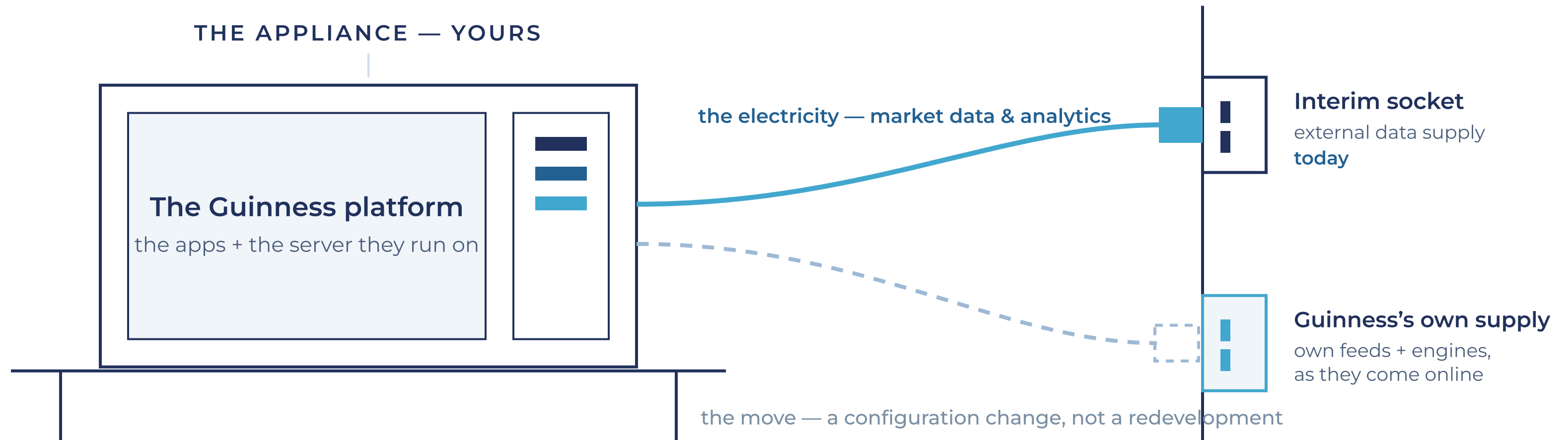
The Guinness Platform — How It Works

Prepared for Tom & Will · Guinness · v0.1

01 You own a complete, self-contained platform. The apps and the server they run on — yours, on infrastructure you control.	02 Its data supply is a plug, not a hard wire. Where the power comes from is a configuration choice that sits with Guinness.	03 Independence has already begun. Two in-house data circuits are live today — one on a feed Guinness funds directly.
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A microwave on your own counter

The microwave doesn't care where the electricity comes from.



The day your own supply is connected: unplug from the shared socket, plug into yours — **and nothing about the microwave changes.**

The three layers of the platform

Gitea

the code vault

Every app's source code, with full history — **the blueprints, kept on-site**. The platform can be rebuilt, audited, or handed to a new developer at any time.

Coolify

the control panel

Manages every app — deploy, restart, logs, certificates. **The dashboard and breaker-box** for the whole estate.

Hetzner

the server

A dedicated machine in a data centre — **the counter the microwave sits on**. A standard, portable Linux server with nothing locked to any vendor.

✓ All open-source

no proprietary platform you're locked into

✓ All portable

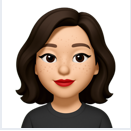
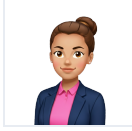
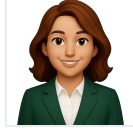
moving provider is a standard migration, not a rebuild

✓ All yours

you own and control all three layers

You already rent a server today. This is the same kind of rented machine Guinness already operates — your name on the bill, your machine, for as long as you pay for it.

The applications, at a glance

Orion — the shell guinnessgi.x-trillion.com one login · one sidebar · every app in one place		
 Brian The built-in help agent — answers from each app's live manifest, never out of date	 Athena The portfolio cockpit — NAV, yield, duration, allocation, P&L, compliance	 Lexa Sovereign & quasi-sovereign credit reports and analysis
 Iris Interactive guide to the platform — onboarding and walkthroughs	 Jess Narrated video briefings — analysis as short, voiced summaries	 Jules Deck auditor — checks presentations against the Guinness house style
 Maya The execution bridge — carries orders out and brings fills back	 Iona Voice briefings — spoken portfolio and market commentary	 Georgia A sovereign ESG scorer

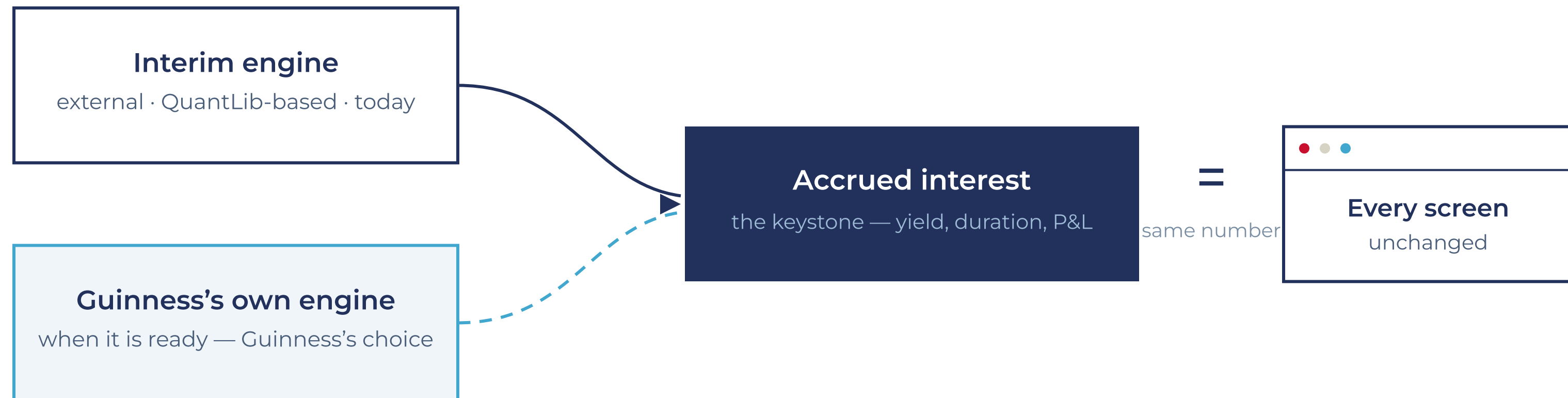
Three inputs — external today, by design

Bond analytics yields · durations · spreads · accrued	WHY EXTERNAL TODAY Everything rests on accrued interest — it must come from a proper, industry-standard bond-maths engine (QuantLib). Maia does not yet compute accrued.	THE ROUTE IN-HOUSE Maia, once it produces QuantLib-grade accrued — or a licensed bond-analytics feed. Either way, the numbers on screen never change.
Credit ratings via Lexa	WHY EXTERNAL TODAY A direct Moody's / S&P data licence is not yet in place.	THE ROUTE IN-HOUSE Guinness contracts the ratings feed directly, or an alternative source is connected.
Pricing the current RVM build	WHY EXTERNAL TODAY A full Bloomberg data licence is, at current scale, prohibitively expensive.	THE ROUTE IN-HOUSE A Guinness-licensed or alternative price feed is connected.
Why the path runs through Guinness: corporate market-data licences must be contracted by the institution that uses them — so full data independence runs through Guinness's own provider relationships.		

Accrued interest — same number, whoever computes it

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Deterministic maths: one correct answer. Swapping engines changes *whose* engine runs — never the numbers on screen.



`guinness_mcp` doesn't re-calculate — it **re-sources**. Same answer, Guinness's own source, zero disruption.

Two circuits already live

Independence has stopped being a diagram. The choice has been exercised twice.

LIVE TODAY

✓ Sovereign fundamentals

licence-free public data — no external analytics in the path

✓ Macro time series

Haver Analytics, on Guinness's own subscription — funded directly

WHEN GUINNESS CHOOSES

Bond analytics

in-house engine (Maia, once accrued is right) — or a licensed feed

Credit ratings

a direct ratings licence

Pricing

a licensed or alternative price feed

guinness_mcp

the end state — full self-supply,
every circuit on Guinness's terms

Every row moves from external to in-house
without touching the apps — independence is
always **available**, never **forced**.

WHO	WHERE	WHAT
Everyone all users	<code>guinnessgi.x-trillion.com</code>	The apps — the front door. One sign-in by email one-time-code; all most users ever need.
Ops Tom & Will	<code>coolify.guinnessgi.x-trillion.com</code>	The control panel. Every app’s status and logs; redeploy, restart, configure.
Developers Will	<code>gitea.guinnessgi.x-trillion.com</code>	The code vault. Source and history; you decide when new versions go live.
Behind the apps no login needed	<code>guinness-mcp.guinnessgi.x-trillion.com</code> LIVE	The in-house data engine. Serves Guinness’s own data first; routes the rest, transparently.

To complete: personal Coolify and Gitea accounts for Tom & Will follow once work email addresses are confirmed — each with a forced password change on first sign-in.