
BOUNDLESS · TRADE SIM

Win the tender. Push the work to your SIM.

A SIM-card-first job network for UK trades and contractors.
Tenders paid up front. Trades paid on signed completion.
ENIGMA-signed dispatch. DRR-resilient. Mesh-native.

WHAT IT IS

Boundless Trade SIM

A multi-network UK SIM, an ENIGMA-signed job dispatch fabric, and a tender-acquisition layer wrapped into one product for construction trades and main contractors. Crews carry one SIM. We win UK Contracts Finder^[3] and Find a Tender^[4] notices, then push matched work to A–D rated trades over the SIM in seconds.

WHO IT'S FOR

Three audiences. One network.

Solo trades & small crews	Stop chasing leads. Stop overpaying for mobile. £50/mo Trade SIM, jobs ping when you're a match.
Main contractors	MDM-managed Trade SIMs across your sub-contractor base. Sealed proof-of-work, single fleet view.
Tender writers	Win it; we dispatch it. 15% revenue share on every notice that gets pushed to a Trade SIM crew.

HOW IT WORKS

From tender to paid in four steps.

01	Win the tender	Bid partners win UK Contracts Finder & Find a Tender notices. Buyer pays up front.
02	Match by trade + postcode	ENIGMA-signed dispatch payload geofences the right A–D rated trades.
03	Push to the SIM	30-second accept window per trade; fall-through to next-best on decline.
04	Proof + paid	Photo upload sealed into the audit chain. Same-day payout for tier A & B.

TARIFF & A-D TIERS

£50/mo. One SIM. Four networks.

Replaces typical site-staff mobile bills of £200–£300/mo^[2]. DDDR auto-switch across the four UK MNOs keeps crews online inside basements, steel-frame builds, and during outages.

Tier	Name	Profile	Rate band	Payout
A	Master	Elite vetted trades, long completion history.	£320–£480/day	Same-day on signed proof
B	Trusted	Proven trades with consistent on-time delivery.	£260–£380/day	Same-day on signed proof
C	Verified	ID-verified trades building a track record.	£200–£300/day	48h on signed proof
D	Starter	New trades. Build to C with 5 jobs.	£140–£220/day	Weekly on signed proof

DDRR + ENIGMA VALUE

Every pain point, mapped to a capability and a verifiable source.

Each row is sourced. External sources are UK regulator/government publications. Internal sources are file paths in the Boundless repo. Numbered references resolve in the appendix.

Pain point	Capability	How it solves it	Refs
Lost signal on big sites, basements, steel-frame builds.	DDRR auto-switch (4 UK carriers).	Detect weak RSRP → defer non-critical → refresh to strongest carrier → reconnect with forward secrecy.	[1][9][12]
Job dispatch must reach the right trade in the right postcode in seconds.	ENIGMA-signed dispatch over multi-network SIM.	Sealed payload, geofenced match, 30s accept window, fall-through to next-best. Cannot be spoofed.	[6][13]
Proof-of-work disputes — did the plasterer actually finish?	ENIGMA Audit pillar with hash-chained evidence.	Each photo upload sealed into the audit log with row_hash / prev_hash. Tamper-evident in court.	[11][13]
Cash-flow gap between tender award and trade payment.	Tender paid up-front; trade paid on signed completion.	Payout state machine fires only on a sealed completion event. No 60-day waits.	[5][8]
Mobile bills £200–£300/mo per site worker.	Multi-network Trade SIM at £50/mo.	One SIM, four UK networks, DDDR picks the best. Sub-£50 vs typical site-staff bills.	[2]
Storms, incidents, carrier outages take crews offline.	ENIGMA mesh — every Trade SIM is a node.	Off-grid routing across LoRa / BLE / TCP. Crews stay reachable when carrier drops.	[7][10]
MOD / sensitive sites need no-address comms.	ENIGMA Identity + Encryption.	No persistent address, ephemeral keys, bearer-agnostic.	[13]

Pain point	Capability	How it solves it	Refs
Sub-contractor onboarding, MDM, lost devices.	Boundless MDM + DDDR managed config.	Wipe, lock, rotate, push managed config from contractor dashboard. Android today, iOS via ABM.	[9][12]
Tender discovery latency — first-mover wins.	Live Contracts Finder + Find a Tender feed.	Server-fn polls gov portals; trades get a ping the moment a relevant notice goes live.	[3][4]

CASH-FLOW MODEL

Tender pays up front. Trade paid on completion.

Stage	Cash event	Trigger
Notice won	Buyer deposits award value into Boundless escrow.	Award letter + signed contract.
Job dispatched	No movement.	Trade accepts ENIGMA-signed ping.
Job completed	Trade payout fires (same-day for A/B).	Photo proof sealed into audit chain.
Reconciliation	Platform fee + tender-writer rev share settled.	Weekly batch.

AI JOB SNAPSHOT

Every dispatched tender carries a full decision pack.

Receivers don't just get a title and a value — every ENIGMA-signed dispatch payload contains an AI-scoped Job Snapshot: scope of works, materials estimate at indicative UK trade-supply pricing, the workforce required (roles, certifications, day-rate and shift count), the fastest realistic timeframe with parallel crews, and an estimated profit margin. Crews accept or decline inside 30 seconds with full visibility.

Field	Example: Hull council housing refurb (£3.0m)
Scope	Strip & refurb 84 flats; full re-plaster; 18th ed. rewire; plumbing renewal; two-coat decorative finish.
Workforce	6x plasterer · 4x electrician (NICEIC) · 3x plumber (Gas Safe) · 5x painter · 1x supervisor (SMSTS) · 4x labourer.
Materials est.	£118,846 across 8 line-items (plaster, plasterboard, T&E;, RCBO units, copper pipe, sanitaryware, emulsion, sundries).
Labour est.	~£280k across 23 crew over 7 working weeks with 2 parallel crews.
Fastest	7 working weeks (35 working days) — 2 crews running in parallel.
Profit est.	~£612k (≈20.4% margin) after 12% overheads.
Compliance	CDM 2015 · Part P · Gas Safe · asbestos R&D; survey before strip.
Confidence	High — assumes parallel crews, buyer-managed tenant decant, indicative SPONS-style rates.

Pricing benchmarks are indicative UK trade-supply rates (SPONS-style). Snapshot is generated by Lovable AI via the Vercel AI SDK structured-output API and cached against the tender record so every recipient sees the same numbers.

FOR BIG CONTRACTORS

Run your sub-contractor fleet on one mesh.

Issue Boundless Trade SIMs to every sub-contractor crew. MDM-managed from the contractor dashboard. ENIGMA-sealed photo proof. DDRR keeps crews online when the carrier drops. Mesh resilience via ENIGMA nodes on every SIM^{[7][10]}.

TENDER-WRITER PARTNERSHIP

Win it. We dispatch it.

15% revenue share on every notice you win and we dispatch through the Trade SIM network. Typical 24-hour turnaround from notice to first dispatched ping. UK-wide coverage across all four MNOs.

SOURCES & REFERENCES

Everything cited above.

External sources resolve to UK gov / Ofcom / public technical manuals. Internal sources are file paths in the Boundless repo.

#	Source	Publisher	Location
[1]	Connected Nations 2024 — UK fixed and mobile coverage	Ofcom	ofcom.org.uk · /siteassets/.../connected-nations-2024
[2]	Pricing trends for communications services 2024	Ofcom	ofcom.org.uk/phones-and-broadband/saving-money/pricing-trends...
[3]	Contracts Finder — UK public sector contracts £12k+	UK Government	gov.uk/contracts-finder
[4]	Find a Tender — UK above-threshold notices	UK Government	find-tender.service.gov.uk
[5]	Procurement Act 2023 — Statutory Guidance	Cabinet Office	gov.uk/government/publications/transfoming-public-procurement
[6]	General Conditions of Entitlement (GC9 — switching)	Ofcom	ofcom.org.uk/siteassets/.../general-conditions-of-entitlement.pdf
[7]	ENIGMA mesh fabric — Boundless technical overview	Boundless internal	public/downloads/Boundless_ENIGMA_Integration_Report_v3.pdf
[8]	Construction industry payment & cash-flow review	BEIS / DBT	gov.uk/government/publications/payment-practices-construction
[9]	DDRR Tier definitions & managed-config (internal)	Boundless	mobile/docs/DDRR_TIERS.md
[10]	ENIGMA mesh — server-side telemetry contract (internal)	Boundless	src/server/enigma-mesh.functions.ts
[11]	DDRR test harness — sealed audit chain (internal)	Boundless	src/server/ddrr-test.functions.ts
[12]	Android DDRR managed-config XML (internal)	Boundless	mobile/native/android/ddrr_managed_config.xml
[13]	ENIGMA Integration Report v3 (internal)	Boundless	public/downloads/Boundless_ENIGMA_Integration_Report_v3.pdf

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