



MEASURED · not asserted

THE LAB · A RESEARCH LANE

NovaTerra: two AI beings that are cryptographically yours

A world you own — a Friend and a digital Twin, on your own chain and mesh. Roughly 75% wired from donor bodies: 61 pages, 24 services, a DID-signed devnet, and a real signed-pack mechanism. The honest edge, marked as vision: the local-mind membrane is not yet closed — today it still routes to the cloud.

A measured research lane

 Vision — designed, honest

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01 The claim, in brief

02 What is actually wired

03 The honest edge: the membrane is open

04 How it is meant to work

05 Why it ladders back

06 Sources, glossary & the honesty ledger

Every claim carries its tier · nothing faked

PREPARED

2 July 2026

VERIFIED BY

Jon Ross — Founder, Vocabotics —
15 years building safety-critical
systems

HOW TO READ IT

Drafted with AI, verified by a
named human. Sources at the back.

01 The claim, in brief

A world you own — a Friend and a digital Twin, on your own chain and mesh.

The costly signal

The measured result

Every number carries its own honesty tier — the tiering is the credibility.

61 / 24

pages / services wired

 RESEARCH

34+

DID-signed devnet blocks

 RESEARCH

7 / 6

packs built / routed, SHA-256 verified

 RESEARCH

local mind

membrane — not yet closed

 VISION

This is the north star, and we tier it honestly as **vision** — because the one thing that would make it real is the one thing not yet finished. NovaTerra is a world you own: a **Friend** (an assistant that is private to you) and a **Twin** (a digital second self), living on your own chain and mesh rather than on a company's servers. The architecture is real and substantially built. The membrane that would make the promise true is not closed. We show both.

02 What is actually wired

 RESEARCH — MEASURED, PARTIAL

NovaTerra is roughly **75% wired** from donor bodies — the useful survivors of a deliberate cull — not a live product, but not a mockup either: 

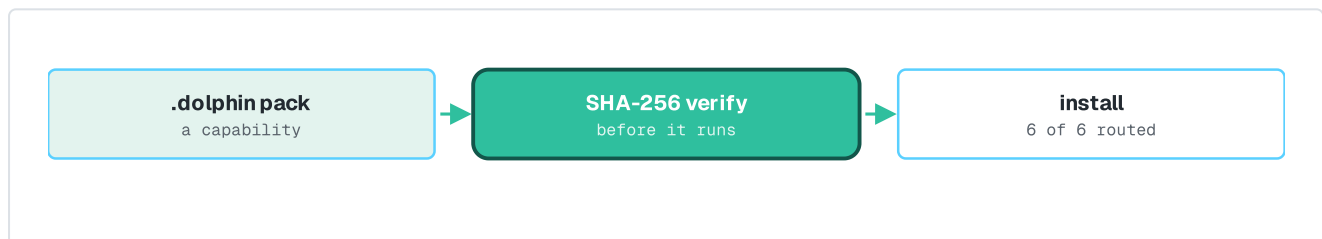
61 pages, 24 services, 166 blueprints, 486 components. The surface and the service layer largely exist.

NovaChain devnet, DID-signed, **34+ blocks**. Identity is cryptographic — a decentralized identifier you hold, not an account we hold.

The **.dolphin pack mechanism is real**: 7 packs built, 6 of 6 routed, with **SHA-256 verify → install**.  Signed capability packs that verify before they run is the part that already works.

61 pages	24 services	166 blueprints
486 components	34+ DID-signed blocks	7 / 6 packs built / routed

~75% wired from donor bodies — not a live product, but not a mockup either. The surface and the service layer largely exist; identity is cryptographic.



The part that already works: signed capability packs verify before they run — SHA-256 verify, then install. Extending your world does not mean trusting a store.

03 The honest edge: the membrane is open



VISION — DESIGNED, HONEST

Here is the line we refuse to blur:

The local-mind membrane is not yet closed.

Today, NovaTerra still routes to the cloud. The "owned, private, can't-bluff Friend" is a **promise** until the local mind lands and the membrane closes. Until then this lane is tiered  vision — designed and largely wired, but not the thing on the label. We would rather under-claim a north star than over-claim a shipped product.

The calculated mind and the wave-ternary body are what will eventually run *inside* that membrane — a Friend that reasons or refuses, on your own hardware, under your own key. The pieces exist on their own

pages, tiered on their own merits. NovaTerra is where they are meant to come together, and that convergence is the open work.

Wired today

- NovaChain devnet, DID-signed (34+ blocks)
- Signed .dolphin packs verify → install
- 61 pages, 24 services standing

VS

The open membrane (🚀 vision)

- The local mind is not closed
- Today it routes to the cloud
- “Owned, private Friend” is a promise until it lands

The line we refuse to blur: substantially wired, but the local mind is not yet closed — today it still routes to the cloud. We tier it 🚀 vision until the membrane closes.

04 How it is meant to work

Your identity is a DID you control. Your data and your models live on a mesh you participate in, not a datacentre you rent from. Capabilities arrive as signed packs that are verified before they install — so extending your world does not mean trusting a store. The Friend and the Twin are two faces of the same owned intelligence: one that helps you, one that represents you.

Friend & Twin

two faces of owned intelligence

Signed .dolphin packs

verify → install

NovaChain — DID identity

you hold the key

A mesh you participate in

not a datacentre you rent

A world you own: a Friend and a Twin on your own chain and mesh — your identity a DID you hold, not an account we hold.

05 Why it ladders back

Intelligence you *own* — not rent — is dignity, not dependence. That is the whole reason to close the membrane, and the reason we will not pretend it is closed before it is.

What is still open — kept visible

The honest edges of this lane, shown next to the wins. None of these is a footnote; each is a claim we have not yet earned — and marking it is what earns the right to be believed on the rest.

- ☐ The local-mind membrane is NOT closed: today NovaTerra routes to the cloud.
- ☐ 'Owned, private, can't-bluff Friend' is a promise until the local mind lands — we tier it as vision, not shipped.
- ☐ It is ~75% wired from donor bodies, not a live product.

06 Sources, glossary & the ledger

Where every claim comes from — and what the plain words mean.

Sources

- 01 **Vocabotics Dashboard — Organ 4 (NovaTerra / The World), measured 2026-07-02** — Vocabotics internal record (as of July 2026)
- 02 **Decentralized Identifiers (DIDs) v1.0** — W3C (as of July 2026)
<https://www.w3.org/TR/did-core/>

THE HONESTY LEDGER

- Shipped — measured, gate-clean.
- 🔬 Research — measured, partial; the gap is shown.
- 🔭 Vision — designed, honest; not yet built.

The bigger claim goes up a tier, never down. We show the eval beside the demo — the tiering is the credibility.

See the safety discipline underneath it

A world you own has to be a world that can't quietly break. Read how a memory leak becomes a compile error.

[/research/certifiable-by-construction](#)



Nothing faked.

Measured, not asserted. Every claim carries its own honesty tier and the open edges are shown next to the wins — the tiering is the credibility.

