

The safe substrate for the next era of computing.

One safe language. One image. Embedded rigor, verified security, and a real desktop — at once.

THE PROBLEM

Every system runs on software that trusts by default. Almost every breach, recall, and 3 a.m. page traces back to one thing: software holding authority it never should have had. The industry watches for the misuse — a permanent, costly treadmill on a fifty-year-old foundation.

THE BET

It's a foundation problem, not a patch problem — so we built a new foundation.

Sigil — a language where a program can touch only what you hand it, and safety is proven before the code runs.

sigilOS — a complete OS written entirely in it, zero C, firmware to desktop. One image scales from a Pi to a workstation.

IN PLAIN TERMS

Today's computer hands every worker a master key, then watches them. sigilOS hands each worker a key to exactly one room — and the locks are the walls themselves. Nothing to catch, because there's nothing to abuse.

WHY NOW

Regulation. memory-safe languages moving from “prefer” to “require.”

Supply chain. reproducible, verifiable trust bases now procurement-grade.

The AI boom. machine-written code needs a substrate that proves intent.

The edge. one safe base, sensor to server.

WHY IT'S DIFFERENT — THE MOAT

Explicit authority. capability-secure by construction; no ambient authority, enforced by the hardware.

Memory-safe. one safe language, zero C — memory-corruption defects absent by design.

Proven, then erased. contracts proven at build, stripped from the binary — no runtime tax.

Verifiable trust base. self-hosting, byte-reproducible compiler. Verify the artifact, don't trust the source.

No incumbent offers all four together — reproducing the combination is a re-foundation, not a sprint.

PROOF — IT'S REAL

PROVEN A capability-secure OS in one memory-safe language boots on real x86-64 metal.

PROVEN The compiler self-hosts and is byte-reproducible.

SHIPPING A first native product (Forge) is downloadable today — Mac, Linux, Windows.

HONEST Pre-1.0, uncertified, built in the open. No vanity metrics.

WHERE WE FIT (ONLY WHERE WE FIT)

Safety-critical · defense & sovereign · embedded/edge · gaming (shipping beachhead) · the Sigil dev platform.

THE ASK

Back us, and we become the substrate the next era of computing runs on.

From a doorbell to a desktop to medical equipment — one safe foundation underneath all of it.