

Pyxproof

Independent proof for the factories that make intelligence.

I Who are your tenants?

II What are they running?

III Can you prove it?

The mint does not certify itself.

THE OLD ANSWER

For more than seven hundred years, coins struck by the Royal Mint have been set aside in a locked box called the pyx.

Once a year the box is opened before an independent jury. The coins are weighed and assayed against a standard the mint does not control. The ceremony is the Trial of the Pyx, and it is still held in London.

The principle is simple. Whoever makes the money is never the one who says it is good.

THE NEW MINT

The data centres that run artificial intelligence are now called token factories. They turn power and silicon into tokens, and tokens are sold by the million like a metered utility.

The silicon inside them is controlled. Its makers, their governments and the banks that finance it all need to know where it sits and who it serves.

Today the factory answers those questions about itself. Nobody else holds the box.

THREE QUESTIONS EVERY OPERATOR IS NOW ASKED

Who are your tenants?

Named, verified owners. Screened against the lists that decide who may be served.

What are they running?

Which models, from which countries, within which limits.

Can you prove it?

A record the operator cannot quietly rewrite.

Pyx Trust is the standard. Pyxproof is the box and the record. The jury is anyone who checks the proof.

1710

The year the jury failed Isaac Newton.

Newton was Master of the Mint, and proud of the exactness of his coin. At the Trial of the Pyx that year, the jury found his gold below standard.

He did not dispute the test. He audited the standard. The gold plate the jury had measured against, made in 1707, turned out to be finer than the law required.

His coins were right. The benchmark was wrong. The earlier plate was brought back into use.

The lesson is three centuries old and still new: a proof is only as good as the standard behind it, and a standard nobody may question is not a standard.

WHAT PYX TRUST TAKES FROM IT

The rules are published.

An operator can read every rule it will be judged by, before it is judged.

Every refusal names its rule.

No verdict without the reason, written into the record.

Any verdict can be challenged.

The challenge goes on the record. If the standard is wrong, we want to be the first to hear it.

Five instruments. One standard.

Pyx Trust is the standard: Zero Trust, made independent of the operator. Pyxproof is the engine that enforces it. It installs beside the platform a factory already runs. It does not serve models or bill for tokens.

I Passport Identity

Every tenant is identified and screened against denied-party lists before any capacity is released. Every user and AI agent holds its own short-lived credential.

FIRST PROTOTYPE

II Gate Policy

Rules applied to every request: which models, which class of data, which region, which budget. A request that breaks a rule is refused, with the reason.

FIRST PROTOTYPE

III Ledger Record

A tamper-evident account of every decision. Alter one entry and the record shows it. Issued each period as a countersigned proof that anyone can verify offline.

FIRST PROTOTYPE

IV Cell Isolation

AI agents run their tools inside sealed compartments, so one tenant can never reach another.

IN DESIGN

V Treaty Borders

Rules for tenants and agents that work across factories and across countries, including where data may rest.

IN DESIGN

STATED PLAINLY

Three instruments run as prototypes on fictional data, covering 17 of the 25 controls in Pyx Trust 0.1. Two are designed and not yet built. This page will change only when the software does.

From application to proof.

STEP 1

Install

The operator places Pyxproof beside its existing platform. Nothing is replaced.

STEP 2

Admit

A tenant applies. Passport verifies and screens them. No pass, no capacity.

STEP 3

Check

Every request passes through Gate. Allowed work proceeds. The rest is refused and logged.

STEP 4

Prove

Ledger seals the period and a witness countersigns. The proof is one file that anyone can check.

The proof

ILLUSTRATION

Factory	Example Site A
Period	One calendar month
Tenants admitted	All screened
Applicants refused	Listed, with reasons
Signed by	Engine and witness
Requests refused	Listed, with rules
Checked by	**Anyone, offline**

A sketch of the report layout. No real operator or figures are shown.

WHO THE REPORT IS FOR

The chip supplier, who must know its hardware serves who was declared.

The bank and the insurer, who finance the building and price its risk.

The regulator, in the country where the factory stands and the country the silicon came from.

The enterprise buyer, who will not place sensitive work on capacity it cannot vouch for.

> *One rule we do not bend: Pyxproof screens its own customers. An operator that cannot pass Passport is not served.*

Every layer signs. Pyxproof countersigns.

A token factory is a stack of separate businesses. Each one is already being asked a question it cannot answer alone. Pyxproof is designed to be the cheapest honest answer for all of them.

Pyxproof	IS ASKED Is the whole stack what it claims to be?	RECEIVES The verdict of every layer below, in one signed record.
Platform	IS ASKED May this tenant be onboarded?	RECEIVES A pass or a refusal at sign-up, with the reason.
Silicon	IS ASKED Are the chips where they were shipped, serving who was declared?	RECEIVES An inventory and tenant report it did not have to compile.
Power and site	IS ASKED Who operates this building, and for whom?	RECEIVES An attestation of the facility and its ownership.

THE STANDARD IS FREE

Pyx Trust is open to read and its verifier is open to run. Nobody pays to check a proof.

THE ENGINE IS THE PRODUCT

Pyxproof is licensed per factory, sized by the capacity under proof.

OR RUN FOR YOU

A managed screening and proof desk for operators with no compliance staff.

Layer names describe roles in the industry. No partnership with any company is claimed or implied.

Built by operators, not by observers.

Pyxproof was founded by **David Pierce** and **Paul Taylor**.

We came to this problem from the operating side: running supervised AI work where every action has to be allowed, recorded and explained afterwards. Pyxproof applies that discipline to the factory itself.

HOW IT IS HELD

Sole licensee	PTNA Acquisition Corp. (Delaware)
Code custody and security	TICO AI LLC, Boca Raton, FL
Intellectual property	ARPRT LLC

WHERE WE ARE TODAY

Stage	**Working prototype**
Running today	Passport, Gate, Ledger
Designed, not built	Cell, Treaty
Customers	None claimed
Revenue	None claimed

HOW WE WORK

We screen our own customers.

The product would be worthless if we did not use it on ourselves first.

We say what is built.

Every claim in this document is one we can show you working, or it is marked as design.

The record is not ours to edit.

Nor the operator's. That is the point of it.

Ask to see the box opened.

The demonstration is live. Run it, then check the proof yourself.

pyxproof.com
pyxtrust.com