TECHNICAL DUE DILIGENCE

We Tell Investors What the Technology Is Actually Worth.

And what it will cost to keep it working. We assess software, hardware, and intellectual property in a single engagement, then price every finding so it goes straight into your model. **Not a code review. A valuation instrument.**

4
domains, one report

12–100+
findings per platform

Days
not months to deliver

US
domiciled counterparty

> A working demo shows the product runs today. It says nothing about the next order of magnitude, the next round, or the day the one engineer who understands it leaves. We answer the question the demo cannot.

THE PART YOU CANNOT SEE

A Working Demo Is Not Evidence of Value

A demo shows the product runs today. It does not show whether the system holds at ten times the load, whether the patents cover anything a competitor wants, or whether the hardware survives a production yield target. Those three questions decide what the company is worth.

WHAT YOU PRICE

90%

The visible product. You can see it, so you price it.

WHAT YOU INHERIT

10%

The part you cannot see. You buy it anyway, sight unseen.

THE THREE COSTS NOBODY PUTS IN THE MODEL

01

Rework cost

The engineering spend needed after close to make the system hold at the next scale.

02

IP shortfall

Patents that are narrow, unenforceable, or owned by someone other than the company.

03

Manufacturing cost

A hardware design that works on a bench and fails a production yield target.

FOUR DOMAINS · ONE REPORT · ONE VALUATION IMPACT

A Company Is Worth More Than Its Source Code

Most diligence firms read source code and stop. A technology company can fail in three other places. We assess all four, priced together.

01

Software & architecture

We check whether the design in the deck matches the code that ships. We test access control across roles and tenants. We measure whether the tests check anything.

02

Hardware & embedded

We review schematics, PCB layout, thermal margin, component sourcing, and firmware. We check whether the board can be built at volume and at cost.

03

Patents & IP

We read every claim. We check ownership, prior art, and whether a competitor can design around the patent in a week.

04

People & knowledge

We identify who holds the knowledge the company depends on, and we measure how much of it is actually written down.

WE GRADE WHAT WE BUILD

Engineers Who Have Shipped What They Assess

Most diligence firms have never fabricated a board or run a platform in production. We have. That is why we can price a finding instead of merely flagging it.

THE ENTITY YOU CONTRACT WITH

AuditTrax Labs Inc

US-domiciled. The contract, the report, and the liability sit with a US counterparty. The assessment team is separated from any remediation work by written agreement, disclosed at engagement start.

THE ENGINEERING BENCH BEHIND IT

Tech4Biz Solutions

- 80+ engineers across hardware, software and AI
- In-house PCB fabrication facility
- Delivery in automotive, healthcare, security and regulated software

WHY THIS MATTERS AT THE TABLE

01

We grade boards

Because we fabricate boards. A schematic reads differently to the person who has to build it.

02

We grade architecture

Because we run one in production. We know where systems actually break at scale.

03

We price findings

Because we have done the remediation. Every gap carries a real cost, not a guess.

THE BASIS FOR OUR VERDICTS

Certified to Grade Regulated Systems

Our assessments rest on formal certification and standards we hold and work to. When we say a system meets a bar, we know the bar.

German IFM Certified R&D entity	**20+ Patents** Filed across the platform	**HIPAA** Healthcare data handling	**GxP** Regulated pharma / QMS
21 CFR Part 11 Electronic records	**ISO 27001** Information security aligned	**SOC 2** Controls readiness	**EMC / Safety** Hardware certification review

DOMAINS WE HAVE DELIVERED IN

AUTOMOTIVE

Connected-vehicle gateways, embedded firmware, edge inference.

HEALTHCARE

HIPAA billing, clinical retrieval, payer policy ingestion.

HARDWARE SECURITY

Device activation, volume keys, client certificates.

OBSERVABILITY

Enterprise monitoring on Kubernetes, identity, private networking.

REGULATED SOFTWARE

GxP QMS, data-protection audits, compliance closure.

CLOUD ARCHITECTURE

Multi-plane platform design with formal decision records.

MOBILITY SAAS · BILLING & SCALE DILIGENCE DELIVERED

We Found the Revenue the System Could Not See

A B2B employee-transportation platform was preparing for a raise. Its own system reported materially less revenue than it actually invoiced. We were commissioned to find out why before the investor did.

15–20%
invoice-to-system revenue gap, quantified and traced

20+ days
manual monthly close, identified as an IPO-readiness blocker

~15%
of bookings affected by missing trip data

WHAT WE FOUND

- System-computed revenue far below actual invoiced total
- 1,400–1,600 invoices per month raised by one person
- One shared production database serving portal, billing and payouts
- No billing-to-ledger integration; POs not stored in system

THE IMPACT FOR THE INVESTOR

We turned a vague "the numbers do not tie out" worry into a scoped, sequenced, and costed remediation plan. The revenue leakage was named, the single-person dependency was surfaced, and the close bottleneck was quantified. The investor underwrote a verdict, not a guess.

DOMAINS: SOFTWARE · DATA · PROCESS · KNOWLEDGE

HEALTHCARE · REGULATED SOFTWARE IN PRODUCTION

We Graded a Clinical Billing Platform Against Its Own Rules

A HIPAA-regulated billing platform claimed accuracy it could not evidence. We assessed the retrieval pipeline and coding engine against the payer policy set it runs on, and measured what actually held.

92%
code recall verified against 1.73M payer rules

1.73M
policy rows ingested and checked, not sampled

HIPAA
data handling audited against the running system

WHAT WE ASSESSED

- Retrieval pipeline over the full payer policy corpus
- Coding accuracy measured, not asserted from a demo
- Speech-to-text intake and secure document handling
- Access control across roles under HIPAA constraints

THE IMPACT FOR THE INVESTOR

The accuracy claim moved from marketing to measured. We gave a verified recall figure against the real rule set, a clear read on regulatory exposure, and a costed path for the gap between the current system and the next scale. The valuation rested on evidence.

DOMAINS: SOFTWARE · DATA · COMPLIANCE

ENTERPRISE · DATA PROTECTION & COMPLIANCE DELIVERED

We Closed the Gap Between the Policy and the System

An enterprise stated a data-protection policy in writing. We checked whether the running system kept it. It did not, in 125 specific places. We named each one and closed it.

125
policy-to-system gaps identified and closed

100%
of findings reproduced with evidence before report

12-plane
cloud architecture graded with 15 decision records

WHAT WE DID

- Audited stated policy against the live system, line by line
- Reproduced every gap with exact steps, not assertions
- Sequenced and closed 125 findings to remediation
- Delivered a twelve-plane architecture with formal records

THE IMPACT FOR THE INVESTOR

The company could no longer say "the policy covers it" without proof. We converted a paper promise into a verified control state, and left a costed, sequenced record of exactly what was wrong and what fixing it took. That is underwritable.

DOMAINS: SOFTWARE · COMPLIANCE · ARCHITECTURE

EVERY FINDING CARRIES A VERDICT

We Test Authorization More Than Once

We take a credential valid for one account and point it at another account's records. We do the same across tenants and across roles. Then we sort every finding into one of three categories, including the ones that make us look wrong.

CONFIRMED

We reproduced it. We can show you the exact steps to repeat it. We do not report a problem we cannot demonstrate.

VERIFIED SECURE

We tried to break it and could not. We say so explicitly. Most reports go silent on what held. We do not.

NEEDS CLARIFICATION

We could not fully test it with the access we were given. We say that plainly rather than hide it.

12 – 100+ findings per platform that affect production

The range is wide because companies differ. What does not differ is that we find something. A low count often means the system is small. A high count means you now have a list, a priority order, and a price for each item. You underwrite the verdict, not the count.

ONE VERDICT, A PRICE FOR EVERY FINDING

The Report Ends in a Recommendation

Each finding carries a severity, a way to reproduce it, and an estimated cost to fix. Software, hardware, and IP are assessed in the same engagement and delivered in the same document, in days.

PROCEED

The technology holds at the scale in your model. We found nothing that changes the price.

PROCEED WITH CONDITIONS

We found gaps. Each is scoped, sequenced, and costed. You know the number before you wire the money.

PAUSE

We found something that changes the valuation, timeline, or integration plan. We show you what and why.

FOUR NUMBERS YOU CAN PUT IN THE MODEL

01

A price you can negotiate with

Every finding has a fix and a cost. Add the costs. That total is a position at the table, not a surprise later.

02

A timeline you can trust

You learn what the architecture is before you commit to an integration date that depends on it.

03

The real value of the IP

We tell you which patents block a competitor and which only look good on a slide.

04

The cost of the people you must keep

We name who holds the critical knowledge, so you price retention against a dependency you can see.

WE BUILD BOARDS, SO WE CAN GRADE BOARDS

A Board That Works on a Bench Can Fail in Production

We have designed, laid out, and fabricated boards. We read a schematic the way the person who has to build it reads a schematic.

01

Design margin

Thermal headroom, power budget, and signal integrity at the rated operating range.

02

Manufacturability

Whether the layout assembles at yield, and what the yield loss costs per unit.

03

Component risk

Single-source parts, end-of-life parts, and lead times that break the shipping plan.

04

Firmware & update path

Whether a field device can be patched, and what happens to the fleet if it cannot.

05

Certification readiness

EMC, safety, and regional compliance. The gap to a passing test.

06

Cost at volume

The bill of materials at the volume in the model, not the volume on the bench.

A PATENT COUNT IS NOT A VALUATION. A CLAIM IS.

We Read the Claims, Not the Cover Sheet

Companies list patent numbers on a slide. We read the claims and answer the four questions that decide whether those patents protect anything.

01

Does the company own it?

We trace assignment. Inventor employment terms, contractor agreements, and university licenses are the three places ownership breaks.

02

Is the claim broad enough to matter?

A narrow claim protects one implementation. We assess how quickly a funded competitor could design around it.

03

Does prior art exist?

We search the art the examiner may have missed. A patent granted is not a patent that survives a challenge.

04

What would it cost to enforce?

A patent you cannot afford to litigate is a marketing asset, not a legal one. We say which one you are buying.

We are engineers and prior-art readers, not patent attorneys. We flag; counsel opines.

DAYS, NOT MONTHS · FIXED SCOPE · ONE VERDICT

Scope, Assess, Reproduce, Verdict

01 Scope › 02 Assess › 03 Reproduce › 04 Verdict

01 · SCOPE

We agree access

Repository, infrastructure, schematics, patent filings, and policy documents. Fixed and written down before we start.

02 · ASSESS

All four domains

Software, hardware, IP, and knowledge concentration, assessed together in one engagement.

03 · REPRODUCE

We show our work

We do not report what we cannot show you. Every confirmed finding comes with the steps to repeat it.

04 · VERDICT

One recommendation

Proceed, proceed with conditions, or pause. Each finding is ranked by severity and carries a cost to fix.

> **Who asks for this.** Investors before a round closes. Acquirers before an LOI becomes binding. Founders who want to know what the diligence will find before the diligence starts.

BEFORE YOU WRITE THE CHECK

Find Out What the Technology Is Worth, and What It Will Cost to Keep Running.

> If you are the founder, find out before the investor does. The same report that defends a valuation can prepare one. It turns a defensive purchase into an offensive one.

AuditTrax Labs Inc

A US entity, staffed by engineers who build what they grade. Software, hardware, and IP assessed in one engagement, delivered in days, priced for the model.

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