REVIVE AI

CONTRACT INTELLIGENCE

Turn RFQs into Winning, Profitable Bids

www.revive.cx

The Proposal Bottleneck

Manual proposal processes limit bid capacity. Teams can only handle one proposal at a time due to the 3-5 week cycle required to parse specifications and generate documentation – leaving profitable opportunities on the table

CYCLE TIME

3-5 WEEKS

Per proposal

Slow manual review stretches response time and delays strategic decisions

DECLINED PROPOSALS

30%

Walked away from

Not due to low win potential, but because people do not have time to write bids

POST-AWARD LEAKAGE

$340K

Average cost per project

Scope gaps discovered after contract award create expensive downstream recovery work

COMPETITIVE IMPACT

Lower win rates

Rushed bids underperform

When teams scramble, proposals miss the analysis that differentiates winning submissions

The bottleneck isn't talent It's time

WHEN PROPOSALS ARE RUSHED, GAPS SLIP THROUGH

Hidden Requirements Cost Millions

The biggest problem is hidden information – requirements spread across appendices, drawings, notes, and revisions that teams have to connect manually under proposal pressure

That is why scope gaps are often discovered when it is already too late to price them correctly and too early to recover the margin

Specs hidden across appendices

Commercial and technical requirements often sit outside the main scope narrative

Dependencies buried in drawings

Cross-discipline notes and field constraints are easy to miss in plan sets

Scope gaps found after award

Late discovery converts hidden scope into rework, claims, and margin erosion

Manual review misses connections

Humans can read documents, but not every hidden relationship at bid speed

Built for EPC contractors, owner-operators, and
OEM/technology providers across the energy value chain

REVIVE AI

ReviveAI is an AI-powered proposal automation platform that analyzes technical RFQs, matches equipment specifications against your catalog, and generates proposals –

reducing bid cycles from weeks to days

REVIVE AI

Designed for Industrial Proposal Work

Made for teams working across engineering, commercial, and operational requirements

01

OEM / Technology Providers

For automation vendors, OEMs, and system providers responding to complex RFQs and turning technical scope, pricing, and vendor inputs into proposal-ready documents faster.

02

EPC Contractors

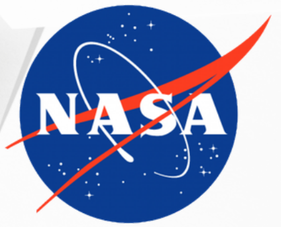
For engineering, procurement, and construction teams managing multi-party bid packages, where proposal speed, scope alignment, and cost accuracy directly affect competitiveness.

03

Owner-Operators

For asset owners running large industrial facilities that need better visibility into proposal content, technical requirements, and commercial decisions before project execution.

Our Technologies Powers



YOKOGAWA

JCI

HYUNDAI

PosiGen
Solar Energy and Energy Efficiency

Western Digital

TOYOTA
Financial Services

Others

What Our Clients Get

REVIVE AI

Cut proposal turnaround from 100 to 3 hours
Upload your RFQ on Monday. Review the generated proposal by Tuesday. Submit by Wednesday. Your team shifts from writing to reviewing – the highest-value work they can do

10x proposal capacity with your current team
Your proposal managers aren't limited by writing speed anymore. The bottleneck becomes review capacity, not document generation. Bid on 10 projects in the time it used to take for one

Higher win rates through consistent quality
Every proposal gets a thorough analysis. No more rushed Friday submissions with missing requirements. No more scope gaps discovered after submission. Consistency wins more bids

Margin protection from scope gap detection
Our AI catches the heated sample line buried in P&ID sheet 47. The NEMA 4X requirement hidden in area classification drawings. The dependencies that only appear when you read everything together. Gaps found before submission don't become change orders afterwords

Scalable growth without massive hiring
Revenue growth doesn't require headcount growth. When your pipeline doubles, your team doesn't need to. Expansion becomes a business decision, not a recruiting challenge

REVIVE AI

Verified AI. No hallucinations.
Every output is traceable. Every claim is sourced.

AI That Reads RFQ Like An Engineer

ReviveAI understands industrial specifications the way your senior engineers do – parsing I/O counts, SIL ratings, and technical dependencies across 300+ page RFQs

Upload RFQ
PDF, Word, Excel

AI Extracts
Requirements

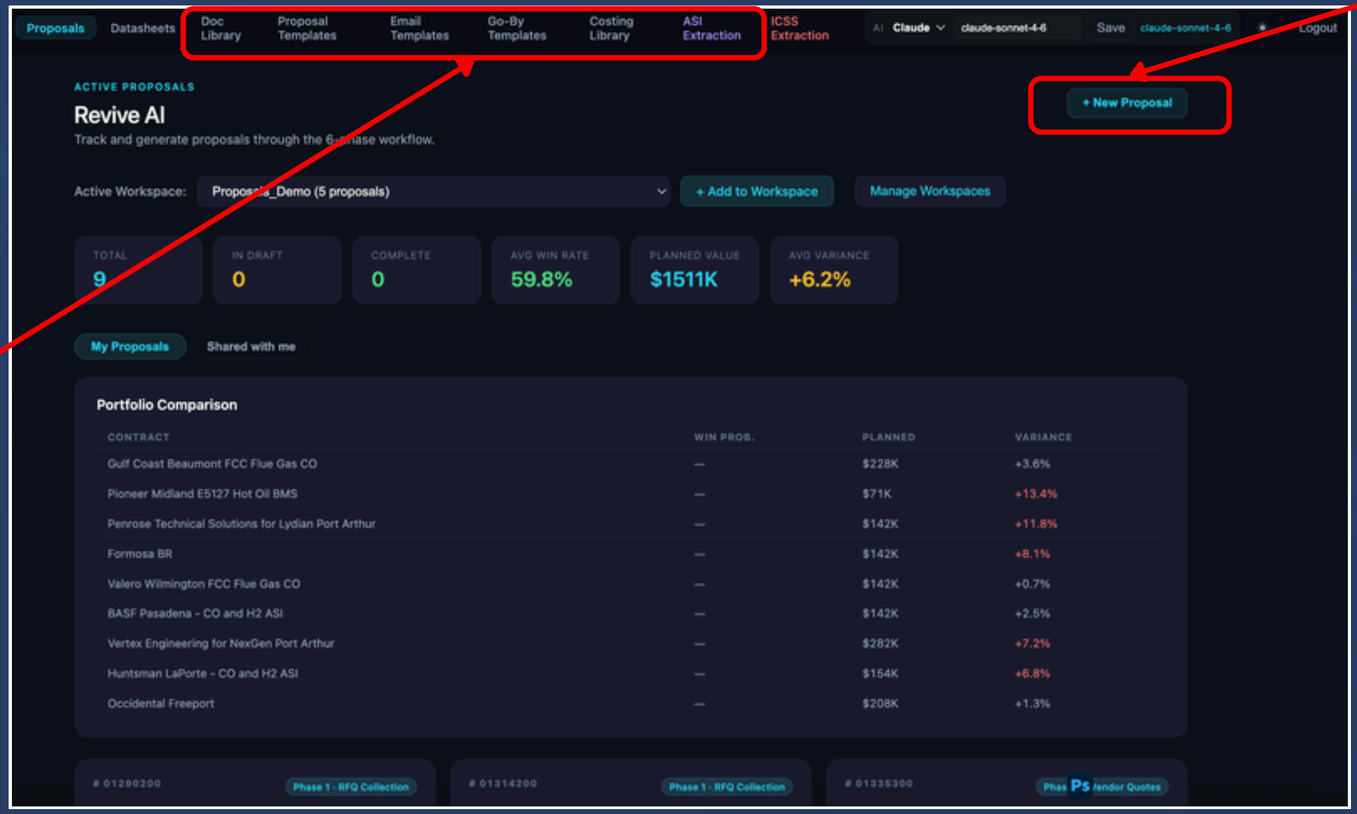
Smart Match
Equipment

Generate Proposal
Docx, PDF

Product Description

REVIVE AI

We begin by building a company-specific knowledge base that captures your equipment, proposal templates, previous contracts, and other historical project data



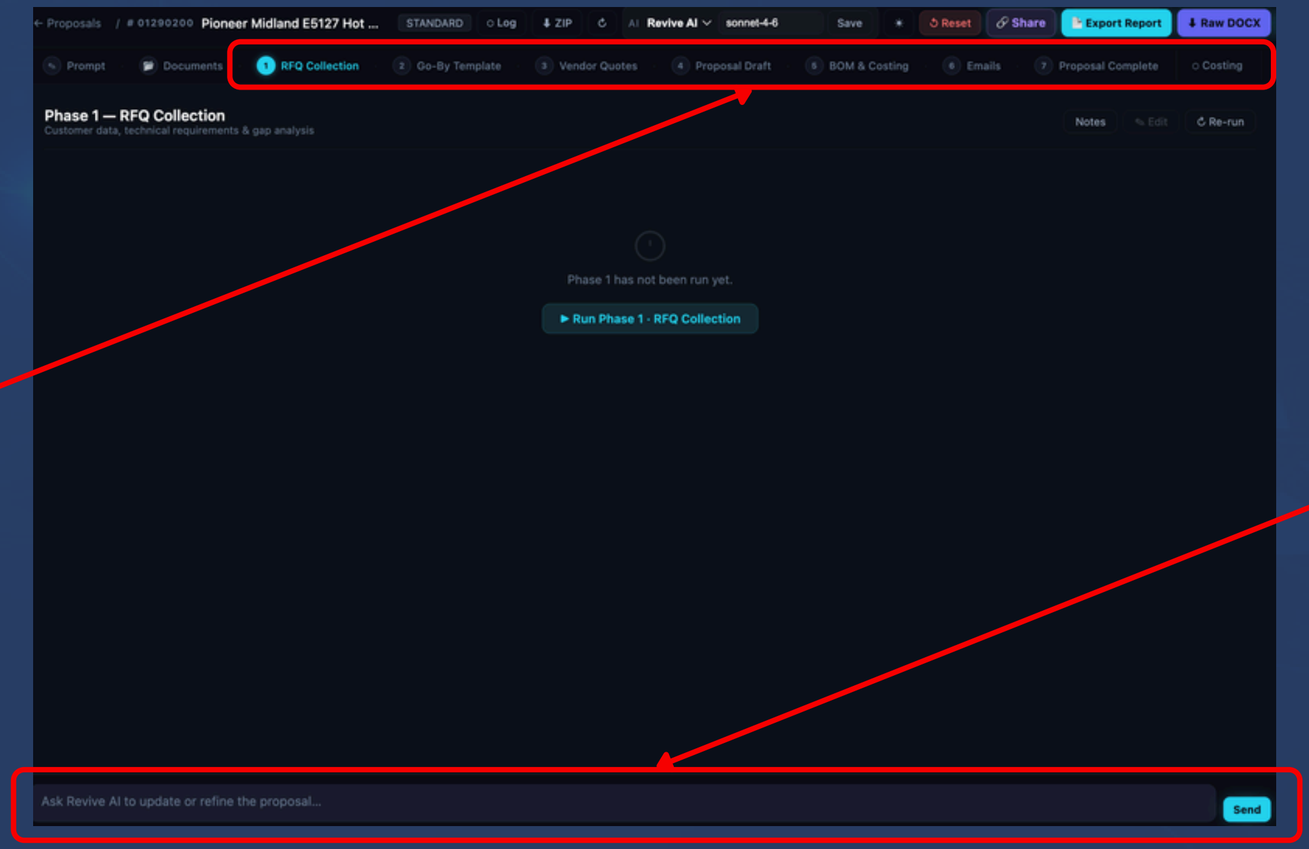
Upload one RFQ ZIP or multiple files to generate a proposal

Product Description

REVIVE AI

Phases run sequentially, guiding the proposal from RFQ intake to final deliverable

Each step builds on the previous one to generate a complete, structured proposal

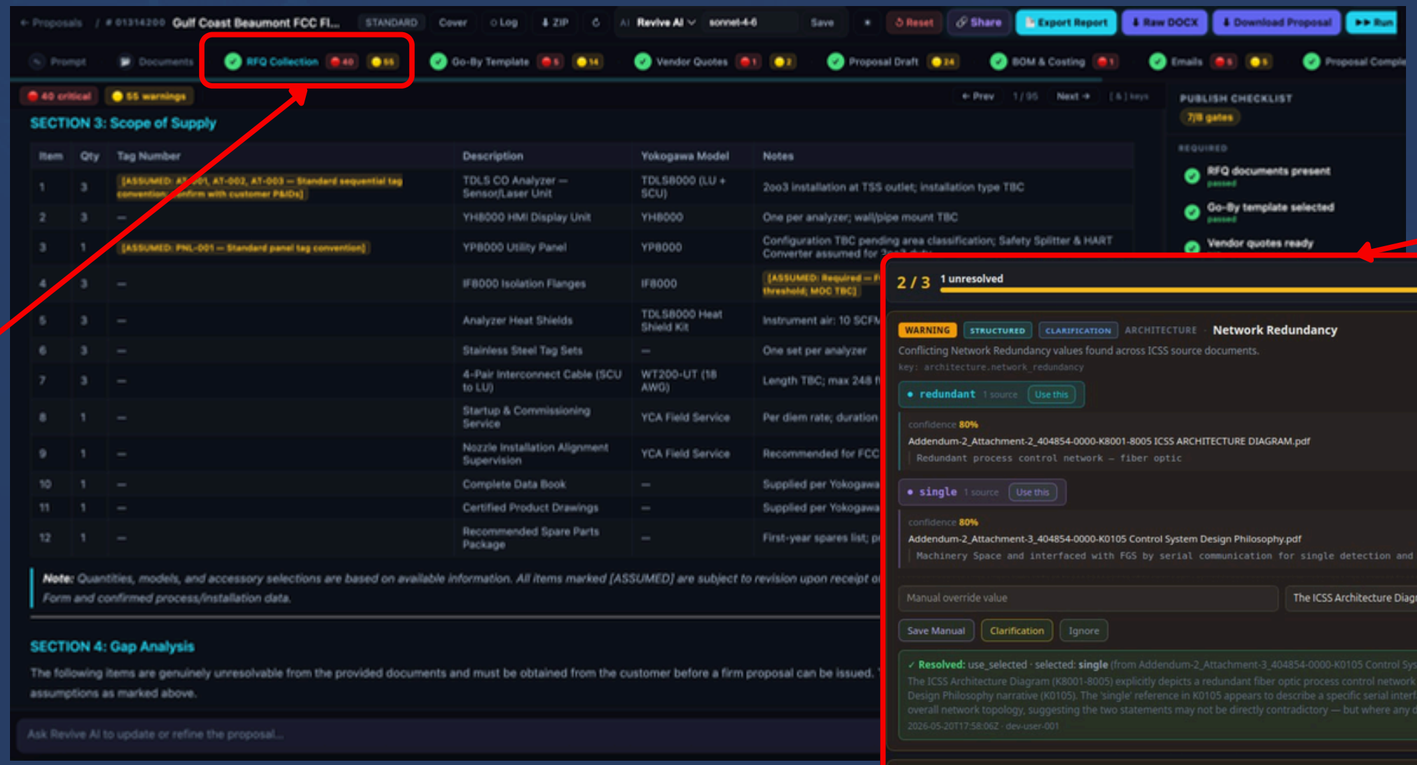


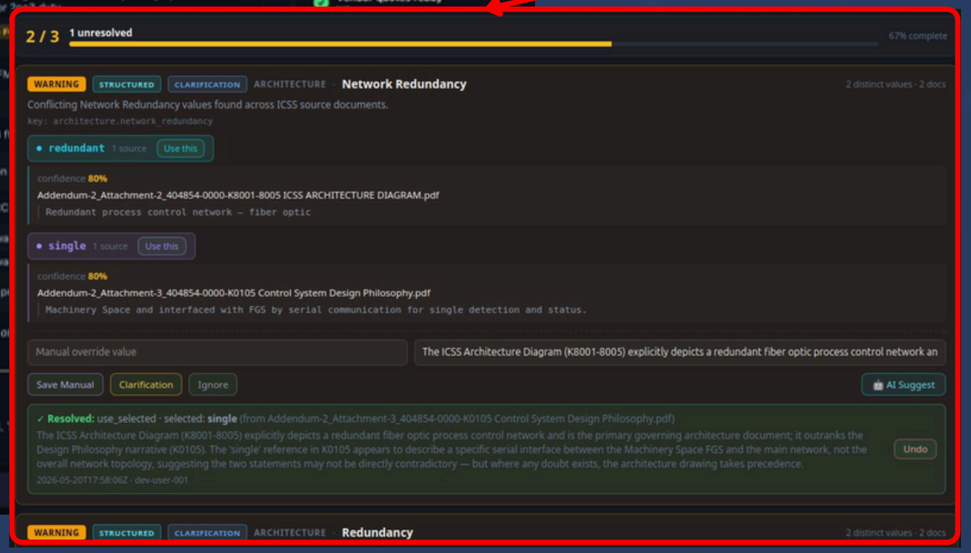
Human in the loop: the manager can step in at any time to review or refine the result

Product Description

REVIVE AI

Phase 1 extracts requirements from the RFQs across text, tables, drawings, and supporting files



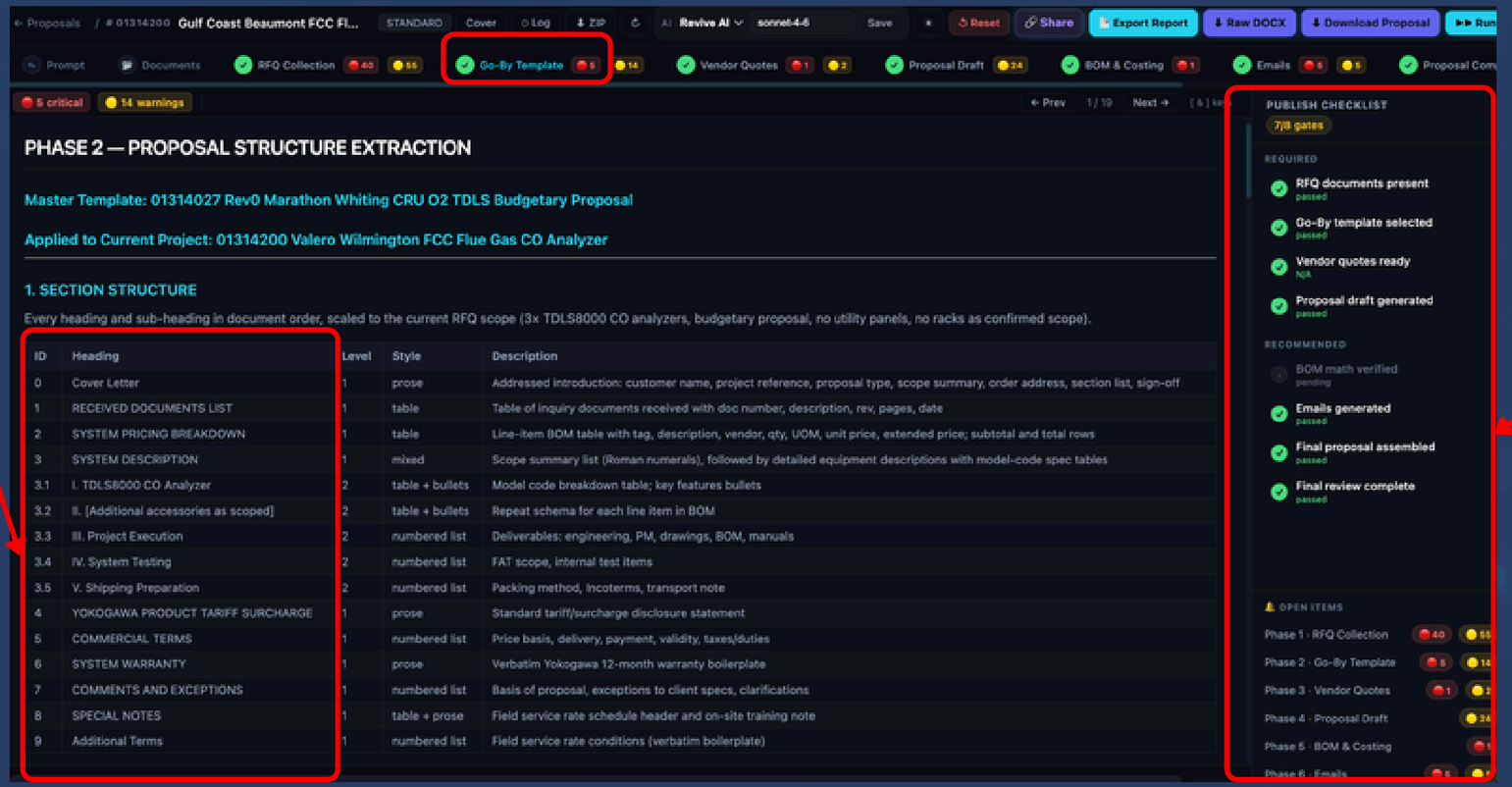


Revive AI even catches conflicts across RFQ sections that are easy to miss manually and suggests resolution options

Product Description

REVIVE AI

In Phase 2, the AI selects the best-fit template from your library for the type of RFQ and builds the proposal structure around it



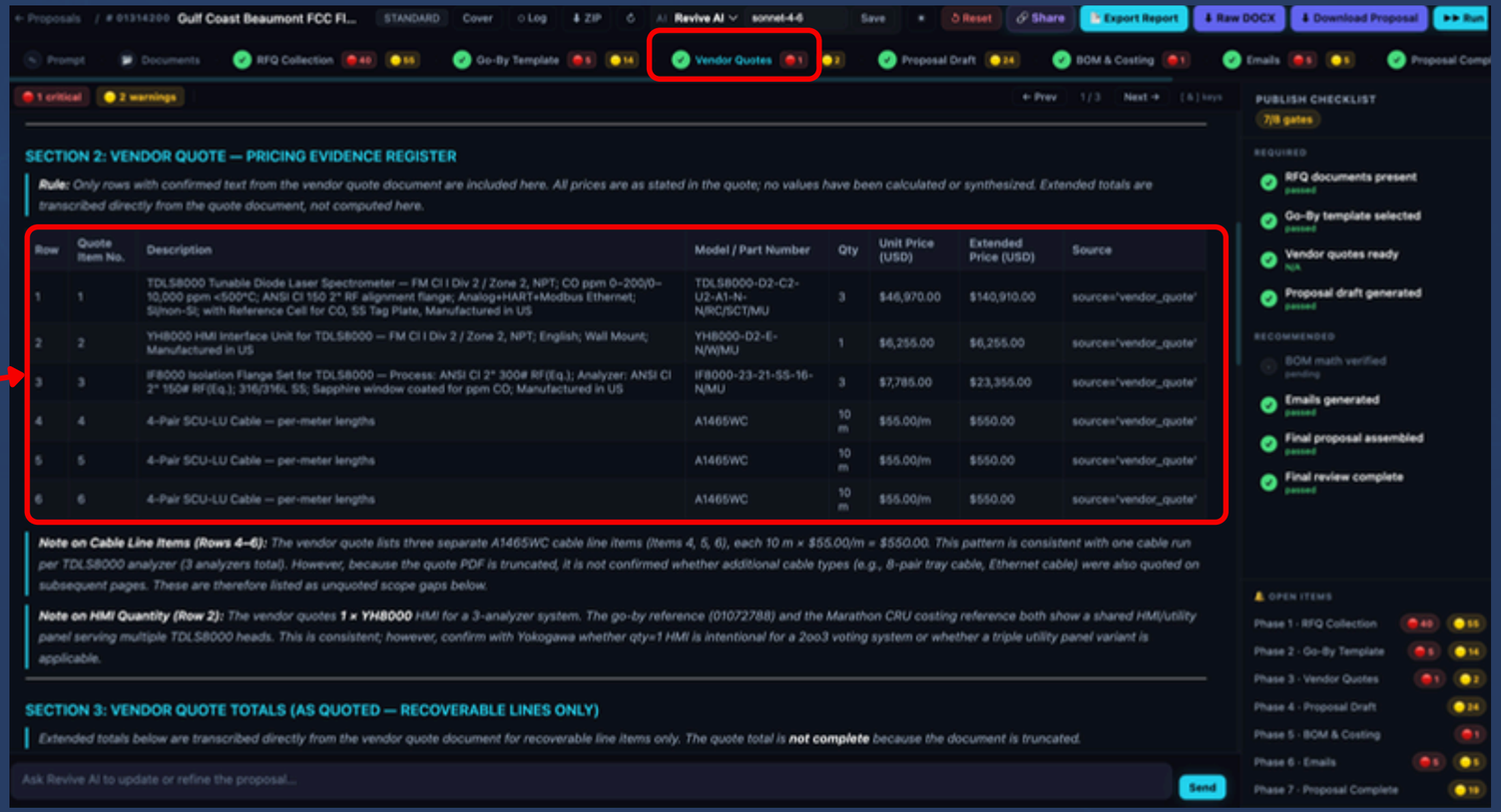
Each stage is checked through formal verification gates to minimize hallucinations and deliver dependable output

Product Description

REVIVE AI

In Phase 3, AI uses vendor quotes and previous proposals to build structured pricing evidence for the proposal

Line items, unit prices, totals, and source references are captured for a traceable cost build-up

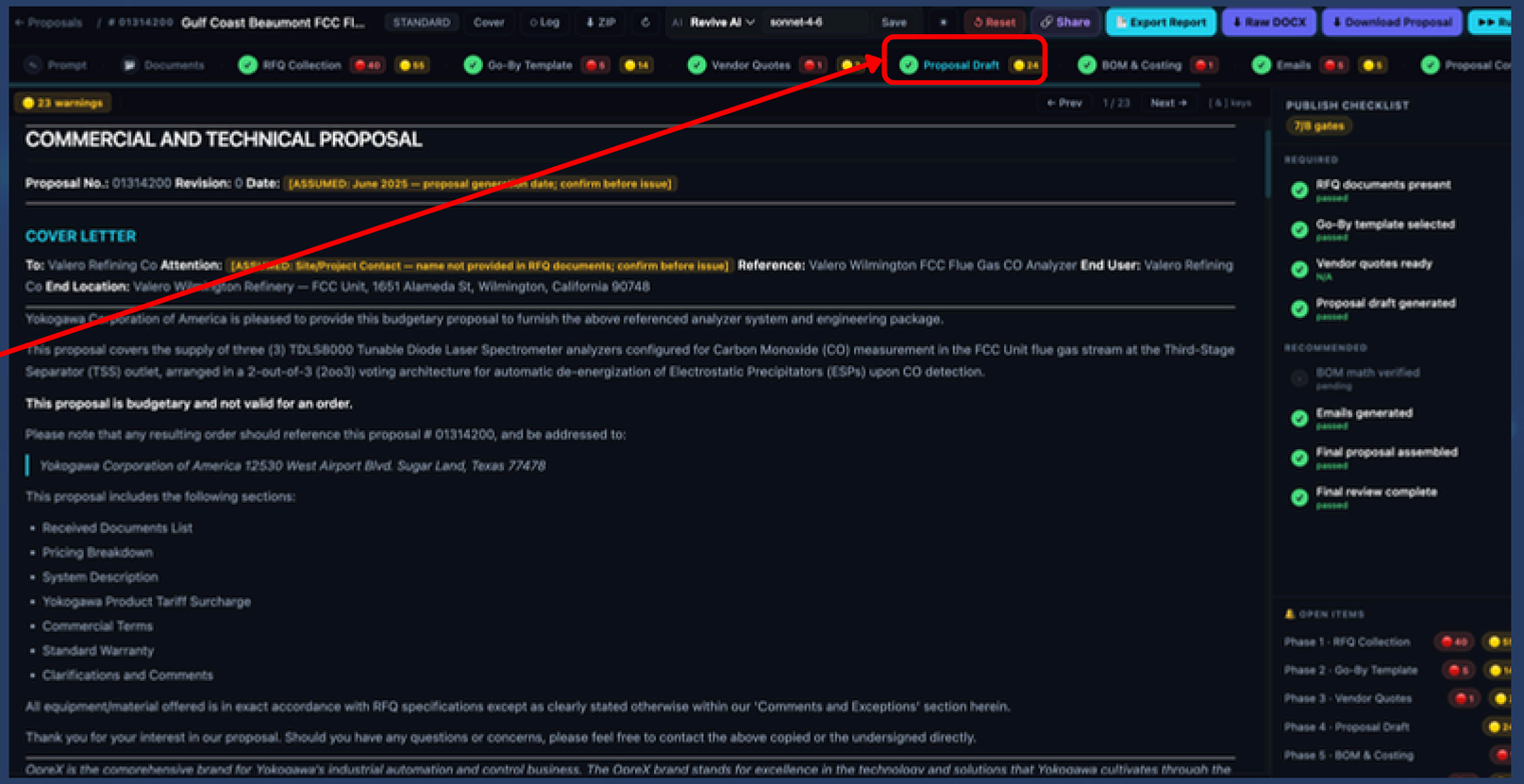


Product Description

REVIVE AI

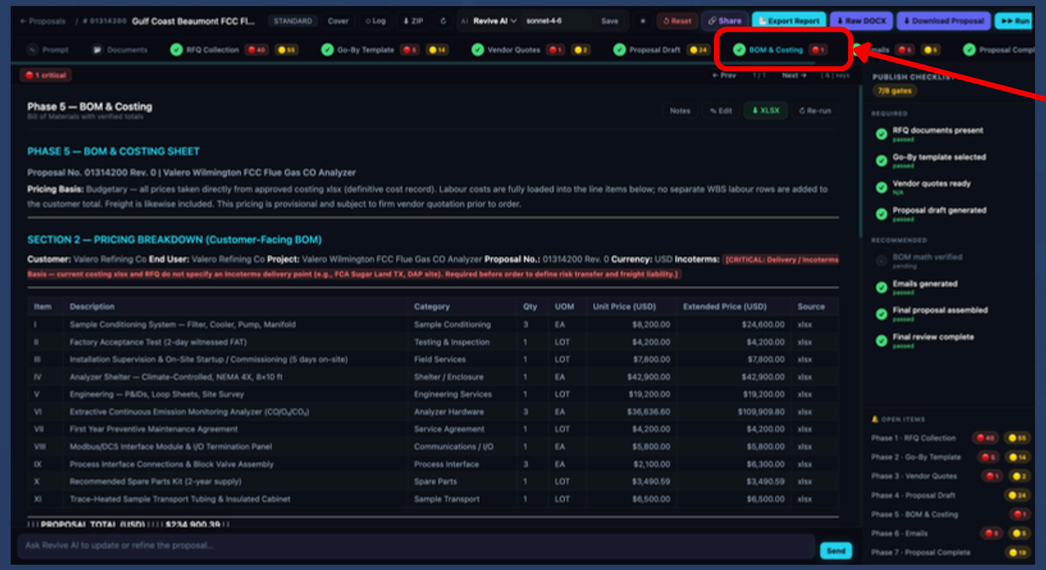
In Phase 4, the AI generates the first full proposal draft using the approved structure, extracted requirements, and pricing inputs

The result is a complete commercial and technical draft that the team can review, refine, and finalize



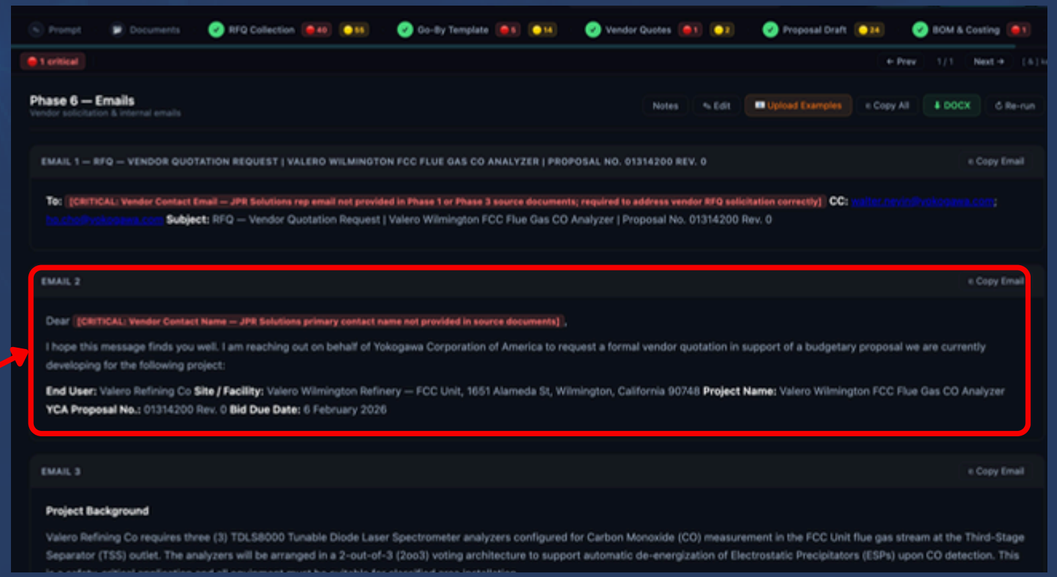
Product Description

REVIVE AI



In Phase 5, the AI converts validated scope and pricing evidence into a proposal-ready BOM and costing sheet.
Every line item is organized into a structured customer-facing cost breakdown with traceable totals

Revive AI can generate supplier emails to confirm current pricing. This helps validate quotes before the proposal is finalized



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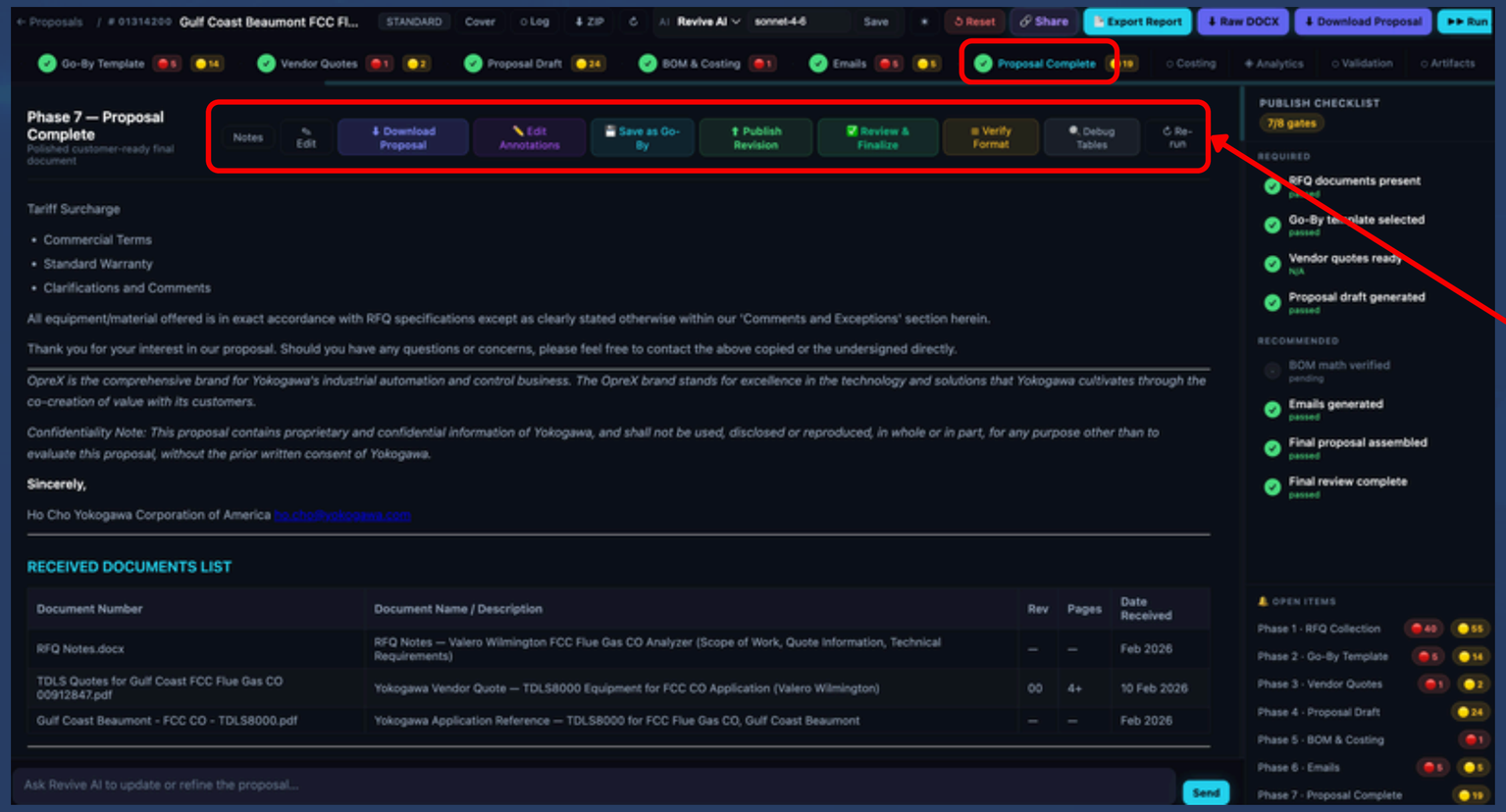
REVIVE AI



Phase 7 turns the generated content into a polished, customer-ready proposal

Users can review annotations, make edits, verify formatting, and finalize the document for delivery

Product Description

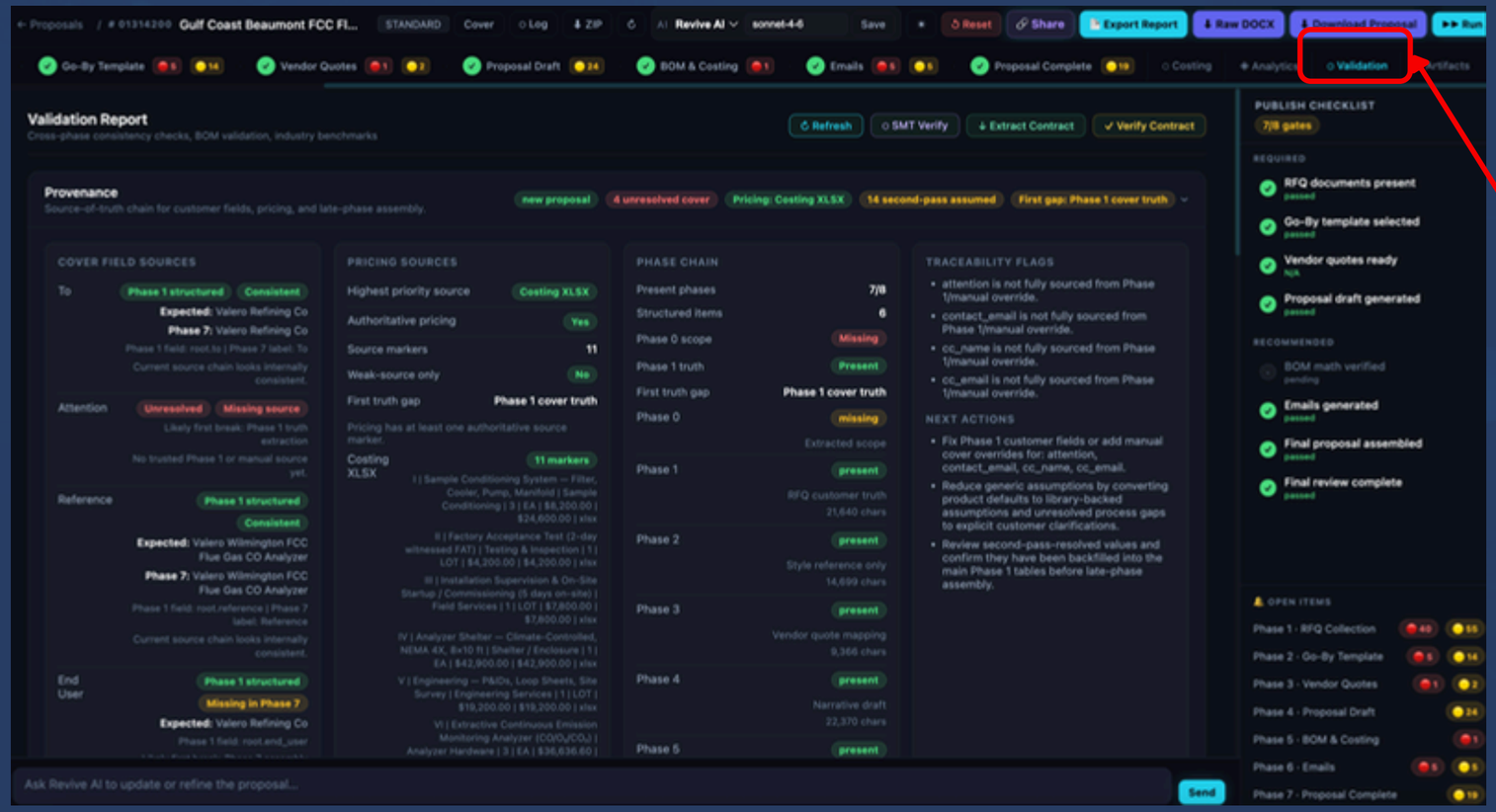
REVIVE AI

Analytics gives the team visibility into cost variance, proposal strength, and pricing tradeoffs before submission

Users can compare planned versus actual costs, evaluate acceptance probability, and identify a more competitive price range

Product Description

REVIVE AI

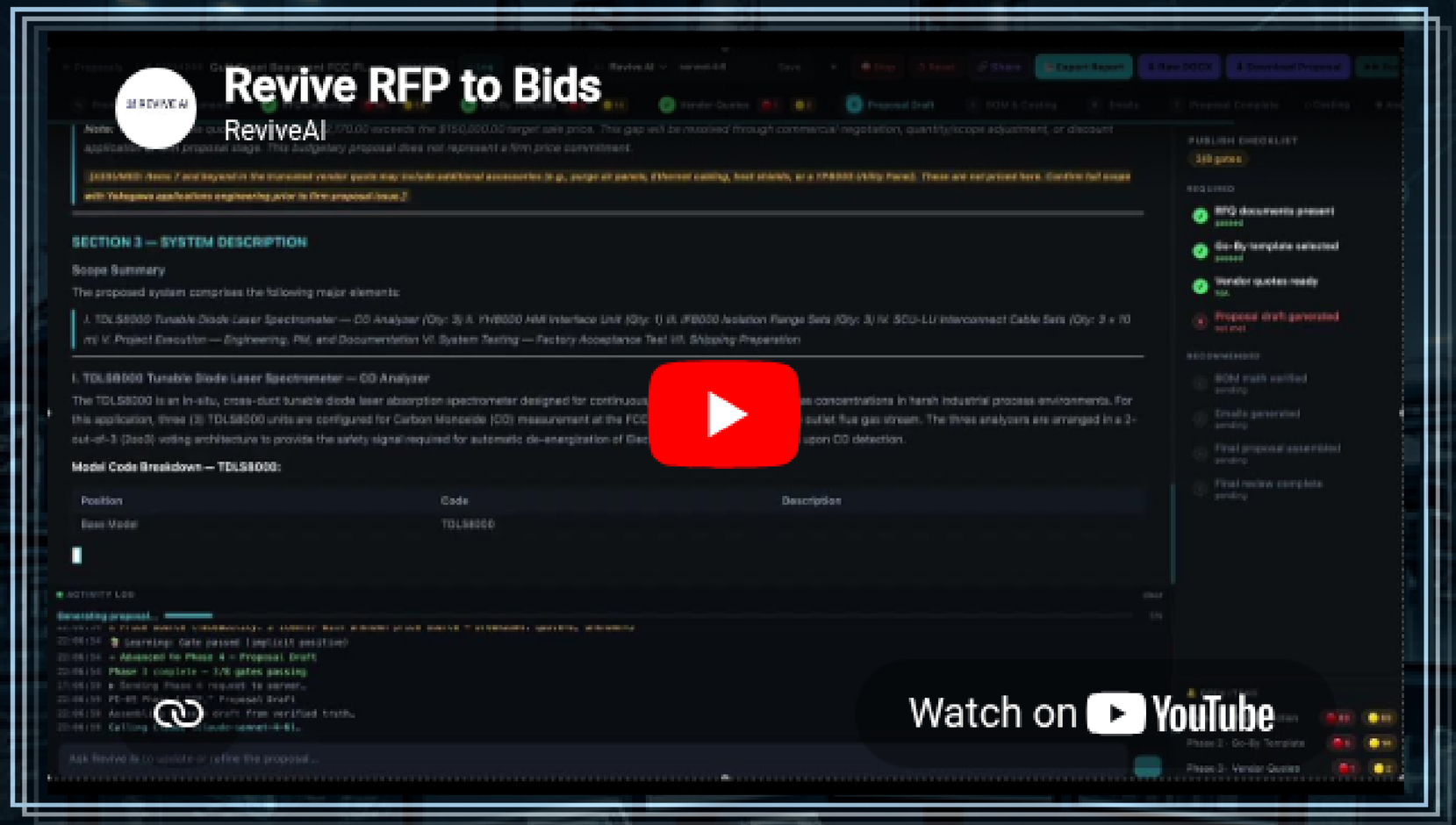


The validation report provides a clear view of proposal consistency, source coverage, and outstanding issues across phases

Users can trace key fields back to their sources, review validation flags, and understand what still needs to be resolved before delivery

Proposal workflow Demo

REVIVE AI



REVIVE AI

Why Proposal Teams Choose Us

Intelligent Bid Requirement Capture

Turn RFQs, specs, datasheets, standards, and commercial terms into a structured bid requirement set

- Technical scope across process, mechanical, electrical, controls, and packaged systems
- Vendor documents, standards, scope splits, and compliance requirements
- Faster alignment between technical and commercial review

Vendor, Standards & Strategy Alignment

Align each bid with your standards, preferred vendors, design basis, and approved alternatives

- Compare technologies, approved vendors, and package options faster
- Expose deviations, exclusions, and qualification gaps
- Standardize decisions across bid, engineering, supply chain, and commercial teams

Margin & Risk Visibility

Surface the issues that erode win rate, margin, and execution confidence before you commit

- Scope gaps, assumptions, missed tags, and interface risks before submission
- Lead-time, supply-chain, subcontractor, and execution exposure
- Commercial qualifiers, compliance gaps, and delivery risk

Automated Bid Package Generation

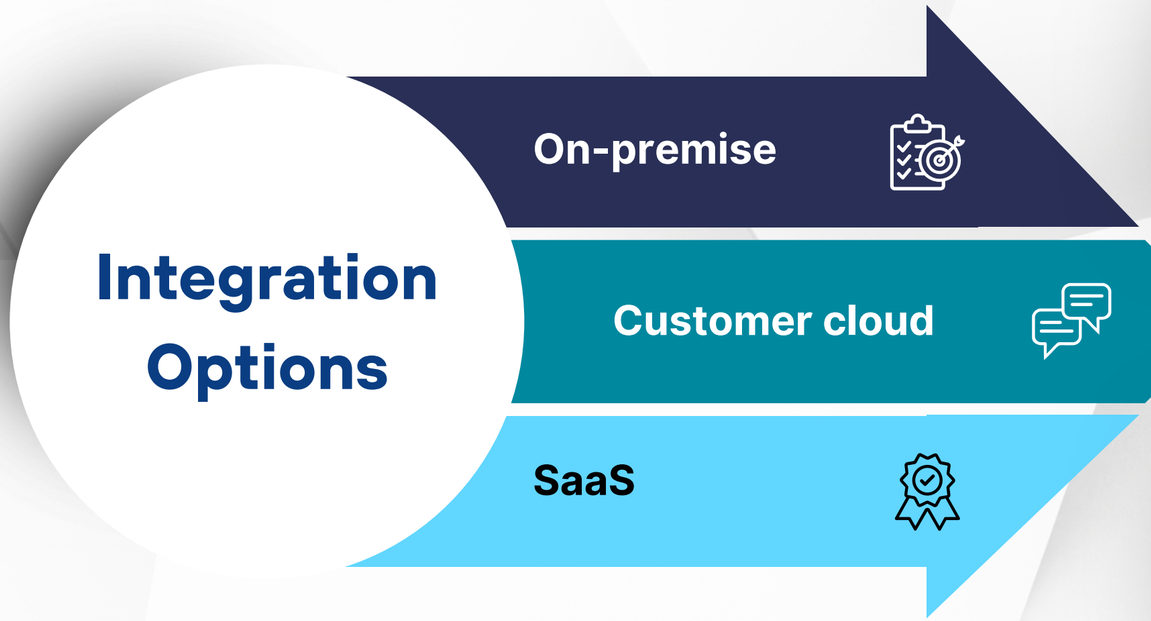
Generate faster, more consistent bid packages for internal review and customer submission

- Technical bid summaries and compliance matrices
- Vendor comparisons, clarifications, and deviation logs
- Scope breakdowns, equipment lists, and executive-ready outputs

Deployment & Integration Options

REVIVE AI

Revive AI Contract Manager can be deployed in the model that best fits the client's IT, security, and compliance requirements:



01 Installed within the client's own infrastructure for organizations with strict security or data residency requirements

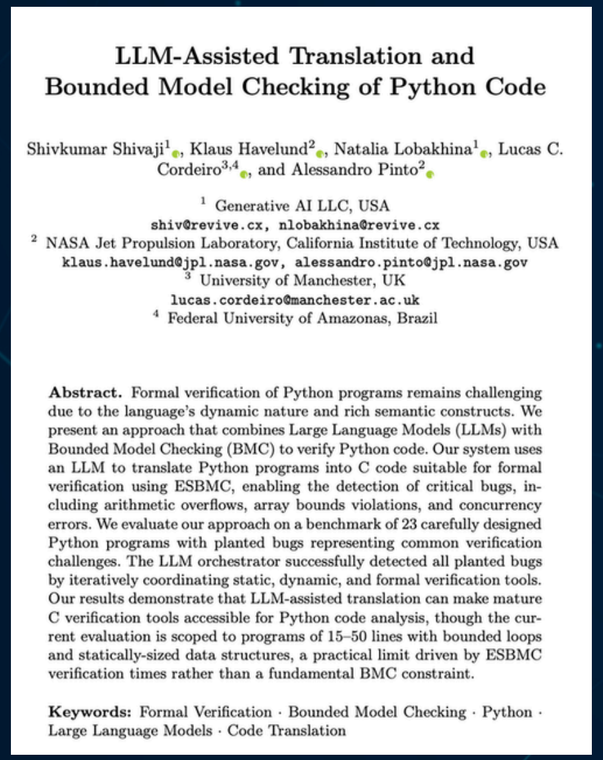
02 Deployed in the client's cloud environment for greater control and easier integration with internal systems

03 Delivered as a hosted solution for faster rollout and lower infrastructure overhead

About us

REVIVE AI

Revive AI started with a question: how do you build AI that never hallucinates?



LLM-Assisted Translation and Bounded Model Checking of Python Code

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Abstract. Formal verification of Python programs remains challenging due to the language's dynamic nature and rich semantic constructs. We present an approach that combines Large Language Models (LLMs) with Bounded Model Checking (BMC) to verify Python code. Our system uses an LLM to translate Python programs into C code suitable for formal verification using ESBMC, enabling the detection of critical bugs, including arithmetic overflows, array bounds violations, and concurrency errors. We evaluate our approach on a benchmark of 23 carefully designed Python programs with planted bugs representing common verification challenges. The LLM orchestrator successfully detected all planted bugs by iteratively coordinating static, dynamic, and formal verification tools. Our results demonstrate that LLM-assisted translation can make mature C verification tools accessible for Python code analysis, though the current evaluation is scoped to programs of 15–50 lines with bounded loops and statically-sized data structures, a practical limit driven by ESBMC verification times rather than a fundamental BMC constraint.

Keywords: Formal Verification · Bounded Model Checking · Python · Large Language Models · Code Translation

We found the answer in formal verification – mathematical methods used to prove software correctness in aerospace and safety-critical systems.

Our research, published with NASA scientists, showed how AI can assist in verifying complex code. Then we asked: where else do people need verified accuracy? Where does one mistake cost millions?

Now we apply these same verification principles to real industrial problems: parsing 300-page RFQs where a missed requirement becomes a $340K change order, monitoring SCADA systems where false alarms waste time and missed anomalies cause shutdowns.

We're building AI for the industries where mistakes are expensive – and quality is non-negotiable.

Founding Team

REVIVE AI

Our team is combining deep expertise in AI, infrastructure, and product development with a proven track record of delivering impactful solutions

Shivkumar Shivaji

- **Ph.D. in Computer Science** from the University of California, Santa Cruz
- **25+ Years of Expertise:** Extensive experience in software development, machine learning, and Agentic AI.

Proven Innovator:

- Built a machine learning platform for predicting and analyzing storage performance at Western Digital.
- Developed an Agentic AI solution for Fortune 400 companies to enhance code quality and security through automated unit test generation.
- Holds a patent for storage anomaly detection (Patent No. 10372524), showcasing expertise in efficient monitoring of large-scale storage systems.

Co-founder and CTO in:

- Crowdscience (acquired by Yume)
- PatternEQ (acquired by Western Digital)
- AutonomIQ (acquired by Sauce Labs)

Natalia Lobakhina

- **PhD in Economics, Master of Psychology**
- **15+ Years of Expertise** in entrepreneurship, business consulting, and technology startup acceleration

Proven Expertise:

- Launched and accelerated over 70 IT projects, securing funding for 20+ startups from commercial and government investors.
- Developed and implemented methodologies for assessing innovative potential and startup sustainability
- Lead consultant for business valuation, sales development, and growth strategy for fast-scaling companies and startups.

Specializations:

- Startup acceleration, technology commercialization, business investment and scaling, innovation management, strategic development, team and talent development.

Contact Us:

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REVIVE AI

SCHEDULE TECHNICAL DEMO

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