

SwarmLens and rp² Launch AssureLens: The AI Platform Built on 45 Years of Hard-Won Drilling Wisdom and Pre-AI Coding

Agentic AI meets four-and-a-half decades of real-world energy expertise, so the lessons that took a career to learn never have to be learned twice.

HOUSTON, TX, UNITED STATES, August 20, 2026 /EINPresswire.com/ -- [SwarmLens](#) and Relentless Pursuit of Perfection (rp²) today announced the launch of [AssureLens](#), an agentic AI platform for well delivery and capital operations that turns decades of archived field knowledge into a living, searchable intelligence layer.

The Problem No One Talks About

Industry loses billions every year to mistakes and incidents that have already been made and, in many cases, already been solved. The same operational errors recur across projects (wells, rigs, assets), with generations of teams repeating critical lessons that remain buried in reports, documents and individual experience rather than being accessible where and when decisions are needed.

Meanwhile, the engineers who could be making real-time decisions spend most of their time writing reports that rarely get referenced.

What AssureLens Actually Does



The graphic features the AssureLens logo at the top, which includes a blue and black stylized 'A' icon and the text 'AssureLens AGENTIC AI FOR ENERGY'. Below the logo, the text reads: 'An Agent + SME Collaboration Platform for Reducing Project Cost. Through Better Planning, Risk Understanding & Decision Confidence'. A quote follows: 'An operator's institutional intelligence, learning, and decision governance platform.' At the bottom, there are logos for SwarmLens (power of collective intelligence), rp², SPREAD, and drillers.com. Below the logos, the text states: 'Agent+ SME Collaboration Platform powered by Swarmlens ,in collaboration with rp²'. At the bottom of the graphic is a photograph of three people standing in front of a whiteboard.

From Left to Right: Reshma Nair, Dave Taylor, Hari Menath

AssureLens deploys domain-specific, multi-agent AI swarms paired with human-in-the-loop expert validation. Built on a proprietary knowledge graph and rp^2 performance expertise, the platform transforms fragmented project documents into live, actionable intelligence across energy planning and operations, from upstream well construction to power generation, utilities and large-scale infrastructure.

The platform organises this intelligence across four lifecycle phases:

PLAN: Aligning Teams and Intelligence

Collaborative planning workflows that pair AI agents with subject-matter experts.

Deep historical analysis that mines archived projects for risks and best practices.

Predictive lookahead planning that generates activity schedules ahead of time.

GOVERN: Contracts, Compliance and Risk

Rigorous risk identification, quantification and prioritisation.

Supplier performance scoring with peer benchmarking.

Contractor pre-qualification and vendor risk reporting that catches problems before they become projects.

EXECUTE: Operations, Integrity and Cost

Owner-assigned action tracking with automated follow-ups so nothing slips through the cracks.

Validation and audit workflows.

Continuous well integrity monitoring (pressure tracking, anomaly flagging and barrier health) in real time.

AFE intelligence for budget tracking, burn-rate analysis and cost variance detection across any project type.

REVIEW: Performance, Reporting and Learning

A KPI dashboard with automated trend summaries.

Global and offset benchmarking to set and track real efficiency targets.

Post-project synthesis, from End of Activity Reports to After Action Reviews in power and infrastructure, that permanently embeds what teams need to know.

Proof in the Field

AssureLens has already been applied to a real three-well drilling campaign in a Middle East onshore field, spanning twelve years of operational history.

The platform processed 600+ daily and end-of-well reports and delivered a full benchmarking, risk and compliance analysis. The first pass transformed that historical information into more than 20,000 fully traceable, source-cited insights. It mapped hundreds of risk register entries against leading international standards and sustainability frameworks, and automatically generated interactive visualisations and data tables. The optimisation modelling surfaced significant cost-saving opportunities, and every single result traces directly back to its source document. With human-in-the-loop oversight, the platform refined this to just over 400+ clear, traceable and concise insights.

AssureLens turns well-delivery knowledge into a continuous learning and execution loop. It captures insights during planning, ensures every action is owned, followed up and closed on time, and flags emerging insights as operations unfold. Each well adds to the institutional knowledge base, creating a knowledge engine that makes every subsequent well smarter.

“Since beginning my oil industry career with rp² in Aberdeen 23 years ago, I was intrigued by how to leverage vast amounts of data to improve the well delivery process. Today, agentic AI provides us the capability to transform that knowledge into an always-available, continuously evolving asset for well delivery.

Together with rp², we are uniting deep industry expertise with agentic AI to establish a continuous knowledge loop where every piece of data and insight becomes accessible when it matters, informs the next decision, and renders the entire system smarter. Our ambition is straightforward: turn knowledge into measurable business value for our clients.”

Harish Pillai, CEO, SwarmLens

“From my very first day at work, I was shocked at the wastage and hazards that are accepted as inevitable in our industry. This alarm was heightened by my time on the wellsite as an Engineer and then Drilling Supervisor.

When I came onshore, I vowed to help build a safer and more efficient workplace. We have worked with just under 350 teams worldwide and the challenges and opportunities are the same throughout.

I am convinced that this partnership with SwarmLens, and the massive human resources and passion that we are bringing to bear, will transform the way teams work.”

Dave Taylor, Managing Director, rp²

What Comes Next

AssureLens is available for enterprise deployment globally across well delivery, capital project governance and asset integrity operations.

To schedule a platform demonstration or explore pilot deployment options, visit assurelens.tech.

About SwarmLens

SwarmLens builds customisable AI platforms and enterprise solutions for capital-intensive industries. By combining deep machine learning architecture with a global network of subject-matter experts, SwarmLens helps organisations across energy, industrial manufacturing and finance make reliable, data-backed operational decisions at scale.

Learn more: swarmlens.com

About RP Squared (rp²)

rp² is a premier performance consultancy for energy and associated industries. With 30+ years of domain expertise and proprietary drilling-performance data, rp² partners with operators worldwide to drive continuous learning, eliminate risk and maximise field delivery efficiency. Learn more: rp-squared.com

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Editor's Note: The partnership behind AssureLens carries more than commercial weight. Harish Pillai was Dave Taylor's first employee at rp² in Aberdeen over 23 years ago. What began as a mentor and protégé relationship in the North Sea drilling industry has evolved into a shared conviction: the knowledge this industry generates deserves to outlast any single career. AssureLens is the product of that conviction.

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