

EON launches Scenario Factory — authoring a whole plant's expertise overnight, not one procedure at a time

Scenario Factory: Preserving Plant Expertise Overnight Before Workforce Knowledge Disappears for Good

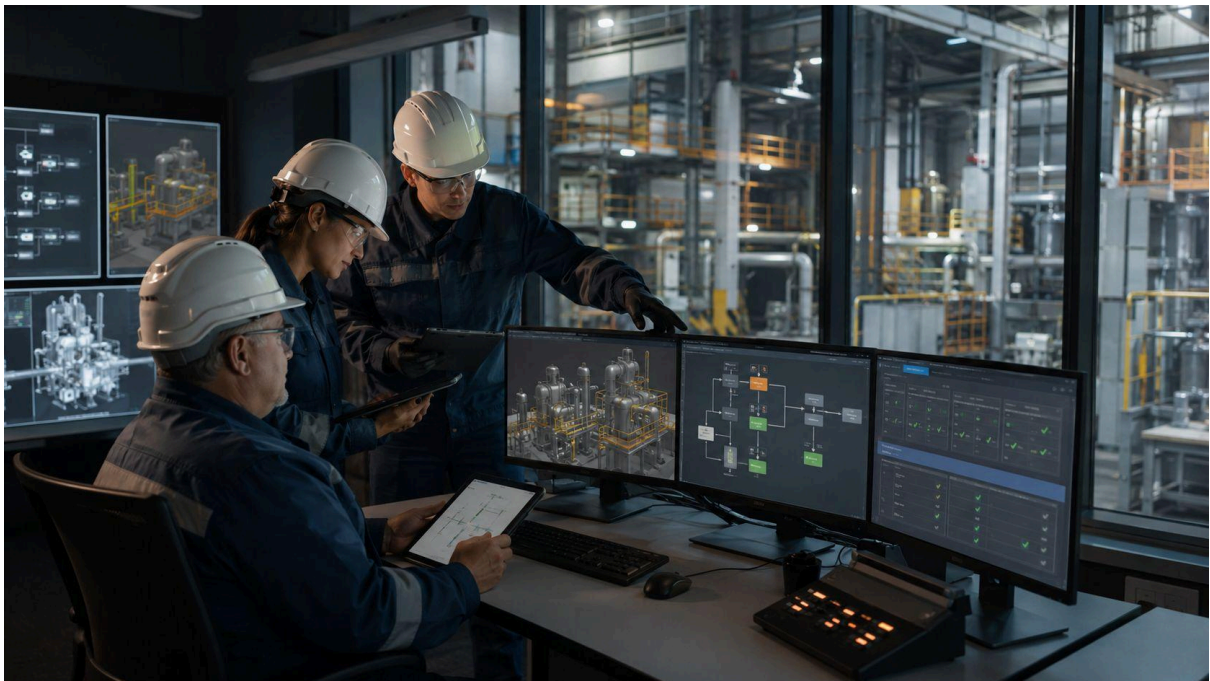


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EXECUTIVE SUMMARY

Scenario Factory, the latest innovation from **EON AI Ventures**, is poised to redefine the way industrial enterprises preserve and scale their operational expertise. Built as an en-masse upgrade to the **Encode station** within the **Intelligence Flywheel**, Scenario Factory transforms the traditionally slow, sequential process of procedure authoring into a factory-scale operation that completes overnight. By leveraging **self-verification**, **adversarial review**, and **resumable state** technologies, Scenario Factory enables enterprises to encode thousands of **governed procedures** efficiently, accurately, and at unprecedented speeds.

The industrial sector is facing an impending **knowledge cliff**, with 50% of senior operators retiring within the next five to seven years. These individuals are the custodians of critical institutional knowledge—knowledge that, if not captured in time, risks being permanently lost. Traditional procedure authoring methods, which rely on human-paced review and manual documentation, are no longer sufficient. For example, a typical pilot program might yield six scenarios in ninety days—a pace that falls dramatically short of encoding the 9,000 procedures a single facility might require. Scenario Factory solves this challenge by scaling the authoring process across **hundreds of parallel agents**, enabling entire libraries of procedures to be encoded before the workforce attrition accelerates.

At its core, Scenario Factory ingests a wide range of enterprise source materials—such as SOPs, manuals, CAD models, photogrammetry, and even frozen legacy SCORM libraries—and processes them through the full **eleven-step Genesis pipeline**. This pipeline generates **governed 3D digital twins** of procedures, which are then subjected to rigorous validation. Each procedure is **self-verified** against the source material and tested by **adversarial agents** to identify any inaccuracies, such as unsafe sequences or omissions. Only procedures that pass these tests are published to the enterprise’s operational library. Ambiguous cases are routed to a **senior review queue**, ensuring that human oversight is applied where it is most needed. As a result, the senior team is freed from exhaustive manual reviews and can focus on validating the few hundred cases flagged by the system.

The speed and scale of Scenario Factory are made possible by its integration into the **Human 2.0 OS**, a self-reinforcing loop that transforms expert judgment into actionable intelligence. The **Conductor** orchestrates this loop, ensuring that each station—from **Genesis 3** to **Field IQ**, **Assess IQ**, and **Compound IQ**—works cohesively to deliver precise, real-time operational guidance. This compounding loop does more than simply capture knowledge; it continuously refines and improves operational procedures based on real-world feedback.

Trust and safety are central to Scenario Factory’s design. In industries where a single error can have catastrophic consequences, the system incorporates three architectural guarantees: it **checks itself first** through adversarial testing, **asks when unsure** by escalating ambiguous steps to human experts, and ensures that **everything is on the record** with an **audit-ready architecture**. These safeguards align with industry safety frameworks, such as **OSHA 29 CFR 1910.147**, ensuring compliance and trustworthiness.

Scenario Factory is now available in limited pilot form as part of EON's **90-day Human 2.0 Engagement (H2O)** program. The inaugural use cases focus on authoring lockout/tagout and isolation procedures for ten anchor industrial enterprises. These pilots aim to demonstrate the system's ability to encode entire procedure libraries in days, not years, while maintaining the highest standards of accuracy and safety.

By enabling industrial enterprises to preserve the entirety of their operational expertise before their most experienced workers retire, Scenario Factory bridges the gap between human knowledge and AI capability. It ensures that organizations are not left with a "museum of procedures" but rather a **living, compounding asset** that drives continuous improvement. With Scenario Factory, EON AI Ventures is delivering on its mission to be the **acceleration layer between AI capability and workforce readiness**, transforming how enterprises adapt to the demands of the **AI era**.

THE PROBLEM/CHALLENGE

Industrial enterprises are grappling with a critical challenge: the imminent loss of institutional knowledge as senior operators retire at an accelerating rate. This **knowledge cliff** threatens to leave organizations without the operational expertise required to maintain safety, efficiency, and compliance in high-stakes environments. The traditional methods of capturing and documenting this expertise—reliant on manual, human-paced efforts—are no longer sufficient to meet the scale and urgency of this crisis.

A single industrial facility may rely on thousands of procedures, encompassing everything from **lockout/tagout and isolation protocols** to startup sequences and emergency responses. Each procedure represents years, if not decades, of accumulated expertise. Yet, encoding these procedures into actionable, governed formats remains a daunting challenge. A typical pilot program might generate six scenarios in ninety days—a pace entirely inadequate for encoding the 9,000 procedures a single site might require. At this rate, the procedure library would take years to complete, by which time the senior operators who hold this knowledge would have already retired, leaving a significant expertise gap.

The consequences of failing to address this challenge are severe. Without a robust mechanism for capturing and preserving operational knowledge, enterprises risk increased downtime, operational inefficiencies, safety incidents, and regulatory non-compliance. Moreover, the inability to document and govern procedures at scale places a heavy burden on the remaining workforce, who must operate in an environment of incomplete or outdated information.

Traditional solutions, such as manual documentation and sequential authoring workflows, are ill-equipped to solve this problem. These methods require extensive human oversight, with experts reviewing each procedure draft individually. This labor-intensive approach not only slows the process but also diverts senior personnel from high-value operational tasks.

Furthermore, the variability in human judgment increases the risk of errors and inconsistencies in procedure documentation.

The urgency of the problem is further compounded by the rapid pace of technological change in the industrial sector. The advent of **AI-powered tools** and **governed 3D digital twins** offers transformative potential, but only if enterprises can integrate these technologies into their operations before their knowledge reservoirs are depleted. This creates a dual challenge: capturing existing expertise while simultaneously preparing the workforce to operate in a technologically advanced environment.

Adding to the complexity is the need for **safety-critical compliance**. In industries governed by strict safety frameworks, such as **OSHA 29 CFR 1910.147**, the stakes are incredibly high. A single procedural error can result in catastrophic consequences, including equipment damage, environmental harm, and loss of life. Any solution to the knowledge-retention problem must not only scale but also ensure the highest levels of accuracy, trust, and safety.

EON AI Ventures recognizes these challenges and has developed **Scenario Factory** as a direct response to them. By leveraging the **Encode station** of the **Intelligence Flywheel**, Scenario Factory transforms the traditional authoring process into an automated, factory-scale operation. It ingests a wide array of source materials—SOPs, CAD models, photogrammetry, and legacy SCORM libraries—and processes them through **hundreds of parallel agents**. These agents run the full **eleven-step Genesis pipeline** to produce **governed 3D digital twins**, which are validated through **self-verification** and **adversarial review**. The result is a procedure library that can be authored in days, not years, ensuring that no critical knowledge is lost.

By addressing the knowledge-retention challenge with speed, precision, and safety, Scenario Factory empowers enterprises to navigate the AI era with confidence. It bridges the gap between the retiring workforce and the next generation, ensuring that operational expertise is preserved, governed, and continuously improved. For industrial organizations facing the dual pressures of workforce attrition and technological transformation, Scenario Factory is not just a solution—it is a necessity.

THE SOLUTION

The impending retirement of senior operators across industrial enterprises presents a significant challenge: how to preserve their institutional knowledge before it is lost forever. Traditional knowledge capture methods, reliant on manual drafting and human-paced review, are insufficient to keep up with this accelerating "knowledge cliff." **Scenario Factory**, powered by the **Encode station** of EON's **Intelligence Flywheel**, offers a transformative solution. By automating the authoring of governed procedure libraries, **Scenario Factory** ensures that entire facilities can encode their process knowledge overnight, turning a daunting years-long task into a scalable, accelerated operation.

From Manual Drafting to Mass Encoding

Authoring thousands of procedures, such as lockout/tagout processes, emergency responses, and startup routines, has traditionally been a sequential, human-paced endeavor. A pilot program might yield six scenarios in 90 days, making it impossible to encode a facility with 9,000 procedures before senior operators retire. **Scenario Factory** eliminates this bottleneck by leveraging hundreds of **parallel agents** that operate simultaneously, each executing the **eleven-step Genesis pipeline** to draft a governed **3D digital twin**.

This process begins with the ingestion of a diverse range of source materials, such as standard operating procedures (SOPs), manuals, CAD files, photogrammetry data, expert capture records, and even legacy SCORM libraries. These materials are distributed across the system's parallel agents, each equipped with **resumable state** functionality to ensure continuity in case of interruptions. The agents independently draft procedures, ensuring no step in the encoding process is overlooked.

Built-In Validation for Safety and Precision

Safety-critical industrial operations demand absolute reliability. A confidently wrong AI output is unacceptable, particularly when human lives and enterprise operations are at stake. To address this, **Scenario Factory** incorporates **self-verification** and **adversarial review** as foundational safeguards.

Each agent first **self-verifies** its output against the source SOP and EON's **interaction library**, ensuring alignment with the original knowledge. The procedure is then subjected to adversarial scrutiny by **EON Verdict** agents, which attempt to identify errors such as unsafe sequences, missing hazards, or incorrect tolerances. Only procedures that survive this rigorous validation process are submitted for potential publication. In cases of genuine ambiguity, the system escalates the flagged drafts to a **senior review queue** for expert intervention, ensuring no critical decisions are left unchecked.

Scalable, Accelerated, and Audit-Ready

The outcome is transformative: a facility's entire procedural library can be encoded over a single weekend, with only a few hundred cases requiring human review. The finalized procedures are published as **governed twins**, **scoring rubrics**, and **SCORM/cmi5 and xAPI packages**, ready for deployment and training. Furthermore, the system is **audit-ready by default**, with every action logged and mapped to safety standards such as **OSHA 29 CFR 1910.147 hazardous-energy frame**. This guarantees compliance and facilitates seamless integration into existing enterprise safety frameworks.

A Living, Compounding Asset

Unlike static libraries that quickly become obsolete, the encoded procedural knowledge becomes a **living, compounding asset**. By integrating with other stations of the **Intelligence Flywheel**—such as **Field IQ** for real-time procedural delivery, **Assess IQ** for performance verification, and **Compound IQ** for iterative refinement—**Scenario Factory** ensures the enterprise’s knowledge base evolves with every shift. This self-reinforcing loop, orchestrated by **Conductor**, continuously improves the accuracy and applicability of procedures, ensuring the workforce remains capable and ready to meet the demands of the **AI era**.

In summary, **Scenario Factory** revolutionizes knowledge capture for industrial enterprises by automating the creation of governed procedure libraries. Its ability to encode thousands of procedures overnight, coupled with built-in safety guarantees and scalability, makes it an indispensable solution for bridging the gap between retiring expertise and workforce readiness.

KEY FEATURES/CAPABILITIES

Scenario Factory is not merely a product; it is an advanced capability embedded within EON’s **Human 2.0 OS**. By leveraging cutting-edge features and technologies, it transforms knowledge capture from a manual, time-consuming process into an automated, scalable, and precision-driven operation. Below are the key features and capabilities that make **Scenario Factory** indispensable for industrial enterprises.

1. Ingestion of Diverse Source Materials

At the heart of **Scenario Factory** is its ability to ingest a wide variety of source materials, ensuring no knowledge source is left untapped. This includes:

- **Standard Operating Procedures (SOPs)**: The foundational documents outlining critical processes.
- **Manuals**: Detailed guides and instructions for equipment and operations.
- **CAD files and photogrammetry data**: Visual and spatial representations of equipment and environments.
- **Expert capture records**: Insights and judgment from senior operators.
- **Legacy SCORM libraries**: Previously formatted knowledge assets that would otherwise remain frozen and obsolete.

This comprehensive ingestion capability allows **Scenario Factory** to encode even fragmented or outdated knowledge into a unified, governed library.

2. Parallel Agent Execution via Genesis Pipeline

Unlike traditional systems that author procedures sequentially, **Scenario Factory** deploys **hundreds of parallel agents**. Each agent runs the **eleven-step Genesis pipeline**, which includes drafting, verifying, and publishing a **governed 3D digital twin**. Key features of these agents include:

- **Resumable state:** Ensures continuity in case of interruptions, minimizing downtime and maximizing throughput.
- **Self-verification:** Agents independently validate their outputs against the source materials and EON's **interaction library**, ensuring alignment and accuracy.

This parallel execution significantly accelerates the encoding process, enabling entire facilities to be digitized overnight.

3. Multi-Layered Verification

Safety and precision are paramount, particularly in high-stakes industrial environments. **Scenario Factory** incorporates a robust validation framework:

- **Adversarial verification via EON Verdict:** Specialized agents rigorously test each procedure, attempting to identify errors such as incorrect tolerances, missing hazards, or unsafe sequences. Only procedures that survive this adversarial review are considered for publication.
- **Senior review queue:** Genuine ambiguities or edge cases are escalated to human experts, ensuring critical decisions are made by qualified personnel.

This multi-layered verification system guarantees that only thoroughly vetted procedures are published, safeguarding enterprise operations.

4. Comprehensive Outputs for Deployment

The system outputs finalized procedures in various formats, ensuring seamless deployment and integration:

- **Governed 3D digital twins:** Interactive, visual representations of procedures.
- **Scoring rubrics:** Metrics for assessing procedural performance.
- **SCORM/cmi5 and xAPI packages:** Standards-compliant formats for training and integration.

These outputs not only support immediate workforce training but also ensure compatibility with existing enterprise systems.

5. Audit-Ready Architecture

Scenario Factory is built with compliance and accountability in mind. Every action and decision is logged within the system, creating a **Trust Ledger** that maps procedures to industry standards such as **OSHA 29 CFR 1910.147 hazardous-energy frame**. This **audit-ready architecture** simplifies regulatory compliance and enhances operational transparency.

6. Integration with the Intelligence Flywheel

Scenario Factory earns its position within the **Intelligence Flywheel**—EON's self-reinforcing loop that transforms enterprise operations into intelligence. By integrating with stations like **Field IQ**, **Assess IQ**, and **Compound IQ**, the system ensures procedural knowledge evolves dynamically. Key benefits include:

- Real-time delivery via **Field IQ** and **Brainy** smart glasses.
- Competency verification through **Assess IQ**.
- Continuous refinement via **Compound IQ**, turning discrepancies into sharper procedures.

7. Scalable and Accelerated Operation

A single **Scenario Factory** run can encode thousands of procedures over a weekend, empowering enterprises to overcome the "knowledge cliff" and preserve institutional expertise before senior operators retire. This scalability is unmatched in traditional knowledge capture methods.

Conclusion

With features like ingestion of diverse source materials, parallel execution of the **Genesis pipeline**, multi-layered verification, comprehensive outputs, and integration within the **Intelligence Flywheel**, **Scenario Factory** delivers a robust, scalable, and precision-driven solution. Its ability to encode entire procedural libraries overnight makes it a cornerstone of EON's **Human 2.0 OS**, bridging the gap between retiring expertise and workforce readiness in the AI era.

HOW IT WORKS

Scenario Factory revolutionizes procedure authoring for industrial enterprises by automating the encoding of entire process libraries overnight, leveraging advanced AI-driven technologies. Designed as a key station within the **Encode** layer of the **Intelligence Flywheel**, Scenario Factory processes industrial procedures at an unprecedented scale and speed, ensuring accuracy and governance while minimizing human intervention.

Ingesting Source Materials for Rapid Encoding

The foundation of Scenario Factory's capabilities lies in its ability to ingest a wide variety of source materials. These include **Standard Operating Procedures (SOPs)**, CAD files, equipment models, photogrammetry data, and even frozen legacy **SCORM libraries**. This diversity ensures that Scenario Factory can accommodate the full spectrum of procedural documentation used by industrial facilities. By consolidating these materials, the platform creates a robust backlog that serves as the input for the encoding process.

Parallel Processing with Autonomous Sub-Agents

Scenario Factory deploys hundreds of **sub-agents** operating in parallel, each equipped with **resumable state** functionality. These sub-agents execute the **Genesis pipeline**, an eleven-step process designed to convert raw input materials into **governed 3D digital twins**. Each agent independently drafts a procedure, ensuring scalability and speed unmatched by traditional, human-paced methods. This parallel processing approach allows enterprises to encode thousands of procedures simultaneously rather than sequentially, enabling the rapid conversion of entire facility libraries.

Self-Verification and Adversarial Review

To ensure the accuracy and reliability of the encoded procedures, each sub-agent performs **self-verification**, comparing its draft output against the original source materials and EON's **interaction library**. This built-in mechanism ensures that the generated procedures align with the intended operational standards. The process doesn't stop there; procedures undergo a rigorous **adversarial review** conducted by **EON Verdict's adversarial agents**. These agents actively attempt to identify flaws in the drafted procedures, testing for issues such as incorrect tolerances, missing hazards, or unsafe sequences. Only procedures that withstand this scrutiny are approved for publication.

Senior Review Queue for Ambiguities

While the vast majority of procedures are automatically verified and approved, **Scenario Factory** accounts for edge cases and ambiguities. Procedures flagged as genuinely

ambiguous are routed to a **senior review queue**, where a team of human experts provides final judgment. By narrowing the scope of human intervention to these edge cases, Scenario Factory optimizes efficiency while maintaining a high standard of accuracy and safety.

Automatic Publication to Enterprise Libraries

Once the procedures pass all verification stages, they are published directly to the enterprise library as **governed twins**, scoring rubrics, and packaged formats such as **SCORM/cmi5** and **xAPI**. These outputs are ready for immediate deployment across the organization, enabling seamless integration into existing operational frameworks.

Safety and Audit-Ready Architecture

Safety and trust are paramount in industrial operations, particularly for **safety-critical steps**. To address this, Scenario Factory operates within EON's **Human 2.0 OS**, which guarantees three critical safeguards:

1. **Self-Verification:** Every procedure undergoes internal checks before publication.
2. **Human Escalation:** Systems pause and escalate to human intervention when unsure.
3. **Audit-Ready Architecture:** Every decision and action is logged within the **Trust Ledger**, ensuring compliance with frameworks like **OSHA 29 CFR 1910.147** and other industry standards.

From Expert Knowledge to Operational Intelligence

By leveraging its automated, AI-driven pipeline, **Scenario Factory** transforms expert knowledge into operational intelligence, preserving institutional expertise and enabling enterprises to stay ahead of the **knowledge cliff** created by retiring senior operators. This rapid, governed approach to procedure authoring positions Scenario Factory as a cornerstone of EON's **Human 2.0 OS**, ensuring industrial enterprises can encode their knowledge assets with unprecedented speed and reliability.

BENEFITS/OUTCOMES

Scenario Factory delivers transformative benefits to industrial enterprises by addressing critical challenges in procedure authoring, workforce readiness, and operational safety. Its ability to encode entire libraries of **governed procedures** in days rather than years redefines efficiency and ensures the preservation of institutional expertise before it's lost to retirement.

Accelerated Knowledge Capture Before the Knowledge Cliff

Institutional knowledge in industrial facilities is at risk due to the impending retirement of senior operators, with 50% expected to retire within 5-7 years. Traditional methods of procedure authoring—drafting one scenario at a time—are too slow to keep pace. A pilot yielding six scenarios in ninety days cannot encode a plant with nine thousand procedures before the knowledge cliff arrives. **Scenario Factory** eliminates this bottleneck by automating the encoding process, enabling an entire facility's procedures to be drafted overnight, ensuring that expertise is captured while it's still available.

Reduced Burden on Human Reviewers

By deploying hundreds of sub-agents equipped with **self-verification** and **adversarial review** mechanisms, **Scenario Factory** minimizes the need for human intervention. Only genuinely ambiguous cases are routed to the **senior review queue**, significantly reducing the workload for human reviewers. This streamlined process allows enterprises to focus their resources on high-value tasks rather than manual procedure validation.

Accuracy and Governance at Scale

The self-verifying and adversarially gated architecture ensures that every published procedure meets high standards of accuracy and governance. Procedures are tested rigorously for flaws, with adversarial agents identifying potential errors such as unsafe sequences or missing hazards. This ensures that the encoded procedures are not only accurate but also adhere to safety-critical standards like **OSHA 29 CFR 1910.147**. The result is a library of **governed 3D digital twins** that enterprises can trust implicitly.

Living, Compounding Asset for Operational Improvement

Unlike static procedure libraries that require periodic updates, the outputs from **Scenario Factory** form a **living, compounding asset**. Procedures captured and encoded become part of a **self-reinforcing loop** within the **Intelligence Flywheel**, continuously refined through tools like **Field IQ**, **Assess IQ**, and **Compound IQ**. This ensures that operational intelligence evolves alongside enterprise needs, improving safety, efficiency, and competency over time.

Time-to-Competency and Workforce Readiness

By providing ready-to-deploy procedures in formats like **SCORM/cmi5** and **xAPI**, **Scenario Factory** accelerates the **time-to-competency** for the workforce. Procedures are delivered through tools like **Field IQ** and **Brainy**, enabling workers to perform tasks effectively and safely with minimal training. This reduces onboarding time and enhances workforce readiness, ensuring enterprises can adapt to the demands of the **AI era**.

Safety and Trust, Built In

Safety-critical operations demand absolute trust in procedural accuracy. **Scenario Factory** addresses this need with its **audit-ready architecture**, ensuring every procedure and refinement is logged and reversible. The incorporation of EON's **Trust Ledger** guarantees compliance with safety standards and provides enterprises with provable trust in their operational frameworks. By default, the system ensures that the AI never has the final say on a step that could harm someone, prioritizing human judgment when necessary.

Industry-Leading Speed and Scalability

With **Scenario Factory**, enterprises can encode thousands of procedures in a single weekend run—a feat impossible with traditional, manual methods. This scale of operation ensures that even the largest industrial facilities can transition their procedural libraries into governed, digital formats in record time. The platform's scalability makes it a critical tool for enterprises facing the dual challenges of workforce turnover and increasing operational complexity.

A Transformational Leap in Enterprise Capability

By bridging the gap between **expert judgment capture** and actionable workforce intelligence, **Scenario Factory** transforms how industrial enterprises approach procedure authoring and operational readiness. It ensures that knowledge assets evolve into living systems of operational intelligence, driving measurable outcomes such as improved safety, enhanced workforce capability, and accelerated enterprise transformation.

Conclusion

EON AI Ventures' **Scenario Factory** represents a groundbreaking advancement in the preservation and governance of industrial knowledge. Designed to overcome the limitations of traditional sequential authoring processes, **Scenario Factory** transforms the creation of a plant's process library into a scalable, automated operation. This capability is not merely an upgrade; it is a paradigm shift that addresses the critical challenge of rapidly capturing and encoding workforce expertise before the impending **knowledge cliff**—the projected retirement of 50% of senior operators within 5-7 years—renders it inaccessible.

At the core of this innovation is the **Intelligence Flywheel**, EON AI Ventures' self-reinforcing operational loop that converts expert judgment into actionable intelligence, ensuring the workforce is equipped with the tools to operate safely, efficiently, and in compliance with high-stakes industrial standards. The **Scenario Factory** is an essential component of this ecosystem, specifically enhancing the **Encode station** to scale the creation of procedures from a human-paced process to a factory model. By leveraging hundreds of

parallel agents, each with **resumable state**, the system can author thousands of procedures simultaneously, achieving in a weekend what would previously take years.

Addressing the Knowledge Cliff with Speed and Precision

The industrial sector is at a crossroads where the urgency to capture institutional knowledge is greater than ever. A single facility may manage upwards of 9,000 procedures, ranging from lockout/tagout protocols to emergency response plans. Traditional methods, such as authoring six scenarios over a 90-day pilot, are insufficient to meet this scale. **Scenario Factory** changes this dynamic entirely by enabling enterprises to encode their entire process libraries—complete with **governed 3D digital twins**—before their most experienced personnel retire. This is not just about speed; it is about ensuring that the knowledge captured is accurate, actionable, and aligned with safety-critical standards such as the OSHA 29 CFR 1910.147 hazardous-energy frame.

The **Scenario Factory** achieves this through a sophisticated pipeline that ingests source materials—including SOPs, CAD models, photogrammetry, and even legacy SCORM libraries—and runs them through the **eleven-step Genesis pipeline**. Each **sub-agent** autonomously drafts a procedure, **self-verifies** its output against the source material and EON's **interaction library**, and submits it to **adversarial agents** from **Verdict** for rigorous testing. The system identifies ambiguities and escalates only the most complex cases to a **senior review queue**, ensuring that the majority of procedures are published automatically and with confidence. This reduces the burden on human reviewers while maintaining a level of precision that is critical in safety-critical environments.

Building Trust and Governance by Design

In high-stakes industrial operations, trust is non-negotiable. Recognizing this, EON AI Ventures has embedded three core guarantees into every station of the **Intelligence Flywheel**, including **Scenario Factory**:

1. **Self-verification**: Each procedure undergoes internal checks and **adversarial review** before publication, ensuring that errors are identified and resolved proactively.
2. **Human escalation**: For safety-critical steps, the system halts and escalates decisions to human experts when it encounters uncertainty, adhering to the principle that the AI never has the final say on a step that could pose a safety risk.
3. **Audit-ready architecture**: Every decision, action, and refinement is logged in the **Trust Ledger**, providing a transparent, reversible record that aligns with industry safety frameworks such as ATEX, API, and OSHA. This ensures that every procedure is **audit-ready by default**.

These safeguards enable enterprises to deploy AI-driven solutions with confidence, knowing that safety, compliance, and institutional knowledge are preserved and governed by design.

A Key Component of the Human 2.0 OS

Scenario Factory is not a standalone product but an integral part of EON's **Human 2.0 OS**—a comprehensive platform that transforms enterprise operations into an intelligent, self-improving system. The **Intelligence Flywheel** connects **Scenario Factory** to other stations, creating a feedback loop where every action contributes to continuous improvement:

- **Genesis 3** captures expert demonstrations and converts them into **governed 3D step-by-step procedures**.
- **Field IQ** and **Brainy** deliver these procedures to workers in real-time, enhancing performance and decision-making in the field.
- **Assess IQ** verifies workforce competency using **multi-camera capture**, documenting discrepancies between planned and actual performance.
- **Compound IQ** uses these discrepancies to refine procedures, ensuring that the system learns and improves with every shift.
- **Conductor** orchestrates the entire loop, routing tasks to the appropriate station and model tier.
- **Verdict** ensures that every procedure meets rigorous standards through **adversarial verification**.
- The **Integrity Suite**, including the **Trust Ledger**, provides transparent governance and compliance tracking.

This self-reinforcing loop ensures that the expertise captured by **Scenario Factory** does not remain static but evolves and compounds over time, transforming a plant's procedures from a static knowledge base into a dynamic, continuously improving asset.

Early Access and the Road Ahead

As of today, **Scenario Factory** is available for limited pilot deployments as part of EON's **90-day Human 2.0 Engagement (H2O)**. This initial rollout will focus on encoding lockout/tagout and isolation procedures, with broader deployments—including whole-site SOP sweeps and **legacy-SCORM migration**—to follow. The pilot is limited to ten anchor industrial enterprises, ensuring that the system is deployed in environments where its transformative potential can be fully realized.

EON AI Ventures' **Scenario Factory** is more than a tool for knowledge preservation; it is a catalyst for industrial transformation. By automating the creation of governed procedures at unprecedented scale and speed, it ensures that critical expertise remains a living, actionable resource. Together with the **Human 2.0 OS**, **Scenario Factory** bridges the gap between retiring experts and the next-generation workforce, creating a future where operational excellence is not just preserved but continuously enhanced.

