

EON AI VENTURES

# Brainy Multi-Avatar Soft Skills Engine

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AI-Powered Multi-Stakeholder Crisis Leadership Training  
With Contextual Worlds, Whisper Coach & Branching Consequences

 EON AI Ventures

# Why Soft Skills Training Is Broken

Organizations lose millions because leadership, communication, and crisis management can't be taught with slides and role-play scripts.



## Role-Play Doesn't Scale

Hiring actors or trainers for every scenario is expensive, inconsistent, and impossible to standardize across global operations.



## Assessment Is Subjective

Observers disagree, rubrics are vague, and there's no data trail. Leaders pass or fail based on opinion, not evidence.



## No Contextual Grounding

Soft skills training happens in meeting rooms, divorced from the physical reality of the situations being discussed.



## One Scenario, One Chance

Live exercises are one-shot events. Learners can't retry, explore alternatives, or see how different choices lead to different outcomes.

# One Engine. Three Innovations.

The Multi-Avatar Engine combines contextual worlds, AI-driven stakeholders, and objective assessment in a single platform.



## CONTEXTUAL WORLD

The learner sees the crisis environment — the incident site, equipment, responders — grounding every conversation in physical reality.



## MULTI-AVATAR DIALOGUE

AI stakeholders with competing priorities, emotional states, and world awareness. Real-time whisper coaching guides without scripting.

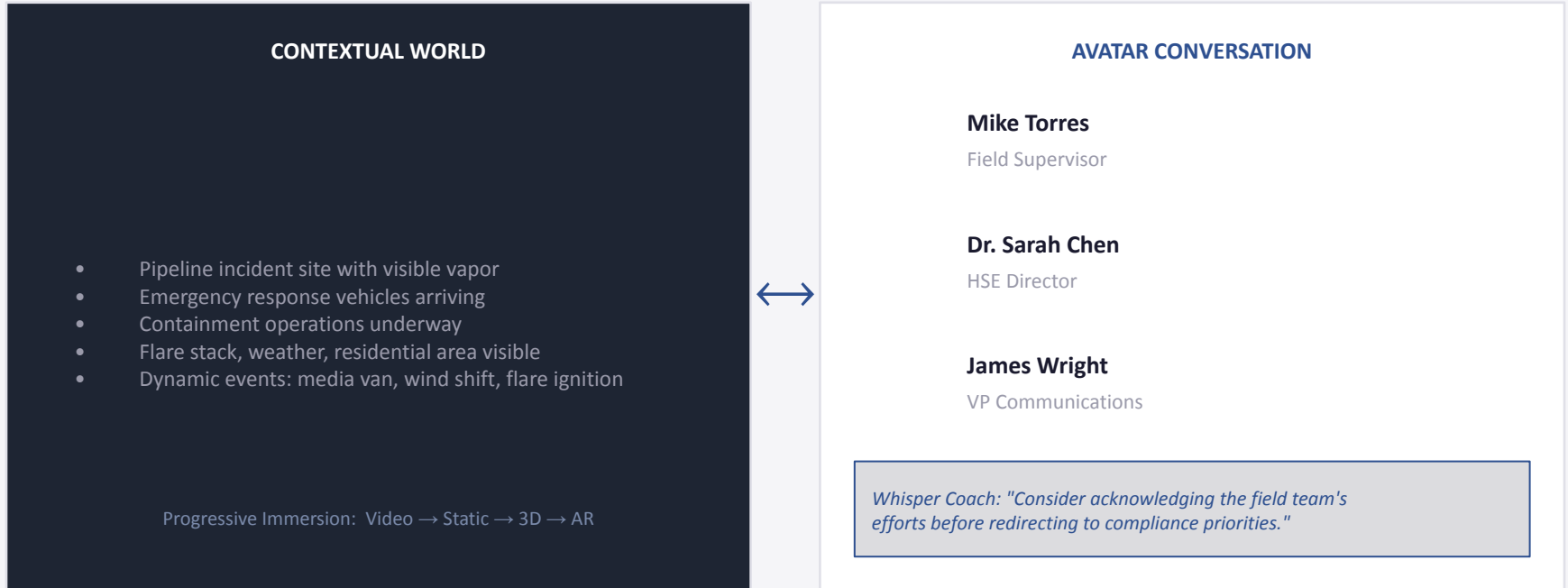


## OBJECTIVE ASSESSMENT

Radar graph scoring, quote-based feedback, and a branching consequence tree show exactly how decisions led to outcomes.

# The Split-Panel Architecture

Left panel shows the crisis world. Right panel hosts the multi-stakeholder conversation. Both communicate in real-time.



# The Scenario Flow

Every session follows a structured progression. From scene-setting to debrief in under 15 minutes.



# How The AI Agents Work



## Independent AI Agents

Each avatar is powered by its own AI instance with unique personality, goals, knowledge scope, and emotional state model.



## Scenario Orchestrator

Central controller managing turn order, event injection, escalation triggers, and world-avatar synchronization across all agents.



## Relevance-Based Turn System

All agents process user input simultaneously and return relevance scores. The highest-scoring agent responds first — world events shift relevance dynamically.



## World-Aware Whisper Coach

A parallel AI coach monitors conversation in real-time, generating contextual suggestions that reference both avatar behavior and visible environment.



## Assessment Aggregator

Collects interaction data from all agents and the world panel, synthesizing unified scoring across six competency dimensions.

# The Contextual World Engine

The left panel follows the Sentient Worlds Progressive Immersion Ladder — increasing realism at each level.

1

## Video Context

Pre-rendered Genie 3 walkthrough of the crisis environment. 60-second scene-setting with ambient audio.

2

## Static + Annotations

Annotated view with labeled key locations. Dynamic highlights respond to avatar conversation references.

3

## 3D Exploration

Genesis 2.0 interactive 3D scene. Learner can look around. Real-time avatar-world synchronization.

4

## AR Integration

Augmented reality mode. Avatars appear as volumetric presences within the physical world. Full spatial immersion.

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Available for March 6 Demo

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Post-Demo Phases

# Tri-Modal Assessment Output

Upon completion, the system delivers three integrated assessment components — objective, evidence-based, and actionable.



## Radar Graph Visualization

Spider chart scoring across all competency dimensions (0–100). Color-coded: red (needs improvement), yellow (developing), green (proficient). Benchmark overlay for role level.



## Quote-Based Feedback

Extracts specific quotes from the conversation. Three-column format: What You Said, Why It Matters, What Would Be Stronger. References visible world context.



## Branching Consequence Tree

Visual decision tree mapping the learner's path against alternatives. Click any node to see what would have happened. Color-coded outcome indicators.

# Six Competency Dimensions

Every interaction is scored across six leadership dimensions. The system captures what rubrics and observers miss.



## Communication Clarity

Directness, appropriate detail level, audience adaptation



## Decision Authority

Decisive action, clear delegation, accountability ownership



## Stakeholder Management

Balancing competing priorities, de-escalation, consensus



## Emotional Intelligence

Empathy, composure under pressure, reading emotional cues



## Situational Awareness

Referencing visible context, responding to world events



## Crisis Prioritization

Triaging urgency, resource allocation, sequencing decisions

GENESIS POC

# Pipeline Incident Crisis Management

Executive-level multi-stakeholder crisis leadership training  
grounded in a pipeline incident environment

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# The Stakeholders

Three AI avatars with competing priorities. Each has independent goals, emotional states, and world awareness.

**MT**

**Mike Torres**

Field Supervisor

**Personality**

Defensive, hands-on, protective of his team

**Goal**

Protect the field team. Minimize blame. Fix the problem.

**Trigger**

Becomes more defensive when compliance is mentioned before containment

**DSC**

**Dr. Sarah Chen**

HSE Director

**Personality**

Methodical, compliance-focused, fact-driven

**Goal**

Ensure OSHA notification, containment documentation, environmental protection.

**Trigger**

Insists on documentation before public statements or media engagement

**JW**

**James Wright**

VP Communications

**Personality**

Polished, urgent, reputation-conscious

**Goal**

Control the narrative. Prepare public statement. Manage media.

**Trigger**

Escalates urgency when media presence is detected in the contextual world

# Branching Decision Categories

The consequence tree captures five types of decision points, each affecting scenario trajectory and assessment scoring.

1

## Critical Decisions

Major inflection points that significantly alter scenario outcome — evacuation scope, OSHA notification timing, media authorization.

2

## Tone Choices

Moments where the learner's emotional approach meaningfully affected stakeholder responses and trust levels.

3

## Delegation Points

Instances where the learner assigned or failed to assign tasks. Effective delegation is scored as a leadership competency.

4

## Information Gates

Points where the learner chose to share or withhold information from specific stakeholders, affecting transparency scores.

5

## Environmental Response

Moments where the learner acknowledged or ignored visible world events, directly impacting stakeholder trust and situational awareness.

# Multi-Platform Delivery

Author once. Deploy everywhere. Full feature parity across desktop, tablet, mobile, and VR.



## DESKTOP / TABLET

Split-panel layout: contextual world on left (55%), avatar conversation on right (45%). Whisper coach at bottom of right panel. Mode toggle for Training vs. Assessment.



## MOBILE

Vertical stack: contextual world on top (40%), avatar conversation below (60%). Swipe gestures to expand either panel. Thin whisper coach overlay above input.

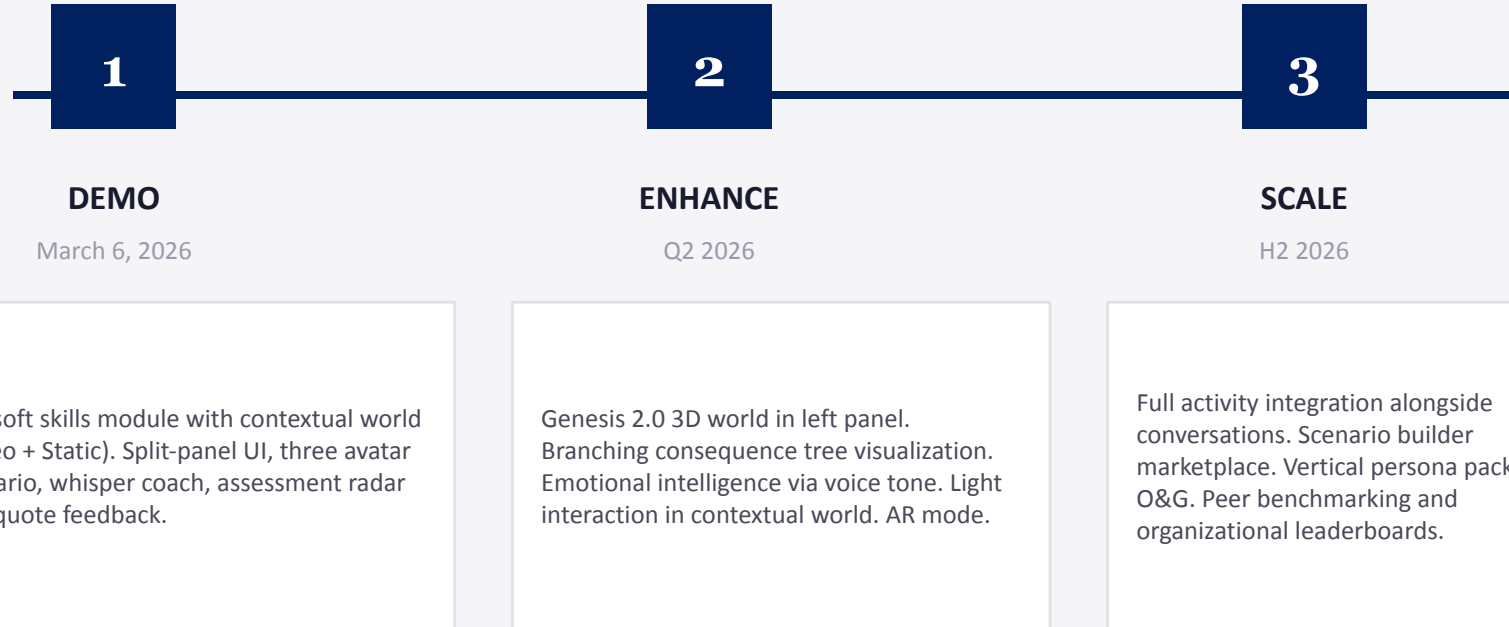


## VR (QUEST 3)

Contextual world becomes the immersive environment. Avatars appear as volumetric presences within the 3D scene. Whisper coach as HUD element. Phase 2 delivery.

# Development Roadmap

Three phases from demo delivery to full production platform.



# Industry Applications

The Multi-Avatar Engine adapts to any industry requiring leadership, communication, and crisis management training.

## Oil & Gas

Crisis command, incident response, regulatory negotiation, media management

## Manufacturing

Production leadership, safety culture, quality escalation, supplier negotiation

## Healthcare

Patient communication, ethics boards, incident disclosure, team coordination

## Aviation

CRM, incident response, passenger communication, regulatory compliance

## Energy

Outage management, public safety, community engagement, grid operations

## Data Centers

Incident escalation, vendor coordination, client communication, change management

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multi-stakeholder dialogue, and objective assessment.

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