

Bio-Quantum AI Trading Platform - Updated Roadmap Timeline

1 Overview

As of July 25, 2025, the Bio-Quantum AI Trading Platform has completed Phase 1 (SPI-compliant KM Nugget system) and is advancing through Phase 2 (endpoint integration, caching) and Phase 3 (UI onboarding video). This roadmap outlines tasks and deliverables for the August 8, 2025 investor demo.

2 Timeline Summary

Date	Deliverable	Owner
July 26, 8:00 AM EDT	spi_mapping_report.md (standby), YouTube video draft, Interactive Demo Plan, Phase 2 Deployment Checklist, Video Demo Script	Claude, Manus
July 26, 12:00 PM EDT	Updated apiBridge.js, StrategyMemoryMap.jsx, Redis cache, /nugget/:id/timeline	Grok
July 27-28, 2025	HLDD DNA Layer addendum, DNA strand diagram	ChatGPT
August 1-4, 2025	Final onboarding video: KM + DNA Memory Walkthrough	ChatGPT, Manus
August 8, 2025	Investor Demo: Bio-Quantum Platform	All

3 Phase Progression

3.1 Phase 1: SPI Mapping, Endpoints, Field Spec (Complete)

- Delivered: spi_mapping_report.md, nugget_endpoints_patch.js, recall_trace_fields.md (Claude).
- Status: Integrated into apiBridge.js, production-ready.

3.2 Phase 2: Endpoint Integration, Memory Map Filtering

- **Grok:** Finalize /nugget/query filtering in StrategyMemoryMap.jsx, implement Redis cache, stub /nugget/:id/timeline.
- **Claude:** Design Memory Confidence Scoring, Semantic Anomaly Detection, Cross-Session Pattern Validation, Automated Compliance Scoring.

3.3 Phase 3: Final UI, Video Onboarding, Agent Trace Replay

- **Manus:** Finalize YouTube video with voiceovers, DNA UI, and traceability demo.
- **ChatGPT:** Deliver HLDD addendum, DNA strand diagram.

3.4 Phase 4: KM Nugget Auditing, Recall Emulator Mode

- **ChatGPT:** Optional auditing and emulator mode (pending greenlight).

4 Task Breakdown

4.1 Richard (Stakeholder)

- Test `apiBridge.js` endpoints (`/nugget/create`, `/nugget/query`, `/nugget/outcome`).
- Confirm YouTube video assets (DIMIA images, UI slides).
- Resolve clarifications (HLDD, Alpaca, OpenAI, Redis, patent scope).

4.2 Claude (Prompt Chain, SPI Mapping)

- Design Memory Confidence Scoring algorithm.
- Build Semantic Anomaly Detection logic.
- Prototype Cross-Session Pattern Validation.
- Define Automated Compliance Scoring.
- Deliver Interactive Demo Plan, Phase 2 Deployment Checklist, Video Demo Script (July 26, 8:00 AM EDT).

4.3 Grok (Backend, UI Dev)

- Finalize `apiBridge.js` with `/nugget/query` filtering and Redis cache.
- Enhance `StrategyMemoryMap.jsx` for dynamic filtering.
- Stub `/nugget/:id/timeline` for memory replay.
- Push to `bio-quantum-deployment` repo (July 26, 12:00 PM EDT).

4.4 Manus (Visual, Audio Assets)

- Finalize YouTube video with voiceovers, DNA UI, and `StrategyMemoryMap` traceability.
- Deliver draft and screen clips by July 26, 8:00 AM EDT.

4.5 ChatGPT (UI, HLDD, Knowledge Graph)

- Deliver HLDD DNA Layer addendum and DNA strand diagram (July 27–28).
- Support Manus with onboarding video content.