🛑 DISCLAIMER: SYNTHETIC TEST DATA 🛑

> *This document, including all names, addresses, phone numbers, SSNs, financial records, and medical information, is **100% fictional and machine-generated**. It does not represent any real persons, entities, or actual events. It is intended solely for testing and demonstration purposes.*

EXHIBIT 4A - SUBPOENA DOCKET #883-USA-44

CLASSIFIED: TOP SECRET // PROJECT AETHEON

REVIEW RESTRICTION: FOR COURT REVIEW IN CAMERA ONLY

CASE: US Department of Energy vs. Aethelgard Synthetics Corp. **SUBJECT:** Project "AETHEON" - Experimental Logs, Architectures, and Internal Communications **DATE OF COMPILATION:** October 12th, 2024

DOCUMENT 1: INITIAL PROPOSAL AND PERSONNEL ASSIGNMENT

FROM: Dr. Aris Thorne, Chief Director of Advanced Propulsion **TO:** Elias Vance, CEO Aethelgard Synthetics Corp. **DATE:** March 14, 2023

Elias,

Following our board meeting on the 12th, I have attached the initial personnel roster and the preliminary budget for Project AETHEON. As we discussed, the goal is to prototype the Zero-Point Energy (ZPE) extraction matrix within the next 18 months. The stakes are immense, as is the potential for catastrophic thermal runaway if the containment parameters are breached.

Please review the personnel assignments carefully. For the court mandate, we are disclosing the core scientific leads.

1.1 Team Roster (PII INCLUDED)

Name	Role	Social Security Number	Home Address	Personal Phone	Clearance Level
Dr. Aris Thorne	Team Lead	884-92-1044	1442 Elm Circle, Palo Alto, CA 94306	(415) 555-0199	Q-Level
Dr. Elena Rostova	Containment Specialist	332-11-9082	8910 Sunrise Blvd, Apt 4C, San Jose, CA 95112	(408) 555-8821	TS/SCI
Marcus Vance	Lead Engineer	451-88-2911	422 Vance Estate Rd, Woodside, CA 94062	(650) 555-9302	TS/SCI
Julia Chen	Data Architect	602-44-3199	12B Quantum Way, San Francisco, CA 94107	(415) 555-3411	Secret
Samuel Okaty	Bio-Metrics	910-22-4410	9934 RedWood St, Mountain View, CA 94043	(650) 555-1100	Q-Level

Important Note: The home addresses and personal phone numbers of the above employees must remain confidential from the public record. Any leak of Dr. Rostova's address could compromise the integrity of the containment protocols, as she holds the physical security access keys.

DOCUMENT 2: SYSTEM ARCHITECTURE & TECH SECRETS

This document outlines the core architecture of the AETHEON extraction matrix. The court must understand the exact mechanism of the failure that occurred on September 2nd, 2024.

2.1 Extraction Matrix Technical Specifications

The AETHEON device utilizes a sub-harmonic resonant frequency generator to destabilize the quantum vacuum.

- **Resonant Target Frequency:** 14.432 GHz
- **Containment Field Strength:** 450 Tesla
- **Coolant Flow Rate:** 1200 Liters/second (Liquid Helium)
- **Matrix Alloy Composition:** 45% Titanium, 35% Niobium, 15% Yttrium, 5% Unidentified Exogenous Material (Ref: Isotope X-992).

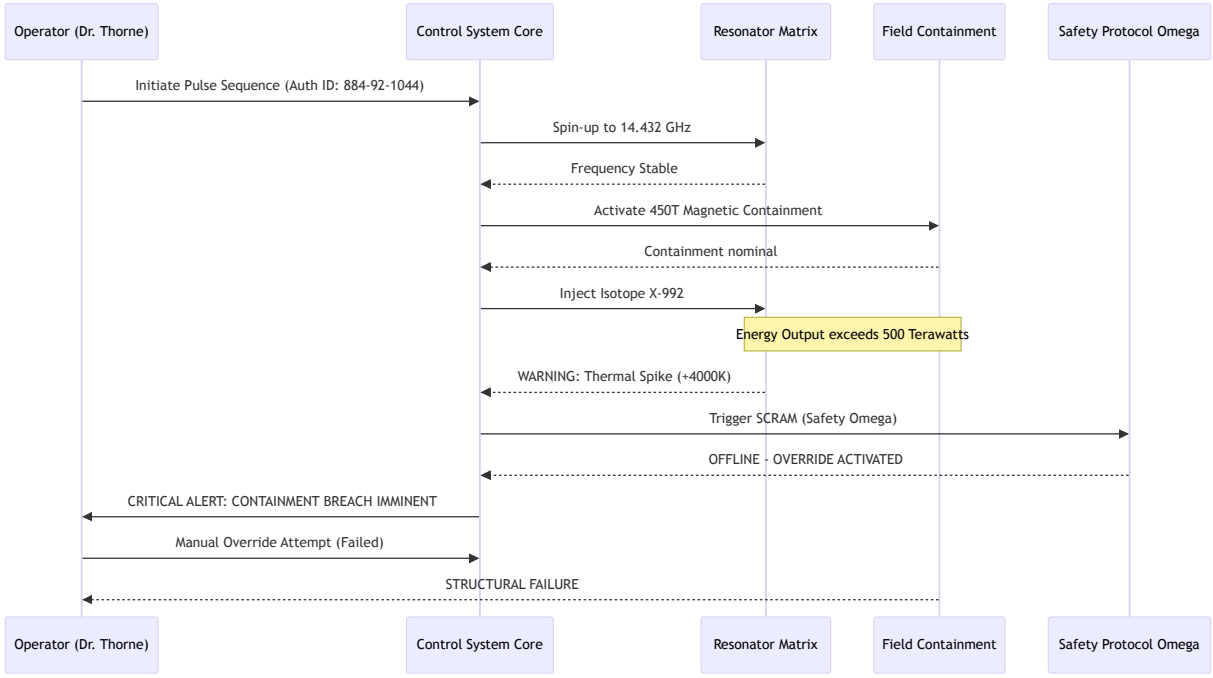
TRADE SECRET WARNING: The exact phase-modulation algorithm used to control the 14.432 GHz frequency is our core intellectual property.

```
Phase(t) = \int_{0}^{t} \frac{\sin(14.432 \times 10^9 \tau)}{\sqrt{1 - \beta^2}} d\tau + \Delta Q
```

The variable ΔQ is calibrated using Dr. Thorne's proprietary neural-feedback bridge.

2.2 System Flow Diagram (Mermaid)

The following sequence details the extraction process and the automated safety overrides which inexplicably failed during Incident 7A.

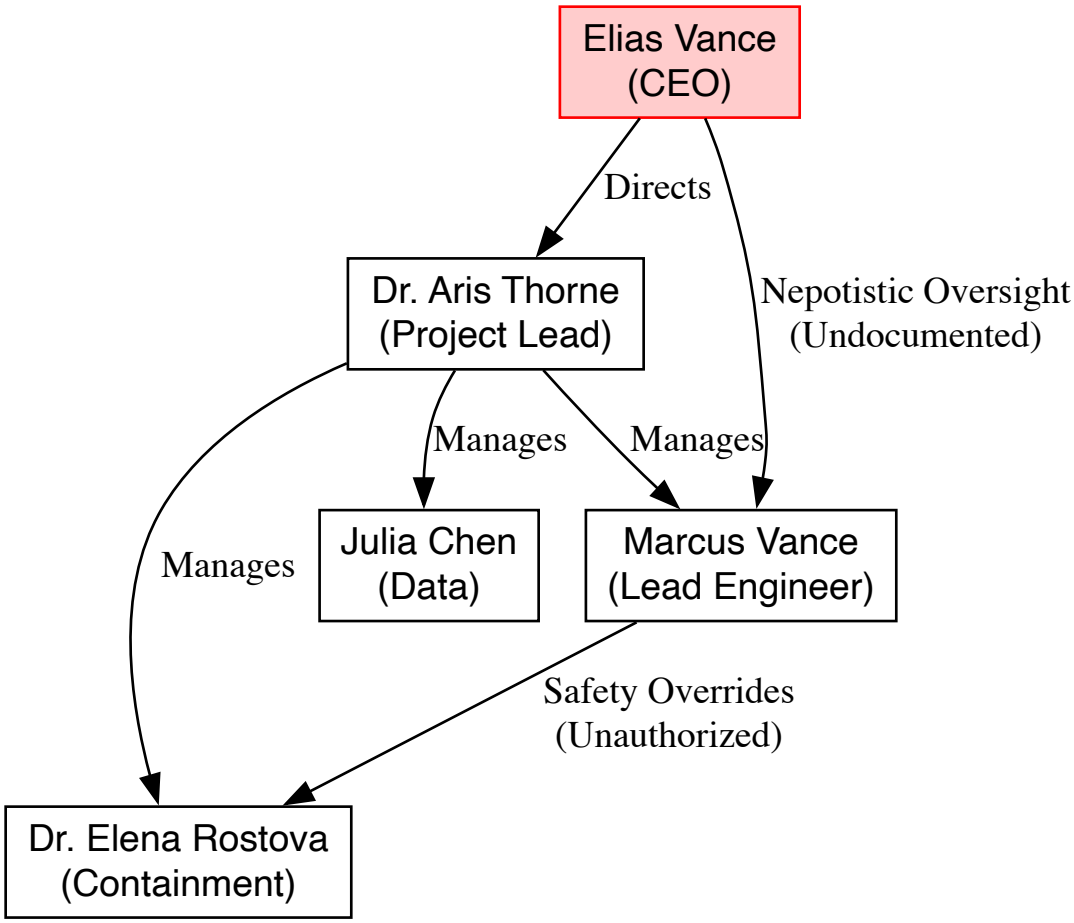


DOCUMENT 3: ORGANIZATIONAL AND DEPENDENCY STRUCTURE

To establish culpability, the court has requested the communication and authority hierarchy within the AETHEON project.

3.1 Authority Hierarchy (Dot Digraph)

The following graph demonstrates the chain of command, isolating Marcus Vance's role in overriding the safety systems.



DOCUMENT 4: INCIDENT EXPERIMENT LOGS

The incident on September 2nd, 2024, resulted in the localized vaporization of Sector 4 and severe injury to personnel. The logs leading up to the incident clearly show negligence.

4.1 Chronological Event Table

Timestamp (UTC)	Event Code	Sub-System	Description	Operator ID	Authorization
2024-09-02 08:14:02	STR-01	Main Power	System Startup Sequence	OP-11 (Thorne)	VALID
2024-09-02 08:30:45	RES-04	Resonator	Frequency aligned to 14.432 GHz	OP-11 (Thorne)	VALID
2024-09-02 08:45:10	CON-02	Containment	Field active at 450T	OP-22 (Rostova)	VALID
2024-09-02 09:12:33	INJ-01	Material	Isotope X-992 Injection	OP-11 (Thorne)	VALID
2024-09-02 09:44:01	WRN-99	Sensor	Thermal Spike Detected, 1200K	SYS-AUTO	N/A
2024-09-02 09:44:05	CMD-OVER	Safety	SAFETY OMEGA DISABLED	OP-99 (M. Vance)	UNAUTHORIZED
2024-09-02 09:45:12	ERR-00	Core	Containment Field Fluctuating (300T)	SYS-AUTO	N/A
2024-09-02 09:46:00	ALM-SYS	Core	CRITICAL EXPERIMENT FAILURE	SYS-AUTO	N/A

4.2 Raw Telemetry Data (Tech Secret)


```
{
  "device_id": "AETHEON-PROTO-1",
  "timestamp": "2024-09-02T09:44:01Z",
  "telemetry": {
    "frequency_modulation": 14.432910,
    "containment_integrity_percent": 84.2,
    "matrix_temperature_kelvin": 1200.4,
    "isotope_decay_rate": "0.0004 mol/s",
    "baryon_emission_levels": "CRITICAL"
  },
  "auth_override_token": "MVANCE-ADMIN-77382"
}
```

DOCUMENT 5: INTERNAL COMMUNICATIONS INTERCEPTS

These communication logs establish prior knowledge of the safety flaws by the executive team.
LOG ID: COMM-882-VA **INTERCEPT DATE:** August 28, 2024

Elias Vance (evance@aethelgard.com)

> Marcus, I am looking at the budget overruns for the liquid helium cooling matrix. We cannot afford the delays Dr. Rostova is proposing for recalibration. The investors are visiting next week. We need to push past the red-line.

Marcus Vance (mvance@aethelgard.com)

> Dad, Elena is throwing a fit. Her models say the Isotope X-992 destabilizes the field if we push past 400T without a two-hour buffer sequence.

Elias Vance (evance@aethelgard.com)

> You have admin token `MVANCE-ADMIN-77382`. Disable the Safety Omega protocol during the next run. Aris doesn't need to know until we have the zero-point baseline confirmed. Once the energy is flowing, the board will forgive everything.

Marcus Vance (mvance@aethelgard.com)

> I'll do it. If anything goes sideways, I'll blame it on a system glitch in Julia's data pipeline.

DOCUMENT 6: MEDICAL EVALUATION OF TEST SUBJECTS

Following the containment breach on September 2nd, 2024, three key personnel required immediate trauma extraction. We are including the initial triage reports for the court's damage assessment.
MEDICAL RECORD PRIVACY WARNING (HIPAA CONFIDENTIAL)

Patient 1: Dr. Elena Rostova

DOB: 04/15/1982 | **SSN:** 332-11-9082 **Admittance Date:** 09/02/2024 10:15 AM **Attending Physician:** Dr. Sylvan (Medical ID: MED-8812) **Condition Report:** Patient exhibited acute thermal radiation burns over 40% of her body surface area. Furthermore, blood tests reveal anomalous baryon particle saturation. **Treatments Administered:**

- 400mg Morphine Sulfate via IV (Batch: #9921-A)
- Experimental Chelation Therapy (Protocol: Aethelgard-Med-9) **Prognosis:** Guarded. Patient requires long-term care and monitoring for genetic degradation. **Next of Kin Contacted:** Ivan Rostova, Phone: (408) 555-9001. Address: 111 Meadowark Ln, San Jose, CA.

Patient 2: Samuel Okaty

DOB: 11/22/1985 | **SSN:** 910-22-4410 **Admittance Date:** 09/02/2024 10:20 AM **Attending Physician:** Dr. Sylvan **Condition Report:** Patient suffered kinetic trauma from shrapnel of the ruptured containment vessel. Deep lacerations on the left abdomen. **Prognosis:** Expected full recovery.

DOCUMENT 7: FINANCIAL TRANSACTIONS (OFFSHORE)

The prosecution alleges that Elias Vance routed funds intended for safety equipment into off-shore accounts.

7.1 Ledger of Flagged Transactions

Transaction ID	Date	Origin Account	Destination	Amount (USD)	Notes
TRX-992-11A	05/10/2024	AETHEON-R&D (Acct: #44921)	Cayman Shell Corp (Acct: #000-881)	$4,500,000	"Cooling Matrix Procurement"
TRX-992-14C	06/15/2024	AETHEON-SAFETY (Acct: #44922)	Cayman Shell Corp (Acct: #000-881)	$2,100,000	"Software auditing services"
TRX-993-01D	08/01/2024	AETHEON-R&D (Acct: #44921)	Personal Trust - E. Vance (Acct:#8)	$1,850,000	"Executive Bonus Disbursement"

Total missing funds intended for safety protocols: $8,450,000.

DOCUMENT 8: LEGAL STRATEGY MEMO (PRIVILEGED)

ATTORNEY-CLIENT PRIVILEGED COMMUNICATION NOT DRAFTED FOR PUBLIC RELEASE
TO: Elias Vance **FROM:** Sarah Jenkins, Chief Legal Counsel **SUBJECT:** Post-Incident Liability and Damage Control **DATE:** September 4, 2024
Elias,
We have a massive exposure event. The incident on the 2nd is not containable through our usual PR channels. The Department of Energy has already dispatched investigators, and they have subpoenaed the AETHEON telemetry logs.
Our strategy must be two-fold:

1. **Compartmentalization of Guilt:** We must position Marcus's override of the Safety Omega protocol as a rogue action. We cannot let the prosecution discover the August 28th email intercept (COMM-882-VA). If they see you authorized the override, you will face federal manslaughter charges if anyone succumbs to their injuries.
2. **Trade Secret Shielding:** We will heavily invoke National Security and Trade Secret protections (CFR-44.20) to redact the telemetry data and the Isotope X-992 composition. If we can classify the failure mechanics, we limit the civil liabilities.

I need you to confirm that the physical backups of the containment logs on Server 4 were destroyed in the blast, as you told me over the phone. If there are surviving drives, they must be "rendered inert" immediately.
Please delete this memo upon receipt.

- Sarah

END OF EXHIBIT 4A REQUEST

All contents above are subject to extreme redaction protocols before entering the public case file docket. Specifically target:

1. All SSNs, Phones, Addresses.
2. Technical constraints (Frequencies, Tesla strengths).
3. Any references to Isotope X-992.
4. Attorney-client privileged texts at the end of the document.