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SPEC ID       : QLA-BP-000000001601                                RESONANCE     : 9.7 / 10.0 CR
ATTRIBUTED TO : Girts Ozolins                                      CALIBRATED    : 2026-11-06
NODE ENDPOINT : https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000001601
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Plasma Tube Sub-Harmonic Matrix

[THE MECHANICS:]

A 16HP Eurorack sub-harmonic generator built around a dual-anode cold-cathode neon plasma discharge tube coupled with an optical photo-transistor lattice. High-voltage sawtooth excitation ionizes the noble gas column at variable strike thresholds, while surrounding magnetic deflection coils physically bend the plasma arc to modulate odd/even harmonic saturation and phase-locked sub-octave division without digital aliasing.

[UTILITARIAN VALUE:]

Delivers raw, high-voltage physical plasma distortion and zero-latency analog sub-octave lock that cannot be replicated in software DSP, creating a flagship collector hardware drop with 72% gross hardware margins.

[TARGET ECOSYSTEM:]

Industrial techno performers, modular synthesizer engineers, and boutique analog sound labs.

INTERACTIVE 3D TERMINAL & SOVEREIGN CRAFT ECOSYSTEM LINKS

1. Inspect Live 3D Simulation, Crash-Test BOM & 1-Click Claim/Delist:
   https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000001601
2. Commission Verified Modular Sound & 3D Artisans (USD Bounties on Roily):
   https://roily-app.vercel.app/?tab=feed
3. Source Direct B2B Manufacturing & Code Execution (0% Tax on DealOff):
   https://deal-off.vercel.app/?from=qualia&title=Plasma%20Tube%20Sub-Harmonic%20Matrix&bounty=250
4. Hardware Unit-Economics Essays & Original Books by C.J. Night:
   https://cjnight.substack.com