

OPERATIONAL SILENCE

(2025–ongoing)

Generative sound and light installation

Video: 7:41 min.: <https://youtu.be/15Y1EnRZVH8?si=m4rjTP88lZ-TWYDb>

Short Description

Operational Silence is a generative spatial installation of sound and light that renders algorithmic systems perceptible as autonomous behavioral structures. Instead of direct interaction, the work develops a time-based dramaturgy of states, transitions, and energetic tensions. Sound and light appear as different manifestations of the same system.



Concept

While *Perpetuum Inefficiens* examines economic structures, *Operational Silence* focuses on algorithmic systems that subtly shape perception, attention, and decision-making. The installation operates as an autonomous configuration governed by internal state logic. It moves through phases of condensation, disturbance, operational quietness, and release. These states do not emerge as visual effects, but as temporal developments. Visitors influence the system indirectly through presence and movement within the space. The effect remains neither transparent nor deterministic. The system does not respond immediately, but transforms input into altered atmospheric conditions. Reduction is a deliberate stance: in an image-saturated world, the work shifts attention toward audibility, spatial tension, and minimal light variation.

Structure

- Generative sound system with state machine
- Internal memory structure (temporal accumulation)
- Multichannel audio
- CCT lighting system (dimnable, variable color temperature)
- Indirect, nonlinear influence through presence
- No visible interface

Relationship Between Sound and Light

Sound articulates system states – it introduces impulses and marks transitions.

Light shapes the spatial condition – it creates the conditions of perception.

Both layers may operate synchronously, asynchronously, or independently.

The work does not create a dialogue between human and machine, but a constellation of states in which articulation and atmosphere mutually generate one another.

Installation Format

- Dark or reduced space
- Multichannel sound
- Linear or spatial light structures (LED elements)
- Continuous duration without beginning or end

Technical Requirements:

Space: Ideally 5x5m (variable), preferably no windows

Lighting: Darkness recommended for optimal effect

Hardware: MacMini, Raspberry Pi with camera, sound system (all can be provided)

Interested?

Contact me for further information, documentation material, or a presentation:

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