

TEKTON

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Tekton is an ongoing collaboration between Labmeta and D-Fuse exploring the materiality and temporality of light in motion.

Multi-layered light-emitting objects are organised into kinetic structures that are governed by algorithmic systems to create light machines. As the mechanics of the machines are rendered invisible, traces of light remain. The fragile binaries of disorder and pattern, light and dark, harmony and disarray, human and machine become delicately balanced as the traces of light are stabilised in motion and ghost-like images hang in the air.

Drawing Inspiration from the kinetic architecture of Vladimir Tatlin, and the constructivist light space modulators of László Moholy-Nagy, a range of physical and virtual light machines have been developed in the form of audiovisual films, a live audiovisual performance and kinetic light installations.

D-FUSE

D-Fuse are a London-based artist collective who work across a range of media. Founded in the mid-1990s by Michael Faulkner D-Fuse's output encompasses installations, film, experimental documentary, photography, live cinema performances and architectural projects.

Beginning in graphics, web design and VJing, D-Fuse's work has evolved to address social and environmental themes and explore collaborative processes.

Besides work with groundbreaking musicians from a wide range of genres including Steve Reich, Beck, Burnt Friedman, Hauschka, Scanner and Swayzak; much of D-Fuse's output since 2004 includes sound and music by audio director Matthias Kispert.

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LABMETA

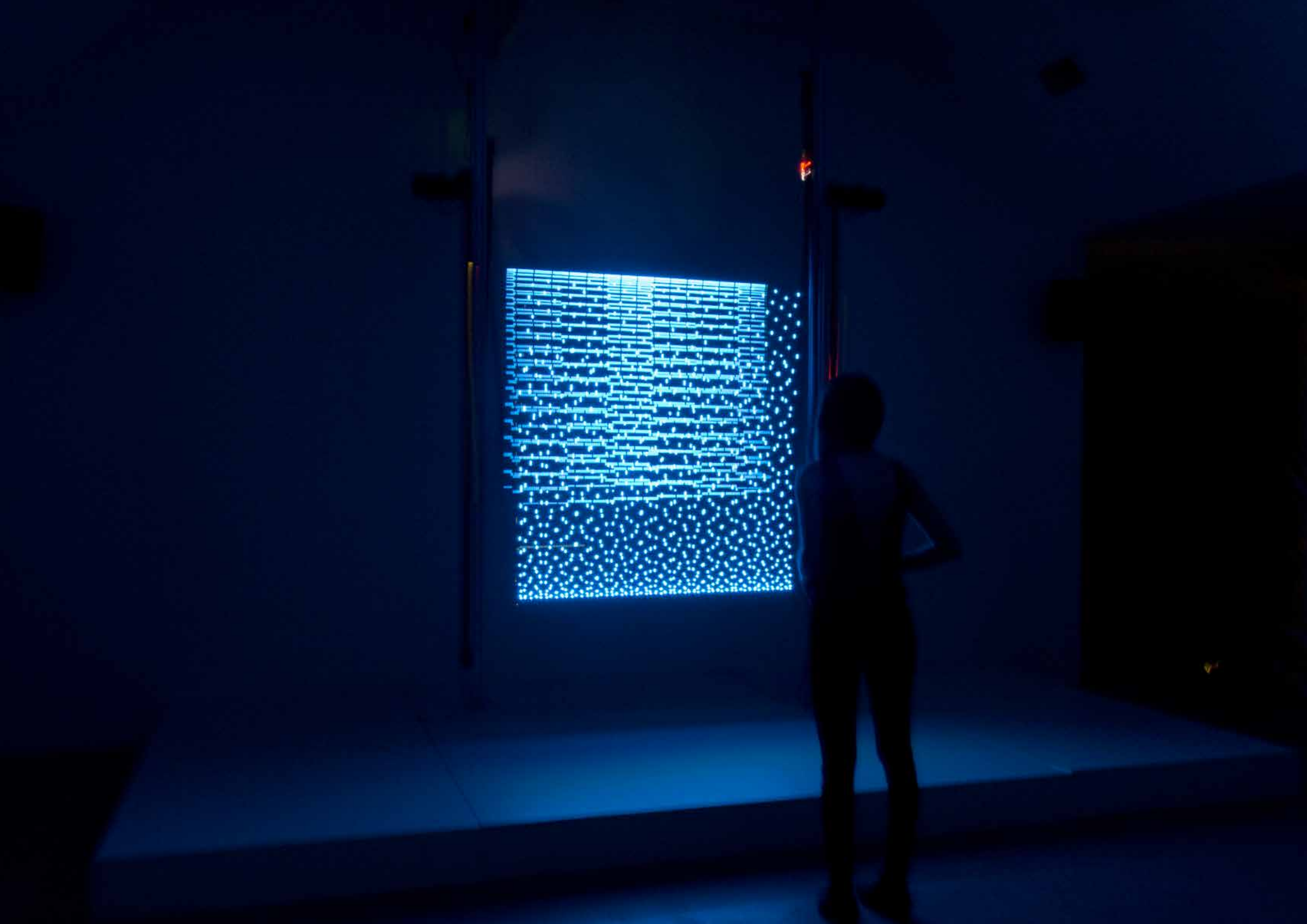
Labmeta is the studio of designer, artist and animator Paul Mumford, specialising in projects with audiovisual elements that weave through design, moving image and installation.

Creatively his work focuses on research in the fields of experimental narrative and live performance while exploring the complex moments of everyday life, visions of the future and stories about machines.

His work has been shown at many galleries such as the London BFI, V&A Museum, Tate Britain and the ICA and have been performed internationally at events such as Cybersonica, Onedotzero, STRP, Multiplicidades, Mapping, Cimatics and Sonar.

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TEKTON 'ONE THREE'



TEKTON - ONE THREE

Kinetic Light Sculpture, 2ch Sound
by Mike Faulkner & Paul Mumford
Model by Toby Harris
Sound by Matthias Kispert

Tekton One Three is a machine that prints light in space: A strip of LEDs are put in vertical motion by a motor, while the LEDs themselves are programmed with touch designer to emit sequences of light in horizontal patterns. In the relationship between these two directions of movement, between light traversing space and after-image imprinted on the retina, various complex patterns emerge. Dots, lines and curves overlap to create traces of movement, light and dark, pattern and disorder, harmony and dissonance.

Exhibitions:

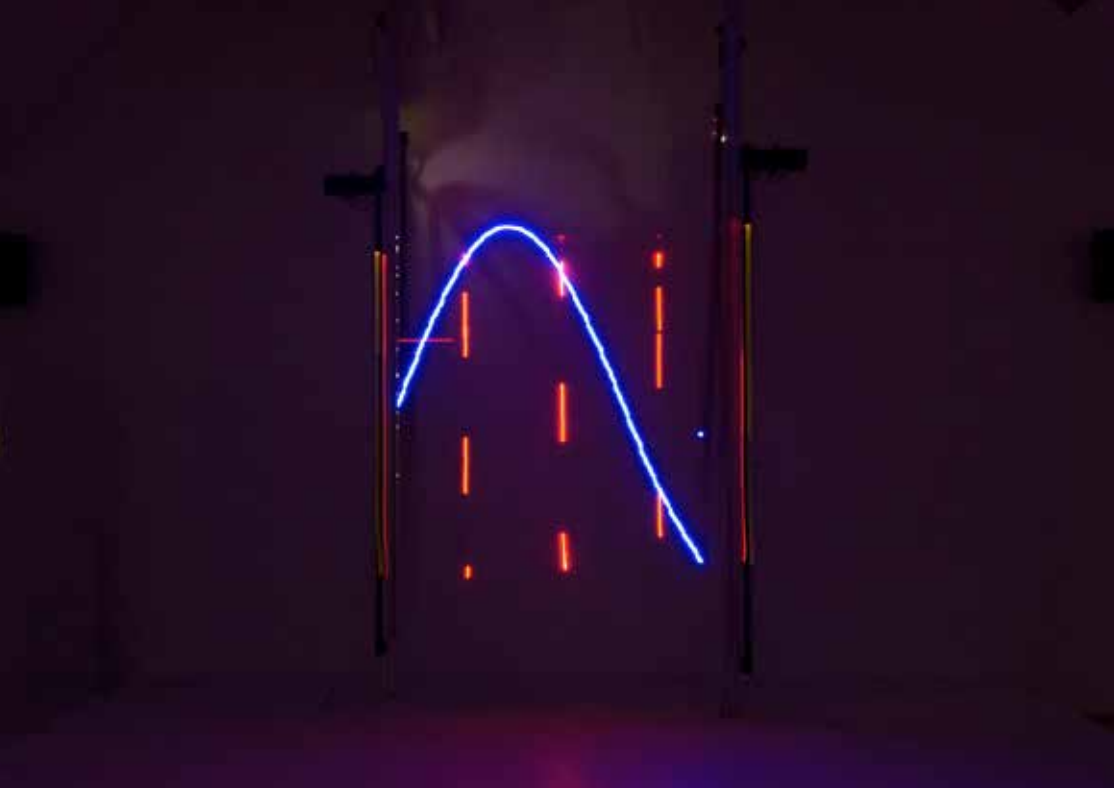
Wood Street Gallery [Pittsburgh, USA]

Links:

vimeo.com/141439567

vimeo.com/133752980





TEKTON `TWO ZERO`



TEKTON - TWO ZERO

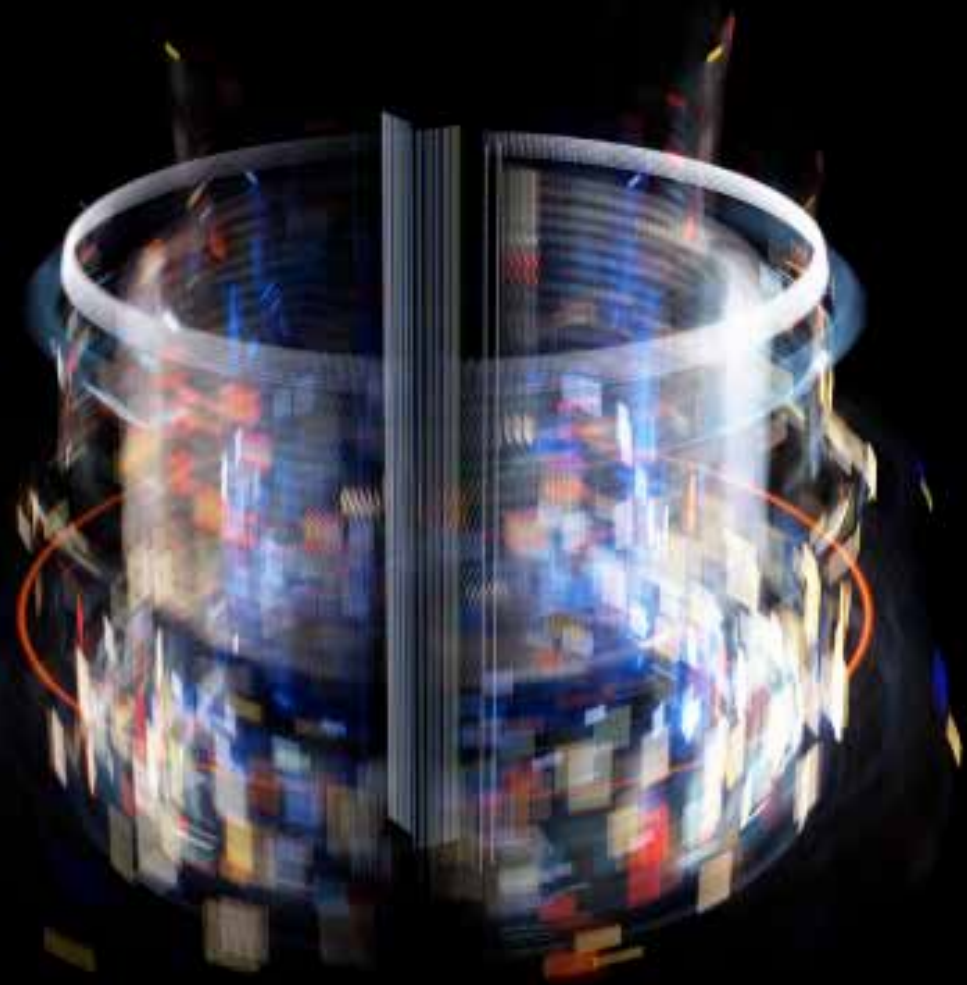
Audiovisual Films, 1-5ch with Mono Sound
by Mike Faulkner & Paul Mumford
Sound by Matthias Kispert

Tektōn Two Zero is a series of audiovisual films exploring a light machine made from an a high speed spinning panel of lights.

As the panel revolves it leaves trace artifacts of light behind. The artists have explored feeding this virtual machine with different kinds of video footage and animations as the light source, so the whole construction becomes an image processing device. Each video clip that is processed through the machine outputs an entirely different and unique light sculpture that becomes almost frozen in time.

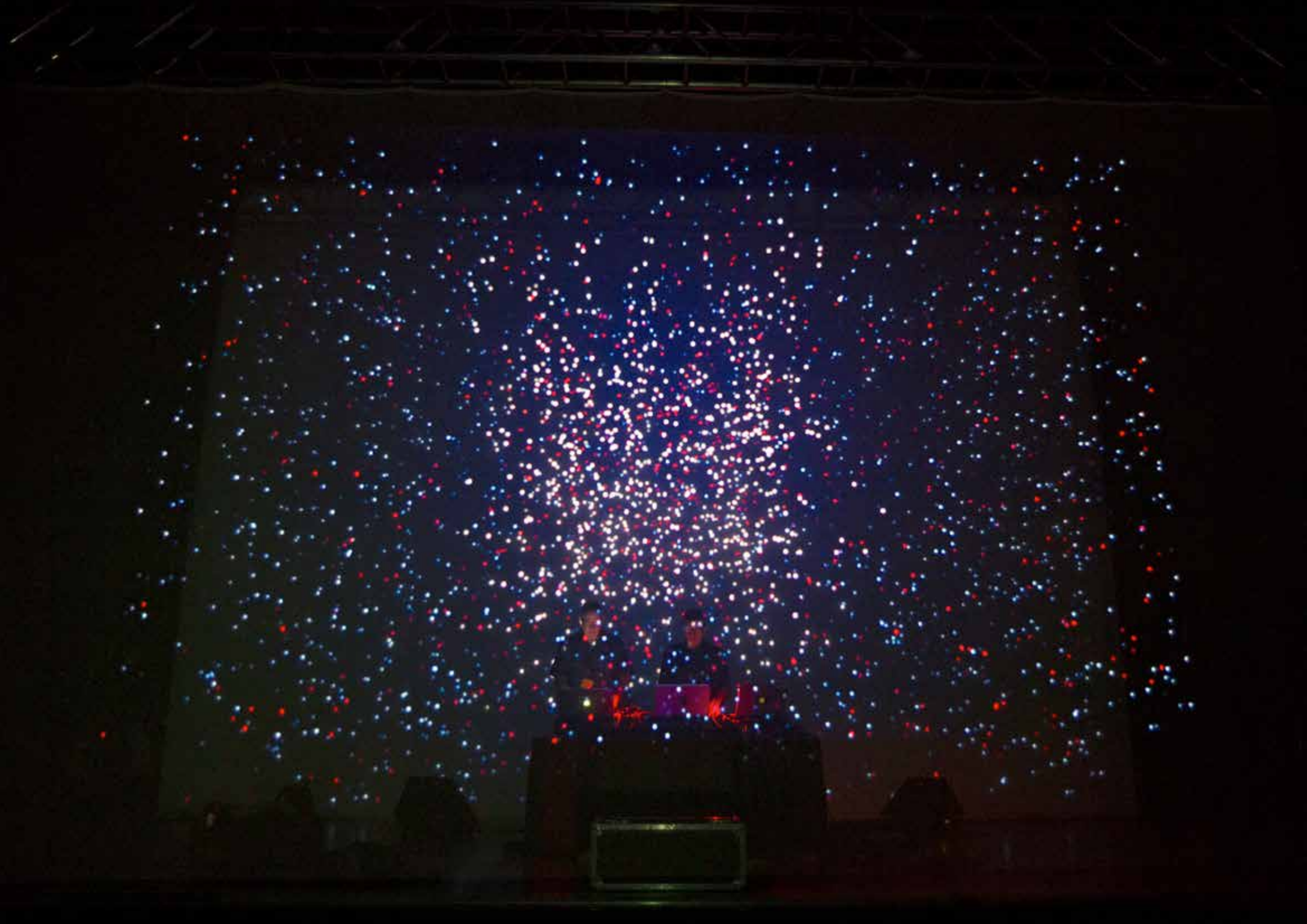
Exhibitions & Screenings:

Wood Street Gallery [Pittsburgh, USA]
Kinetica Art Fair/P3 Gallery [London, UK]
Hackney Film Festival [London, UK]
Onedotzero Festival [London, UK]





'TEKTON LIVE'



TEKTON LIVE

45min Live Audiovisual Performance
by Mike Faulkner, Paul Mumford & Matthias
Kispert

Tekton live presents extracts of the various
Tekton light machines developed by Dfuse
and Labmeta as a projected audio-visual
experience.

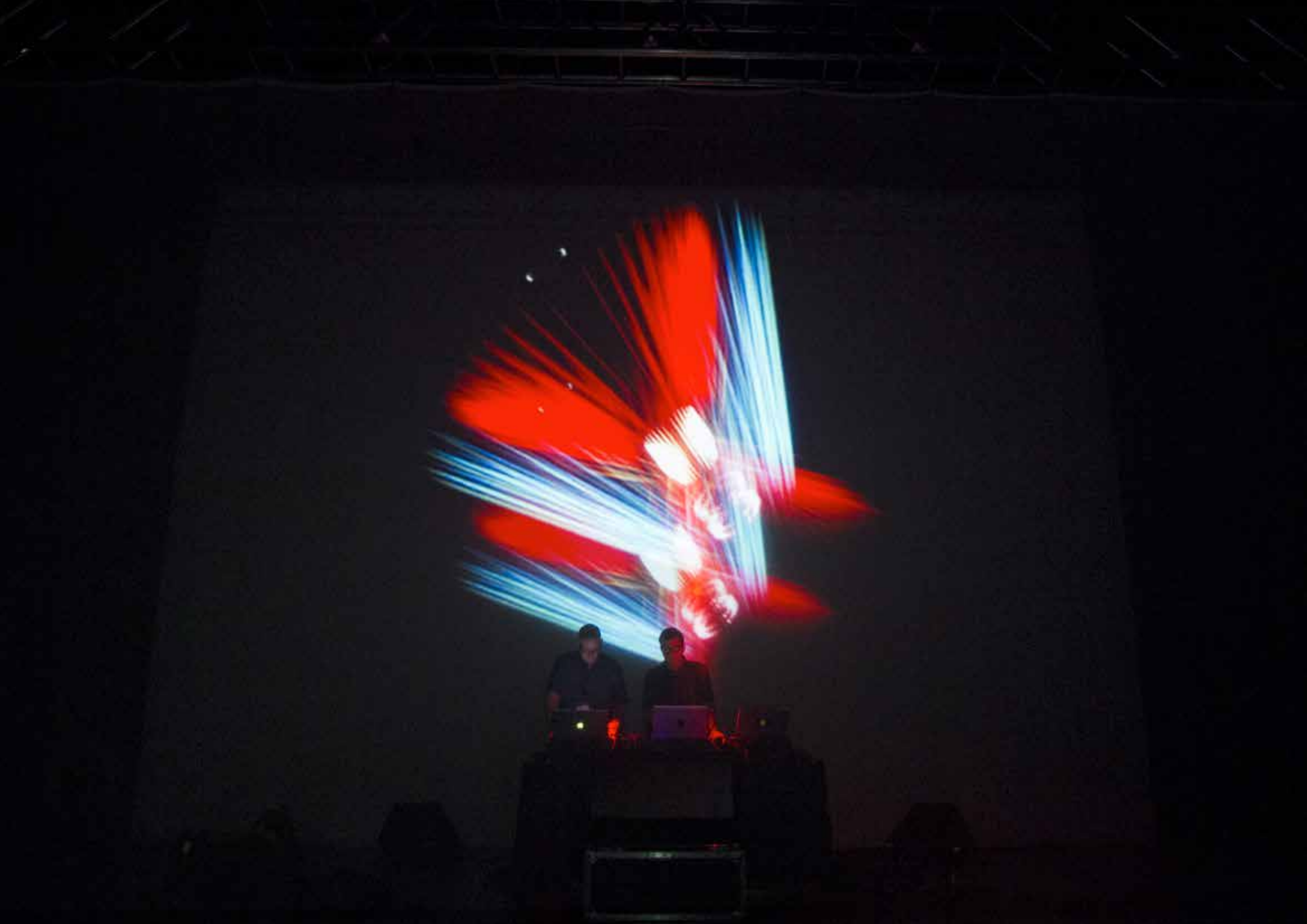
Segments of animation, film and realtime
simulations are performed live and presented
on 2 layers of projection screens. A
transparent gauze hangs in front of the
performers with a solid projection screen at
the back of the stage allowing the images
to hang in the air to create a highly
spatialised, three dimensional experience.

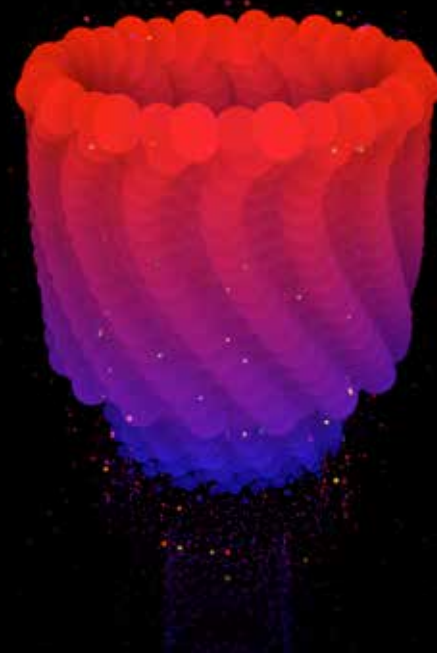
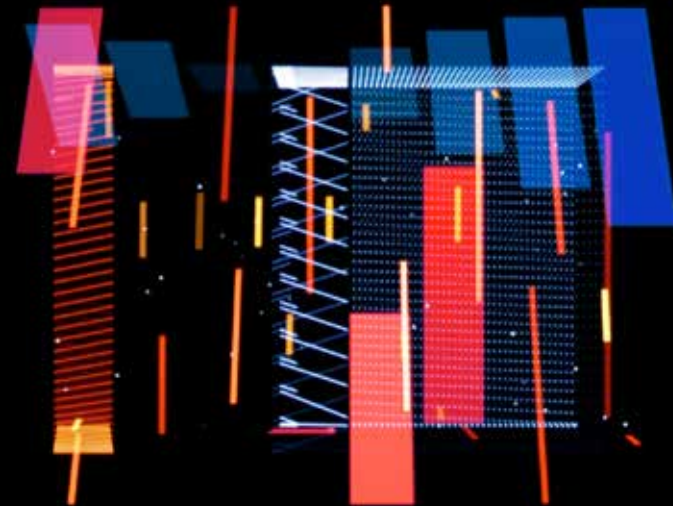
Performances:

Storung Festival [Barcelona, Spain]
Punto y Raya Festival [Reykjavik, Iceland]
STRP Biennale [Eindhoven, Holland]
Multiplicidades [Rio De Janeiro, Brazil]
A/vant Garde - Kings Place [London, UK]
Redsonic Festival - Zero Edition [London, UK]

Links:

vimeo.com/89310338





ADDITIONAL TECHNICAL INFO

TEKTON 'ONE THREE' REQUIREMENTS

Min 4m x 4m dark gallery space. Other indoor locations can be considered such as light industrial spaces. Available ceiling height must be min 2.5m.

The machinery can be packed down and shipped in x2 large Tubes and x2 Peli Cases using an international shipping company such as DHL or UPS.

Aluminium uprights must be purchased and shipped direct to the venue by the gallery. The length of these uprights should match the ceiling height of the exhibition space and they will need to have mounting holes drilled into the metal before being fastened to the floor and ceiling with mounting brackets and heavy duty fastenings. Ideally it should be fastened to concrete or solid brick.

Safety must be considered and is the responsibility of the venue/promotor. We recommend an approx 20cm high plinth around the base of the machine with a min of 90cm clearance from any moving parts.

Set up time is approx 3-4 days. Multiple gallery staff will be needed to assist with the build.

Drawings available on request

TO BE SUPPLIED BY VENUE/PROMOTOR

- x2 Contact Microphones & Cabling
- x1 2ch Mixer

- x2 Ladders to reach ceiling
- x2 Aluminium Uprights purchased from ITEM
- Onsite Access to a Pillar Drill & Workbench
- Each upright requires 22 holes to be drilled
- Each upright must be fastened top & bottom

- x4 Earthed Power Leads at ceiling height individually switchable by gallery staff
- x2 of those power leads must have 2m of reach from ceiling
- Each power lead will be terminated directly on PSU terminals - No plugs required

- M6 Drillbit for Metal
- M4 Drillbit for Metal

- White Plinth around the base of the machine

TEKTON 'TWO ZERO' REQUIREMENTS

Can be presented in a wide range of formats either as a projection or on video monitors.

Currently available as 1ch, 2ch and 5ch configurations.

Each Image should be presented with Stereo Sound played through directional speakers so each image can distinctly be identified with the attached sound.

Playback files can be supplied by the artists as Quicktime Movies. Suitable playback devices must be supplied.

Drawing available on Request

TO BE SUPPLIED BY VENUE/PROMOTOR

(Quantities depend on configuration)

- 1080p or Higher Resolution Monitor
- DVI Cables to Playback Device
- Playback Device for Quicktime File
- Directional Stereo Speakers
- Audio Cables from Playback Device

TEKTON LIVE REQUIREMENTS

Approx 6m x 5m stage area to accommodate a solid 16:9 projection screen at the back of the space and a hanging transparent gauze at the front of the space hung from ceiling truss or similar.

Two Projectors with a min of 5k Lumens, 10k preferable. Sightlines from audience should allow them to see through the two images on the front and back screens.

In the centre of the performance space a table of approx 4-5m wide and 1.5m deep should be placed and draped with black cloth. The artist's silhouettes should be visible between the two projections so may need to be raised on staging.

The performance requires as dark a space as possible. Ambient light levels have a dramatic effect on the brightness of the image projected onto the gauze.

The sound system needs to be able to handle loud sub-bass while keeping the sound clean.

Drawings available on Request

TO BE SUPPLIED BY VENUE/PROMOTOR

- x1-2 PROJECTORS 10k Lumens
- x2 VGA Cables from Artists to Projectors
- x2 VGA Flat Panel Monitors
- x2 VGA splitters/DA AMPs
- x8 UK Power Sockets
- x1 16:9 Screen
- x1 16:9 Sharks Tooth Gauze
- x1 Long Pole to Weigh down the Gauze
- x1 CD Player - plus cabling to Mixer.
- x1 Mackie Mixer or similar - 8 channels.
- x1 Monitor Speaker for sound performers
- x1 Monitor Speaker video performers.
- x2 Sets of 4m XLR to 3.5mm Jacks
- Basic stage Lighting onto the artists