Freeform artistic proposal - "Script -and Storyboard"

James Lumsden-Keys 6367666

DECAY'D will be a projection installation developed by using a combination of degradation and decaying treatments given to twenty-year-old 8mm home movie videotapes from my own home movie archives and whose contents will be that of general family life.

Two out of sync layered pieces of vision will be gradually deteriorated to the point where they will no longer be able to be distinguished and the treatment process will end up being the focus rather than the original vision.

Distorted electronic tones and oscillation frequencies between the ranges of 40Hz & 20KHz will create the free form audio soundscape.

TREATMENT

VISION
- The first pieces of vision are slowed to a speed of 25%.
- The colour of the footage is then over saturated and darkened every 30-second cycle.
- A second layer of the same vision is placed on top 5 seconds behind the original footage with its speed slowed to 50%.
  NOTE - Second layer remains untreated.
- A third layer of random white noise and uneven video tracking is introduced to further decay the vision.
- Negative polarising will randomly occur throughout the vision.
- The footage will be looped and run for approximately 5 - 8 minutes.

AUDIO
- An Apple iPad 3, using TC-11, a sound editor developed by Bitshape software, will be used to enhance the freeform artistic experience by creating a personalised and distorted electronic audio soundscape which utilises tones and oscillation frequencies generated between the ranges of 40Hz & 20KHz. The soundscape creates a solemn and degraded tone to the projection while maintaining a separate entity.

PROJECTION
In the event that the projection areas change, there will be a variation on the vision projected.

1. The vision used for the Kiosk will require masking of the seating area to accommodate the projection surfaces and avoid vision spilling onto other surrounding built up areas. This will be done with Quartz Composer.

2. The WS building will require sound buffers to avoid sound spill onto other installations being projected. A suggestion is to create 3 layers of hessian buffers with a 20cm air gap between each layer to reduce audio spill.

Parallax compensation

The projection in WS building will have a minimal distance requirement of 10metres from projector to screen.
The parallax view of the vision as a whole will be of very poor quality.
DECAY'D is meant to be poorly focused and blurred with the depth of field also out of focus.
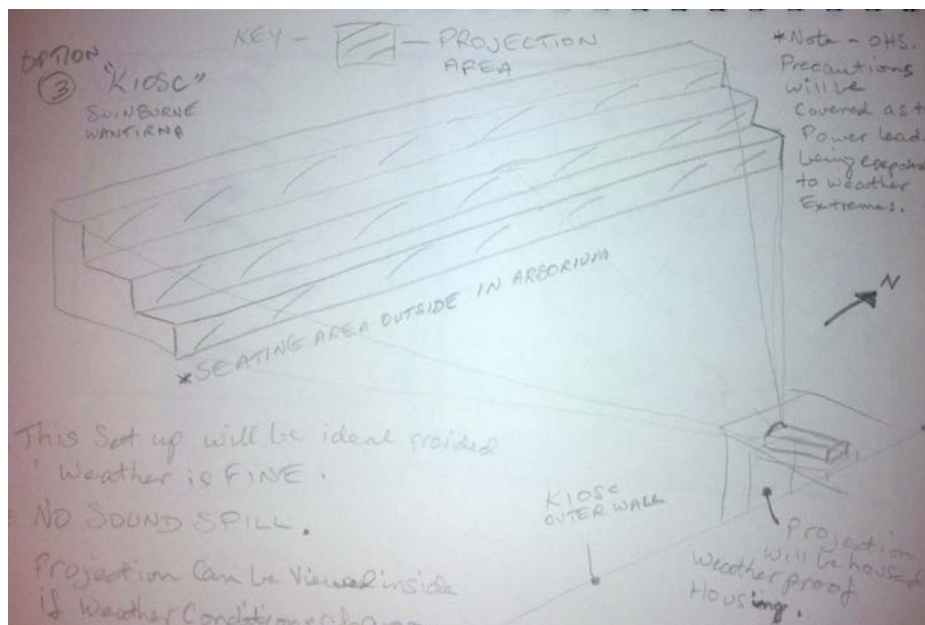

LOCATION and SCREENING SURFACES

LOCATION - 1

Swinburne Kiosk Building - Seating area, Arbortorium.

The surface beneath the seating would provide a suitable surface to project onto giving an urban atmosphere.
In the event of adverse weather conditions the viewing area can be viewed from inside the kiosk through the glass windows.
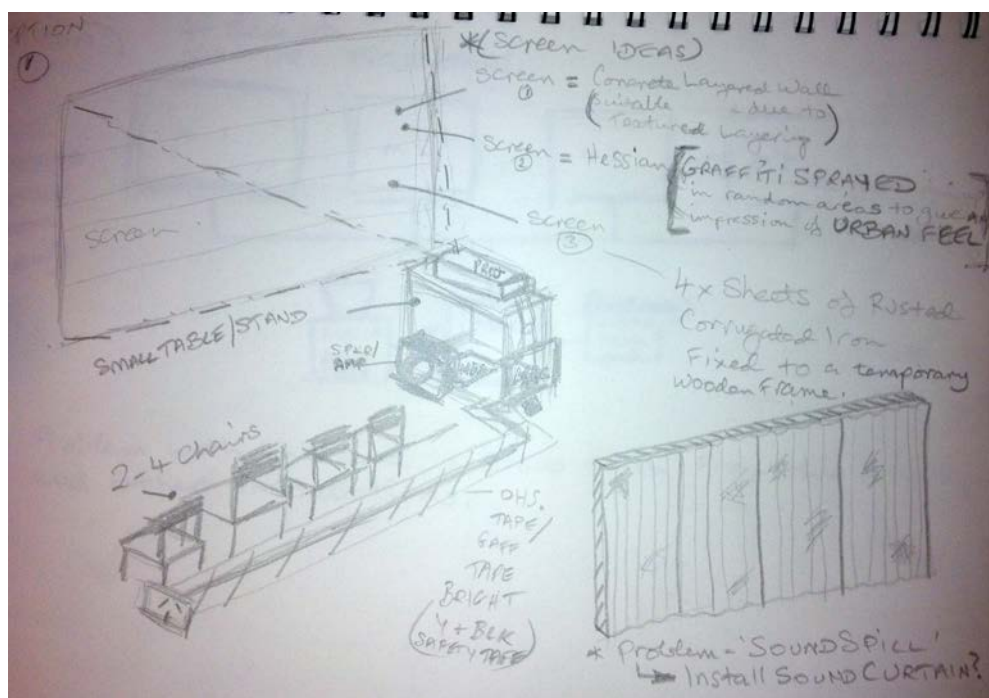
LOCATION - 2

The projection screening location will be on the concrete wall outside room WS - 201, inside the Swinburne WS Sustainability building, first floor, next to the secured glass sliding doors opposite the elevator.

The concrete wall has been selected due to its layered appearance, which will create a further urban feel for this 2 dimensional projection.

SET UP

Data projector - set up will be similar in both locations

- The data projector will be seated atop a small covered table or desk with the operating system beside or next to the equipment.
- The data projector will be at a height no higher than 1metre from ground level.

EQUIPMENT

NEC Model np3250w

Specifications -

Display Technology - 0.74" LCD w/ MLA
ECO Mode Technology
High speed wireless connectivity or wired LAN

Light Output (Lumens) - 4000 normal / Eco = approx. 80% of normal mode

Stacking correction capabilities (up to four projectors) allows the projectors to boost an image's brightness up to 20,000 lumens

Resolution -
          Native - WXGA 1280 x 800
          Maximum - UXGA 1600 x 1200

Contrast Ratio (up to) - 500:1
Lamp Type - 330W AC
Lamp Life (up to) - 2000 hours normal / 3000 hours eco
Screen Size (diagonal) - 25 to 500 in. / 0.64 to 12.7m
Throw Ratio - 1.5 to 2 (standard lens)
Projection Distance - 2.5 to 68.5 ft. / 0.74 to 20.9m
Projector Angle - 10.3 to 10.8° tele / 13.7 to 14.5° wide

Lens
      Zoom - 1 to 1.33
      Focus - Manual
      F number, fnumber - F=1.7 to 2.2, f=24.4 to 32.5mm
      Shift - Manual: 50% vertical, 10% horizontal

Keystone Correction - +/- 40° horizontal, +/- 30° vertical

Signal compatibility/Connectivity -

Scan Rate

          Horizontal - 15-108 kHz
         Vertical - 48-120 Hz

Supported Video Standards - NTSC 4.43, PAL, PAL-60, PAL-M, PAL-N, SECAM
SD/HD Video Signal Compatibility - 480p, 576i, 576p, 720p, 1080i
PC Signal Compatibility - SVGA, XGA, WXGA, WXGA+, SXGA, SXGA+, UXGA
Macintosh Compatibility - Yes

Input/Output Terminals
         RGB1(analog) - VGA 15-pin D-sub, Component video using ADP-CV 1E
         RGB2(analog) - 5 BNC
         RGB3(digital) - DVI-D w/ HDCP
         Video 1 - RCA
         Video 2 - S-Video
         Video 3 - Component
         Audio 1 - Mini stereo
         Monitor out - VGA 15-pin D-sub
         Audio out - Yes

Dimensions (WxDxH) - 15.7 x 14.1 x 5.9 in. / 399 x 358 x 150mm
Net Weight - 16.1 lbs / 7.3 kg
Fan Noise - 38 dB normal / 31 dB eco
Installation Orientation - Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear

Apple iMac - Software Specifications:
Final Cut Pro - Degrading effects and editing.
Soundtrack Pro - Soundscape editing.

Apple iPad 3 - Software Specifications
TC-11, sound editor software created by Bitshape software.

1 x 2TB External HDD with 240-volt power adaptor
1 x USB cable
Storage of projection files

1pair Alesis M1 active MK2 powered monitor speakers
Specs: freq. response - +/-2db, 50Hz to 20KHz
2 x power cables to suit

LEADS
2 x 20 metre 240-volt extension cable
1 x 40 metre 240-volt extension cable
1 x 6 outlet power board
6 x 3 metre power cables
1 x 3.5mm stereo plug to twin RCA sockets adaptor
2 x 6.5mm phone plug to RCA plug 1 metre leads

OH&S
- Precautionary measures for the laying of 240-volt power boards, cables, computers and all installation equipment will be installed away from public access and will be gaff taped securely so as not to become a tripping, electrical or health hazard.
- Equipment will be used in well-ventilated areas.
- Appropriate signage will be in place so as to alert patrons of hazardous areas. If children are in attendance parents will be advised as to refrain from allowing their children to wander and touch the installation equipment.
- As a precautionary measure any installation equipment not visually utilised will be covered, with adequate ventilation, so as not to attract attention to it.
- In the event of a power blackout, appropriate lighting, torches, will be on hand.
- All OH&S aspects will be adhered to. Any aspect not listed will be acted on immediately.

SECURITY
- The security aspect of all projection equipment will be secured by physically attending the installation.
- After hour's security -
  No outdoor equipment will be left unattended. This will remain indoors and at a secure location until the equipment is needed or installation has ended.