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Over the years, the discipline has grown much broader, as new technologies such as digital platforms and smart city technologies have increasingly made their way into the experience, management and design of cities /.../

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Digital platforms that strengthen citizen's digital [illegible] democratic societies. /.../

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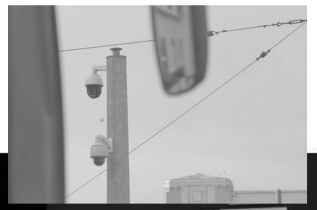
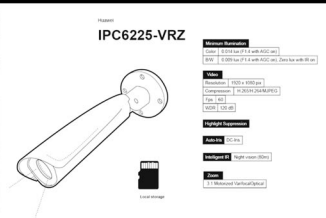
VAB2020

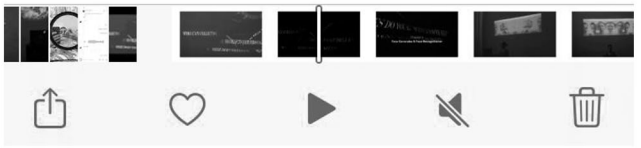
MediaArchitecture Biennale

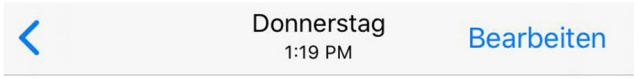
#FuturesImplied

TRACKING ERA

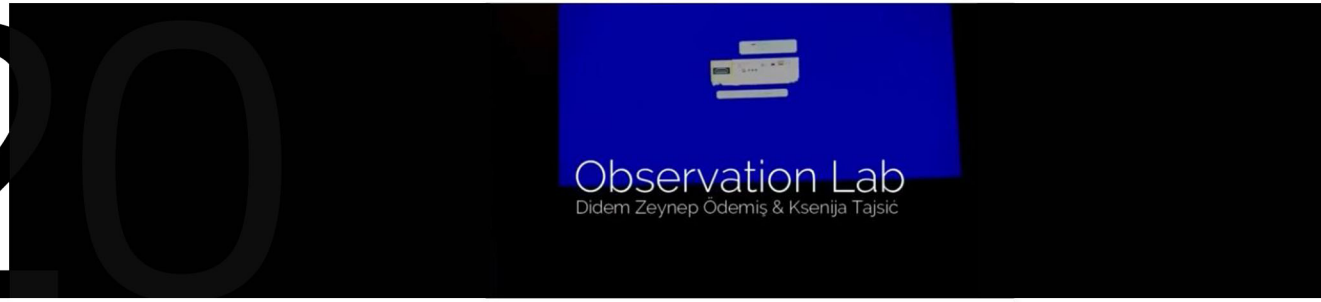






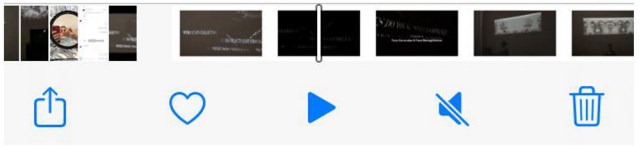


MAB 20



MediaArchitecture Biennale

#FuturesImplied



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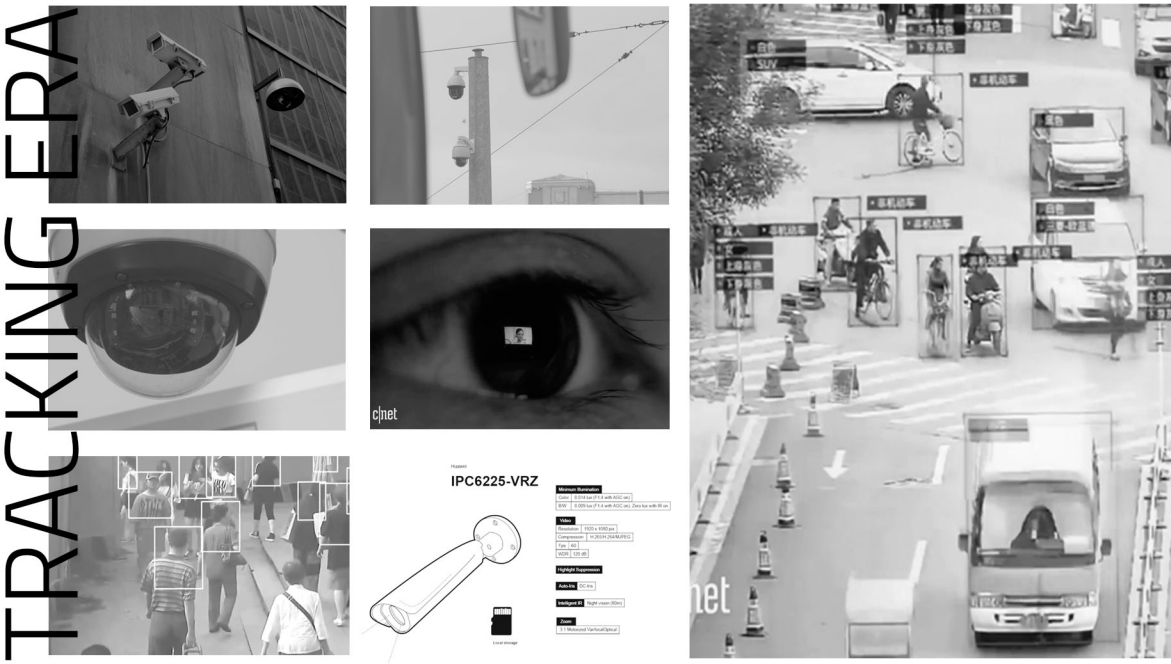
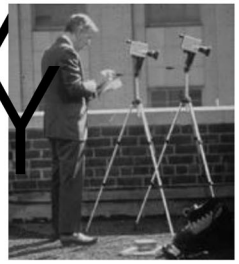


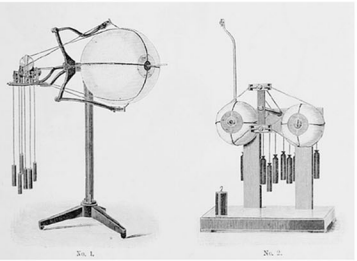
THEORY

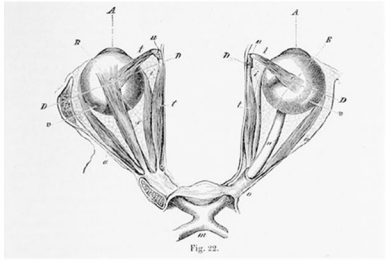


URBANISTICAL EXPERIMENT

William H. White
The Social Life of Smal Urban Spaces 1980

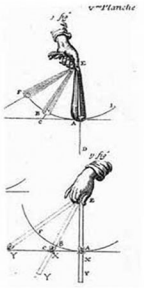
prt sc https://www.youtube.com/watch?v=rW5KVb26Zt4&feature=youtu.be





PSYCHOLOGICAL EXPERIMENTS

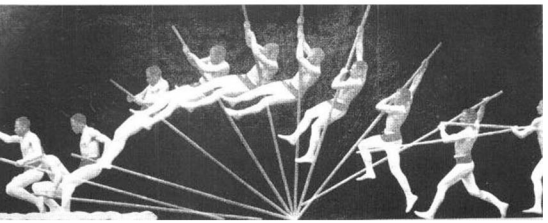
MORPHOLOGY OF MOVEMENT
Wundt's and Helmholtz's experiments



TECHNOLOGICAL EXPERIMENTS

Max Wertheimer / Harold Edgerton
STROBOSCOPIC MOVEMENT EXPERIMENTS

Muybridge's chronophotographic sequences



Peripherial photographs by Andrew Davidhazy

photos: google images

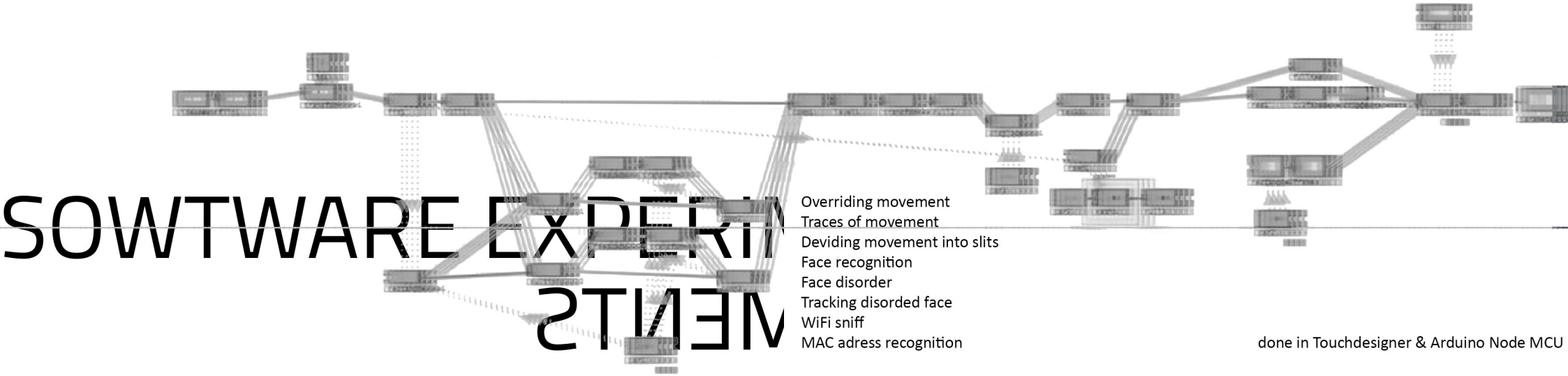
Creating a copy of the real world by converting it into datas

Collecting visual data from visitors

Creating a feeling of being observed through:
- -face detection
- -presenting movement traces

Recording the sequences of visitor and giving it as a feedback
(~ receipt)

Creating awareness on citizens digital rights and video surveillance



SOWTWARE EXPERIMENTS

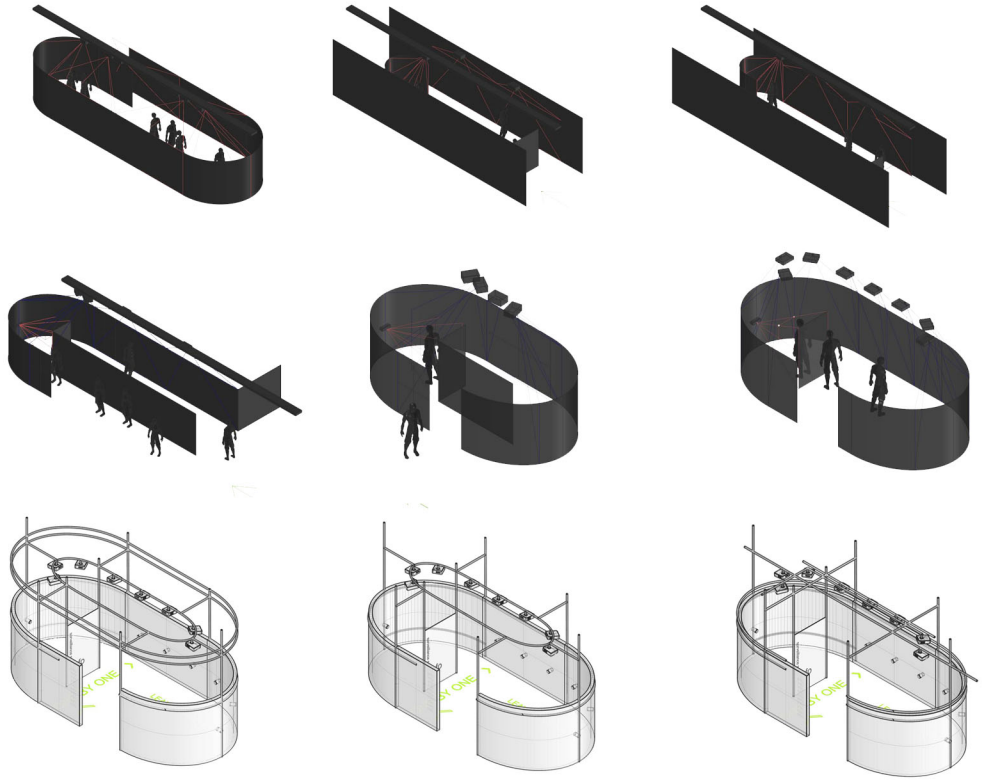
Overriding movement
Traces of movement
Deviding movement into slits
Face recognition
Face disorder
Tracking disorded face
WiFi sniff
MAC adress recognition

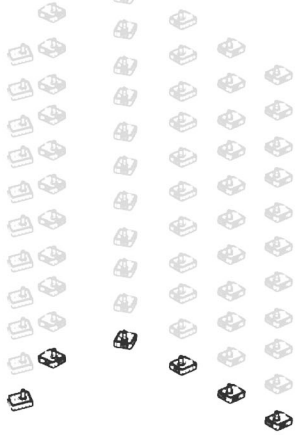
done in Touchdesigner & Arduino Node MCU

[video 01]
https://vimeo.com/440846438

[video 02]
https://vimeo.com/440846006

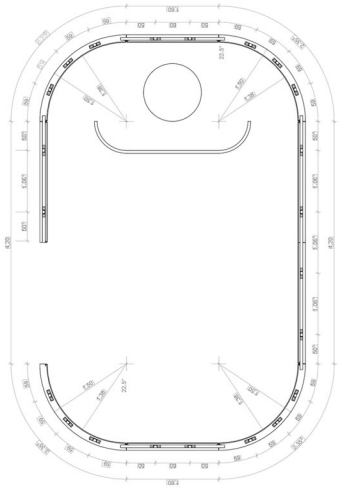
GENESIS OF A FORM

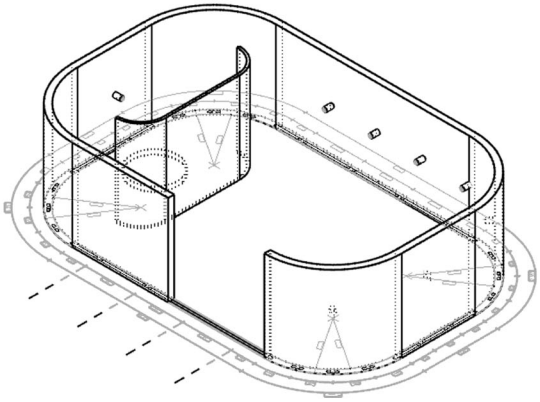


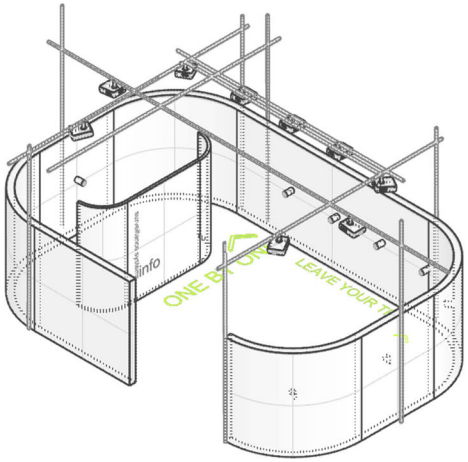


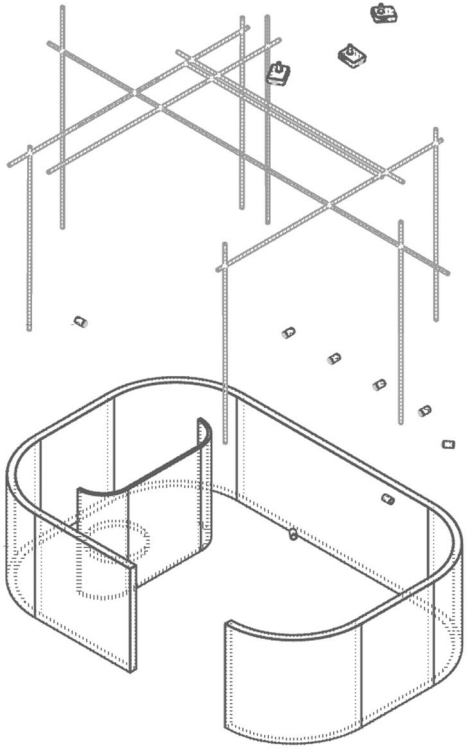
PAVILION WITH ITS COMPONENTS

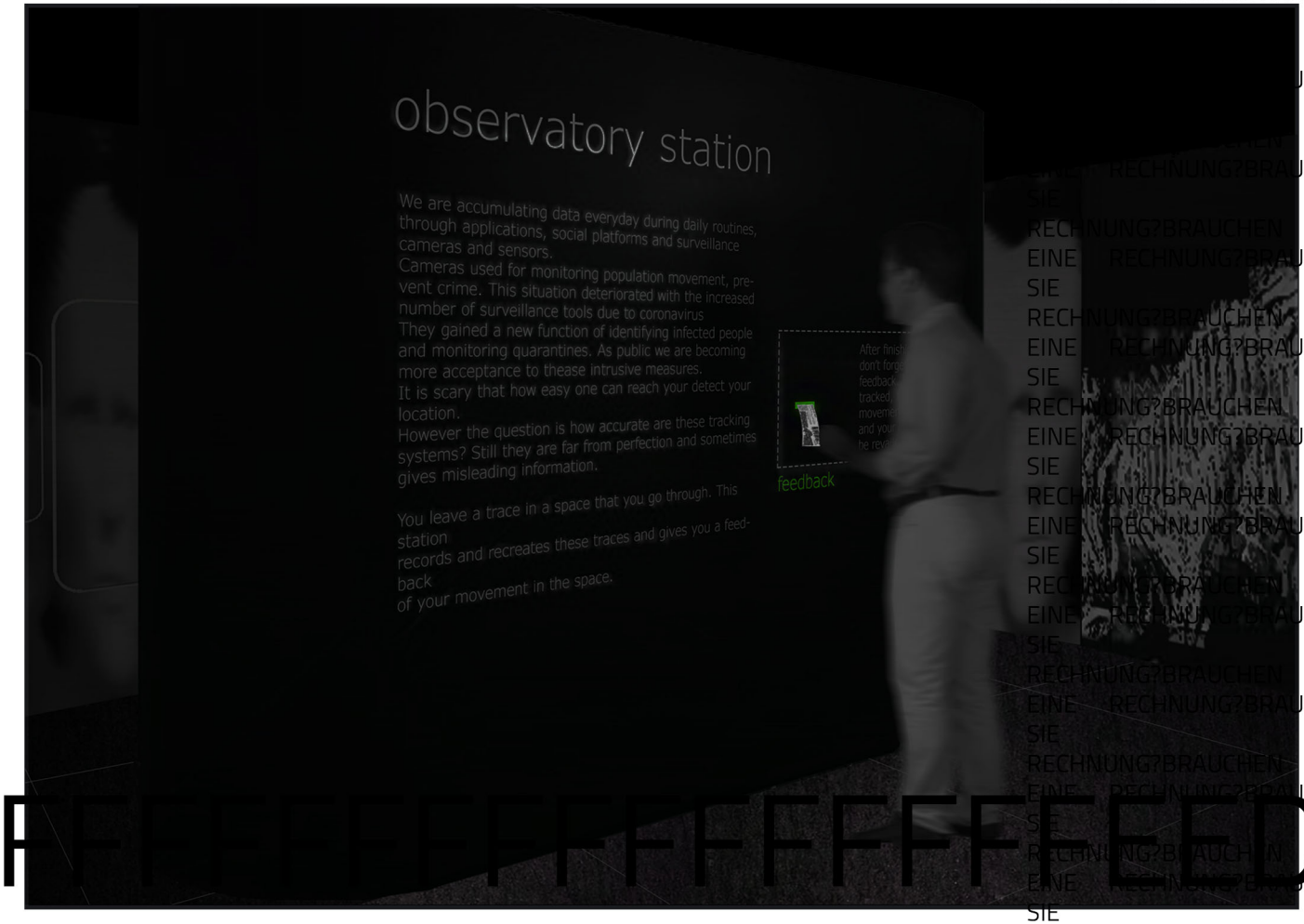
After form development, research of spatial aspects and consultations with mentors, we decided to make changes to built pavilion of Bauhaus Orbits Project, adjust it to our conceptual media-implementation, and with adding constructional and technical components, make a unique experience in “Observation Lab” pavilion.







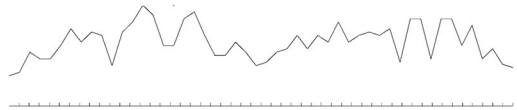



observatory station
We are accumulating data everyday during daily routines, through applications, social platforms and surveillance cameras and sensors.
Cameras used for monitoring population movement, prevent crime. This situation deteriorated with the increased number of surveillance tools due to coronavirus
They gained a new function of identifying infected people and monitoring quarantines. As public we are becoming more acceptance to thease intrusive measures.
It is scary that how easy one can reach your detect your location.
However the question is how accurate are these tracking systems? Still they are far from perfection and sometimes gives misleading information.
You leave a trace in a space that you go through. This station
records and recreates these traces and gives you a feedback
of your movement in the space.
feedback

FFFF

observatory station feedback 23.07.2020. 1:19 PM

detected human



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2c:91:ab:b2:c0:0e
00:80:92:9a:92:08
2c:91:ab:b2:c0:0e
58:d7:59:40:29:97
2c:08:8c:f5:27:0e
d0:c5:f3:46:7e:d6
00:26:e8:69:4a:39
08:96:d7:1d:c5:25
2c:91:ab:b2:c0:10
b0:4e:26:79:af:38
0c:8b:fd:d0:71:fe
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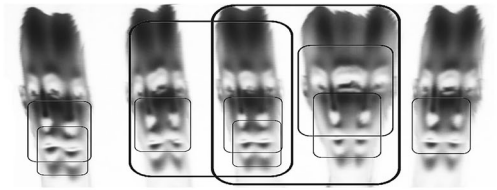
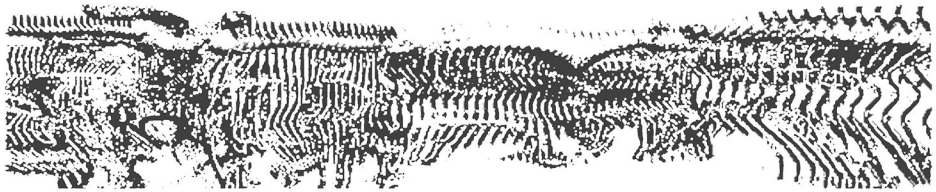


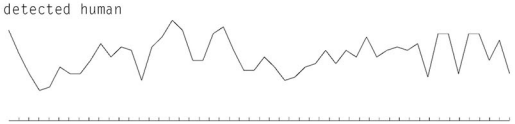
face recognized

recorded movement in space



observatory station feedback 23.07.2020. 1:29 PM

detected human



current devices:16

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00:80:92:9a:92:08
2c:91:ab:b2:c0:0e
00:80:92:9a:92:08
2c:91:ab:b2:c0:0e
00:26:e8:69:4a:39
58:d7:59:40:29:97
2c:08:8c:f5:27:0e
d0:c5:f3:46:7e:d6
00:26:e8:69:4a:39
08:96:d7:1d:c5:25
2c:91:ab:b2:c0:10
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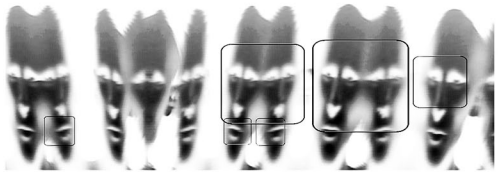

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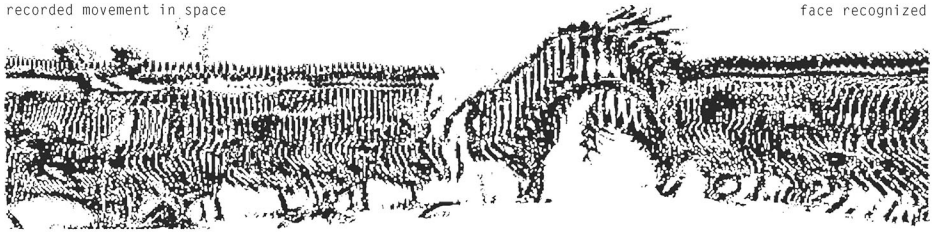

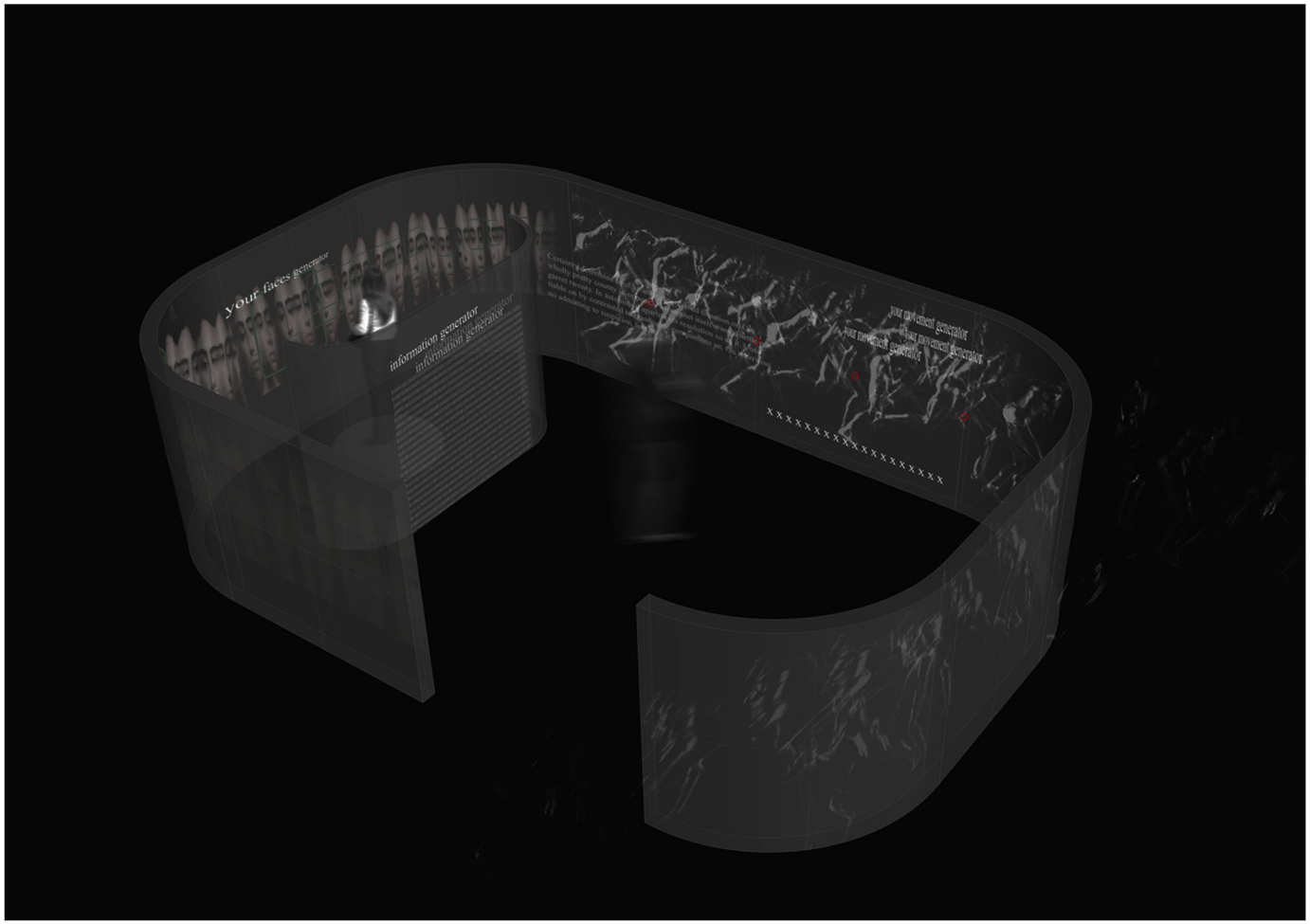
your faces generator
information generator
information generator
your movement generator
your movement generator
your movement generator
xxxxxxxxxxxxxxxxxx