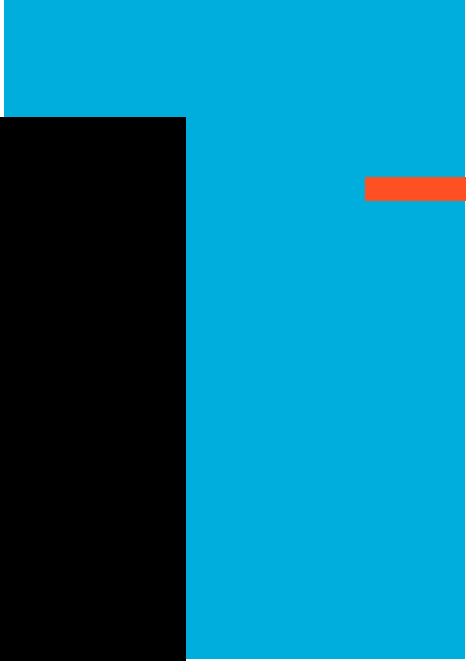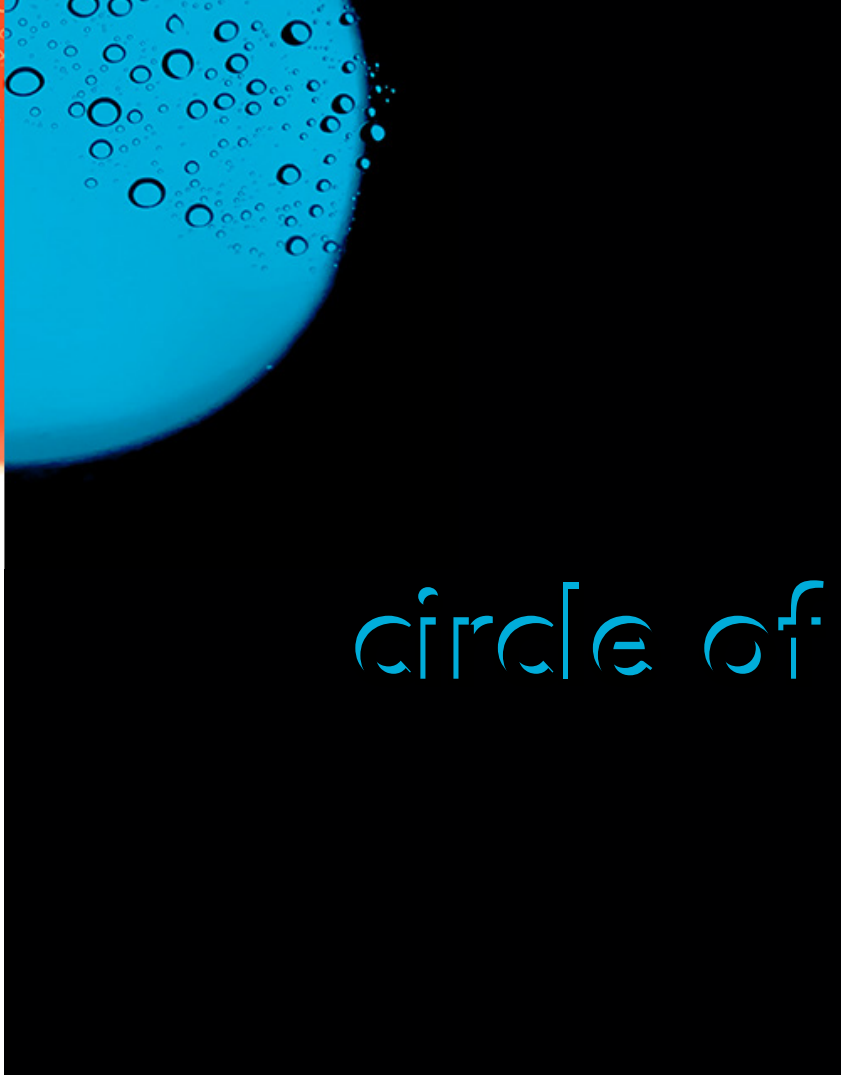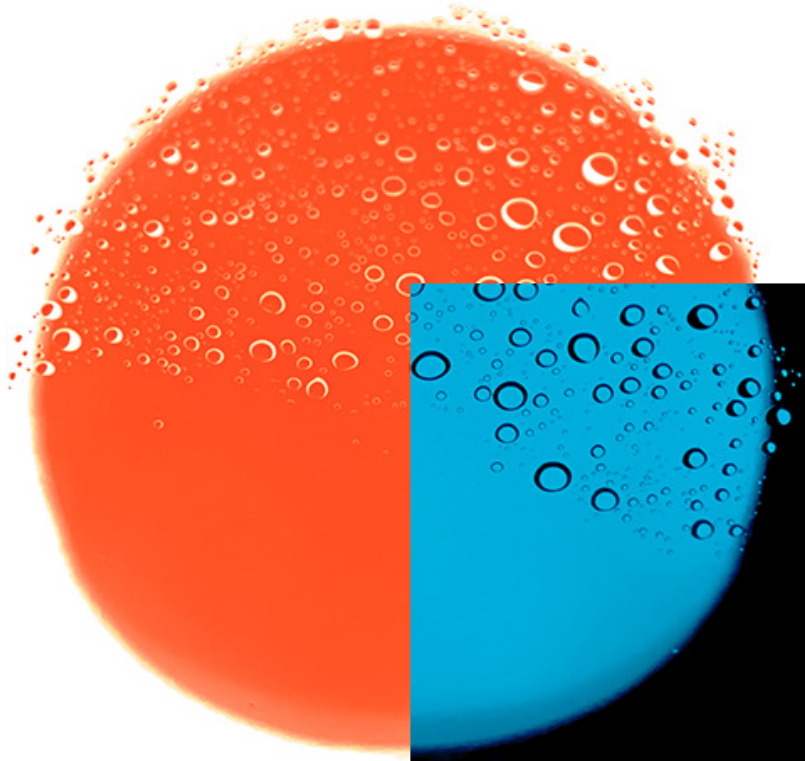New
Nature

Ilm
Park

circle of lights

Timo Bechert

Nik Dammermuth

human [huˈmaːn]

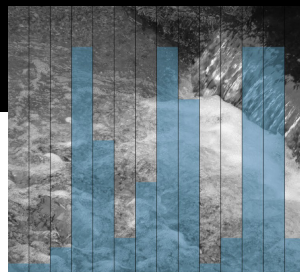sounds created by human (inter-)action. calculated during a period of visits. graphed by relative loudness.

animal [ˈænəməl]

sounds created by animal (inter-)action. calculated during a period of visits. graphed by relative loudness.

water [ˈwɔːtə]

sound of water. calculated during a period of visits. graphed by relative loudness.

noise [ˈnɔɪz]

artificial sounds. calculated during a period of visits. graphed by relative loudness. main source: construction work, motorised vehicles, bikes.

light [laɪt]

amount of light. calculated during a period of visits. graphed by relative brightness, by own perception.

flow [floʊ̯]

waterflow. calculated during a period of visits. graphed by relative speed of the river and amount of water in the river, by own perception.
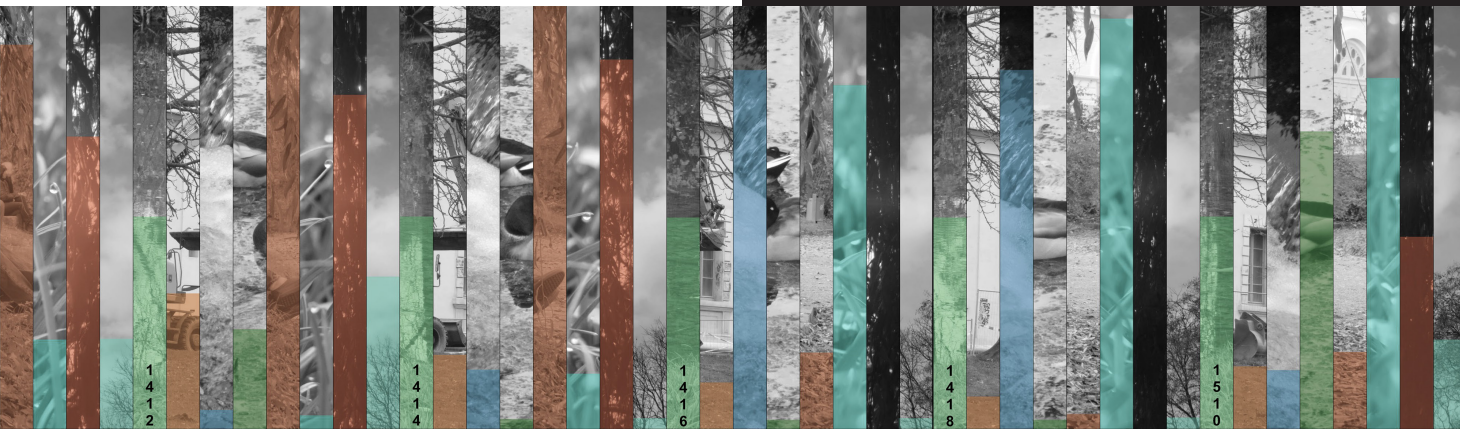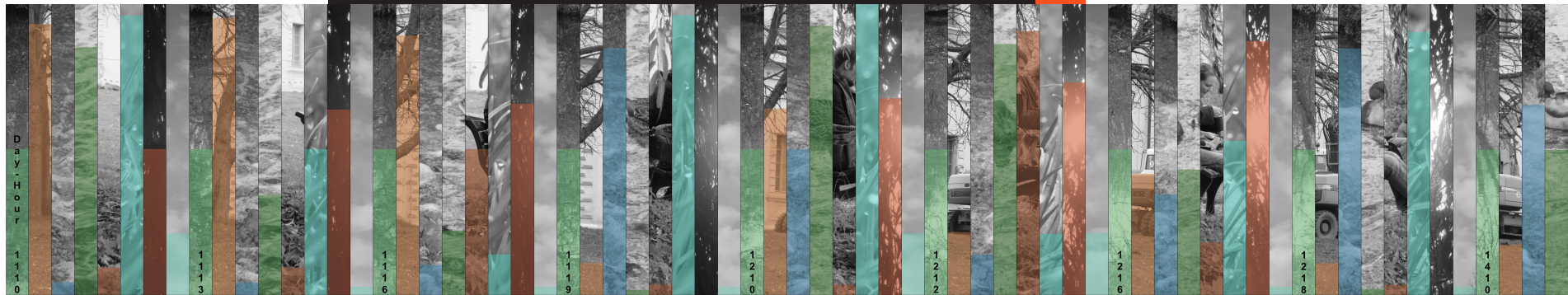
humid [huˈmiːt]

humidity. calculated during a period of visits. graphed by relative wetness of the lawn, by own perception.
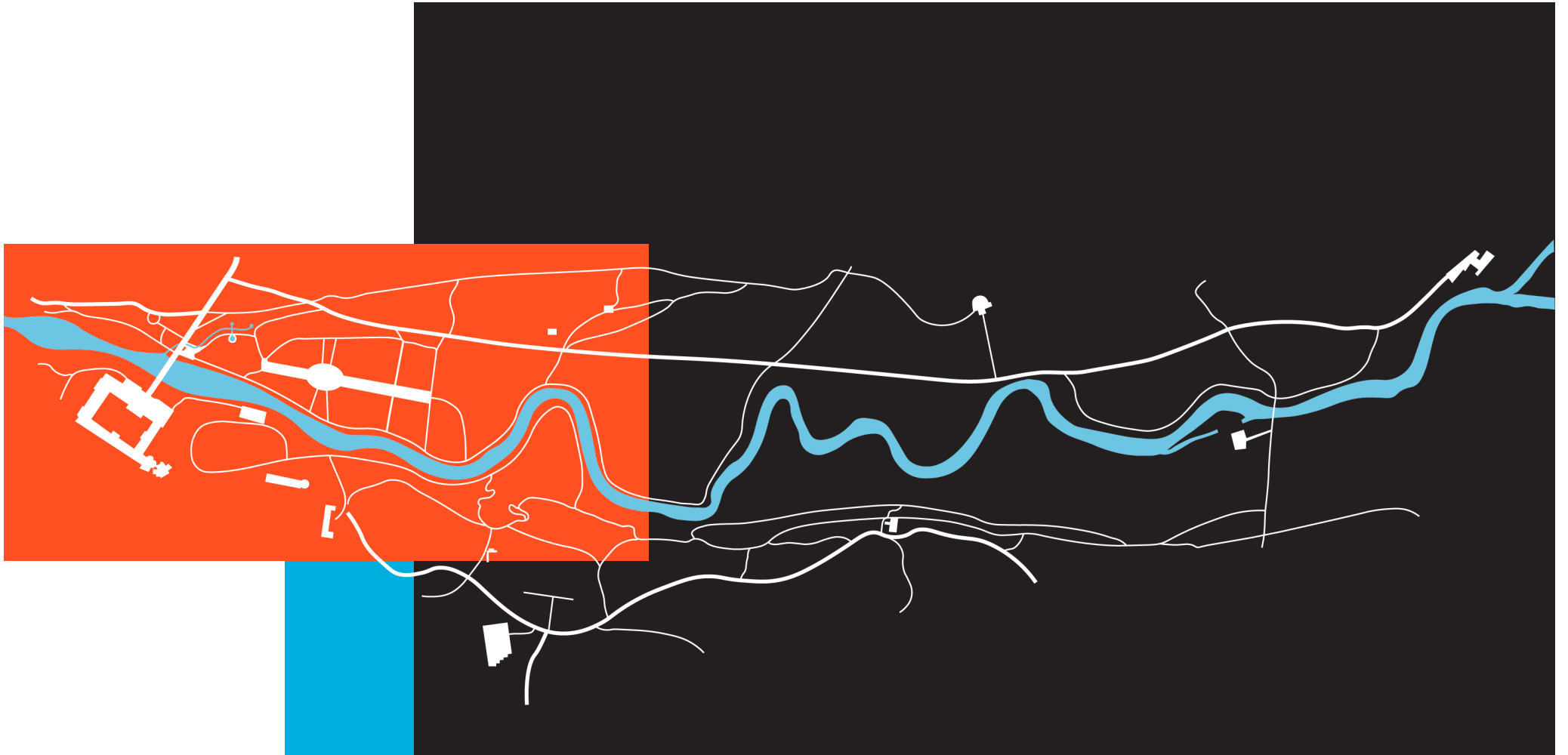
wind [ˈwɪnd]

sound of wind. calculated during a period of visits. graphed on own perception.
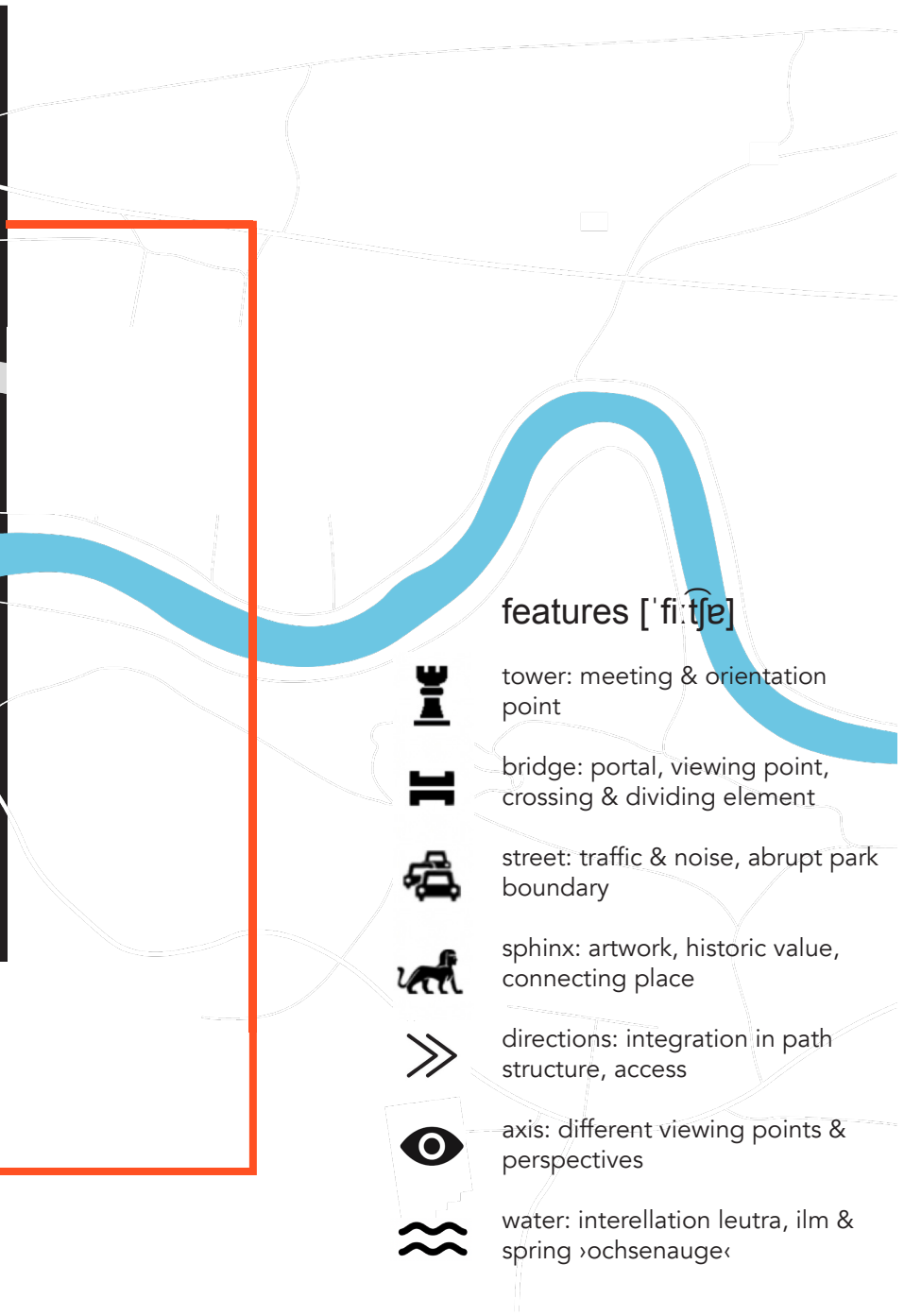
Day - Hour

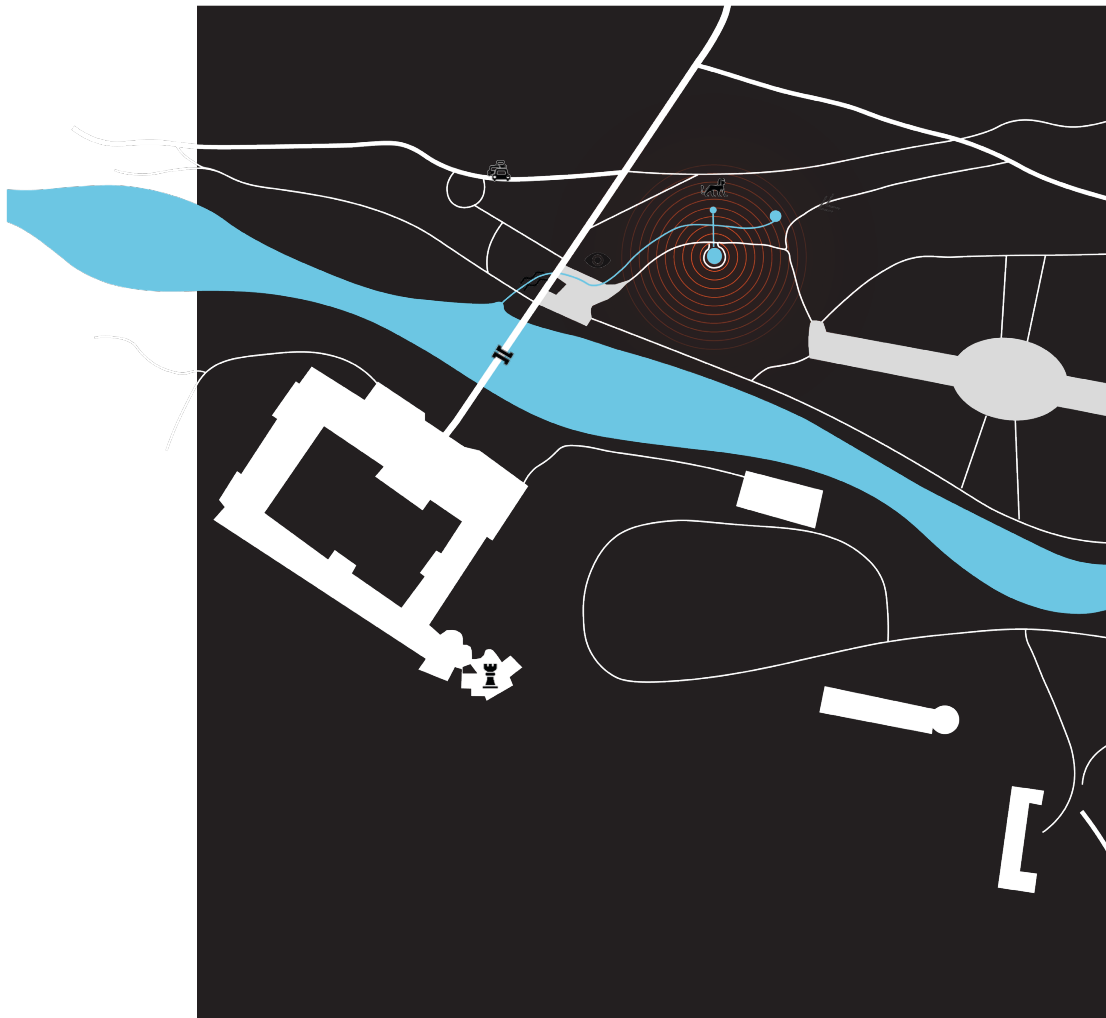1110 1113 1116 1119 1210 1212 1216 1218 1410

1412 1414 1416 1418 1510
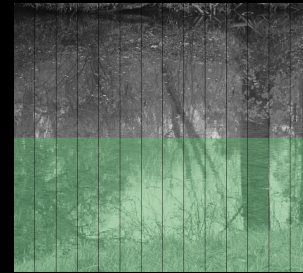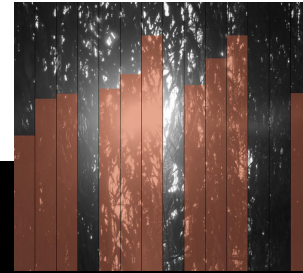
graph [gʁaːf]

documented visits. sorted by time and graphing matter. first two numbers depict the day in november – last two numbers depict the time of day data was taken in.

Ilmpark : The Location

features [ˈfiːtʃe]

tower: meeting & orientation point

bridge: portal, viewing point, crossing & dividing element

street: traffic & noise, abrupt park boundary

sphinx: artwork, historic value, connecting place

directions: integration in path structure, access

axis: different viewing points & perspectives

water: interellation leutra, ilm & spring ›ochsenauge‹

this could be mountains. or it could be your heartbeat. your heart pumping blood through your veins on each beat. 6 liters per minute – for a regular person.
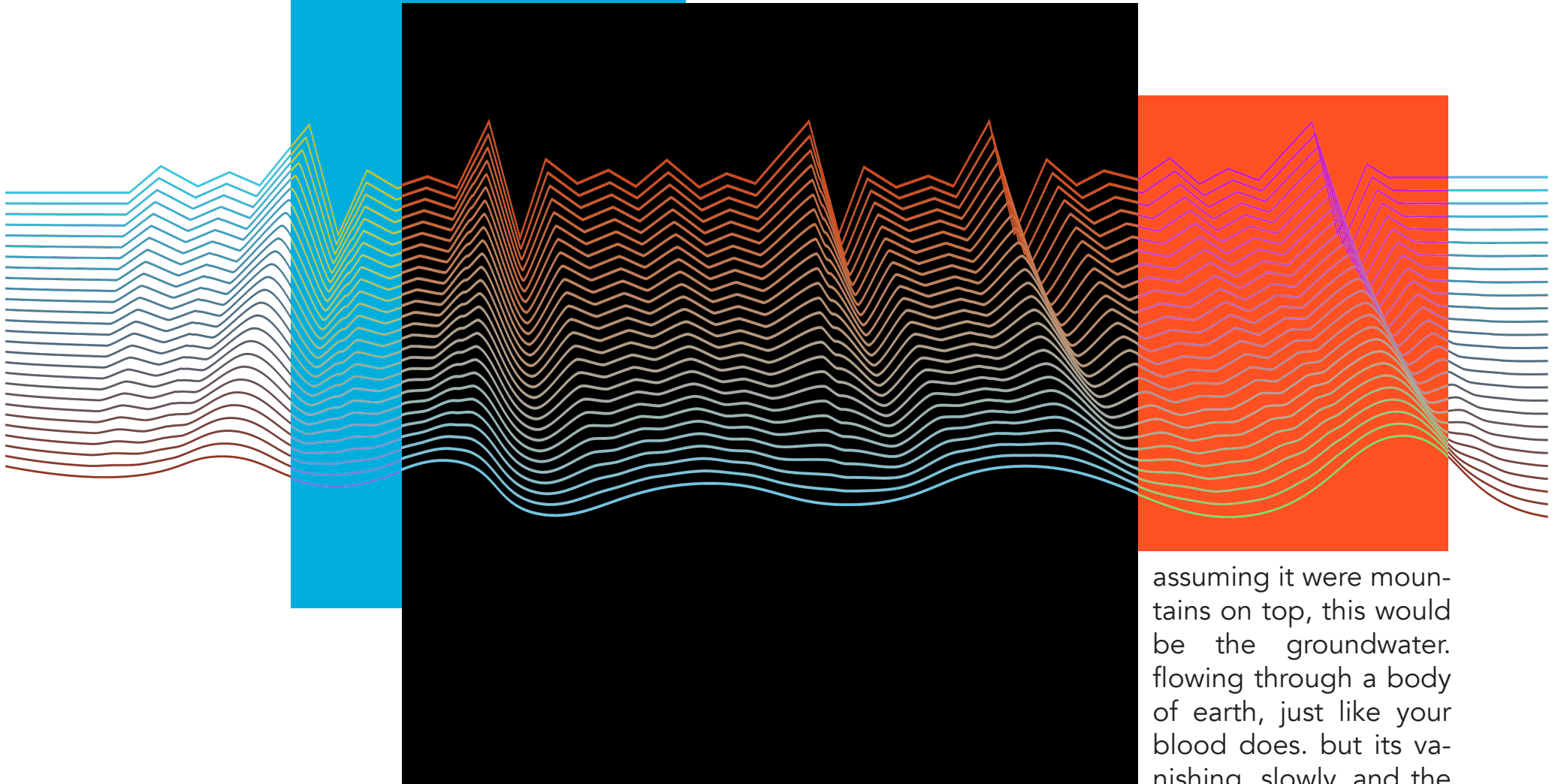
assuming it were mountains on top, this would be the groundwater. flowing through a body of earth, just like your blood does. but its vanishing. slowly. and the springs are d(r)ying.
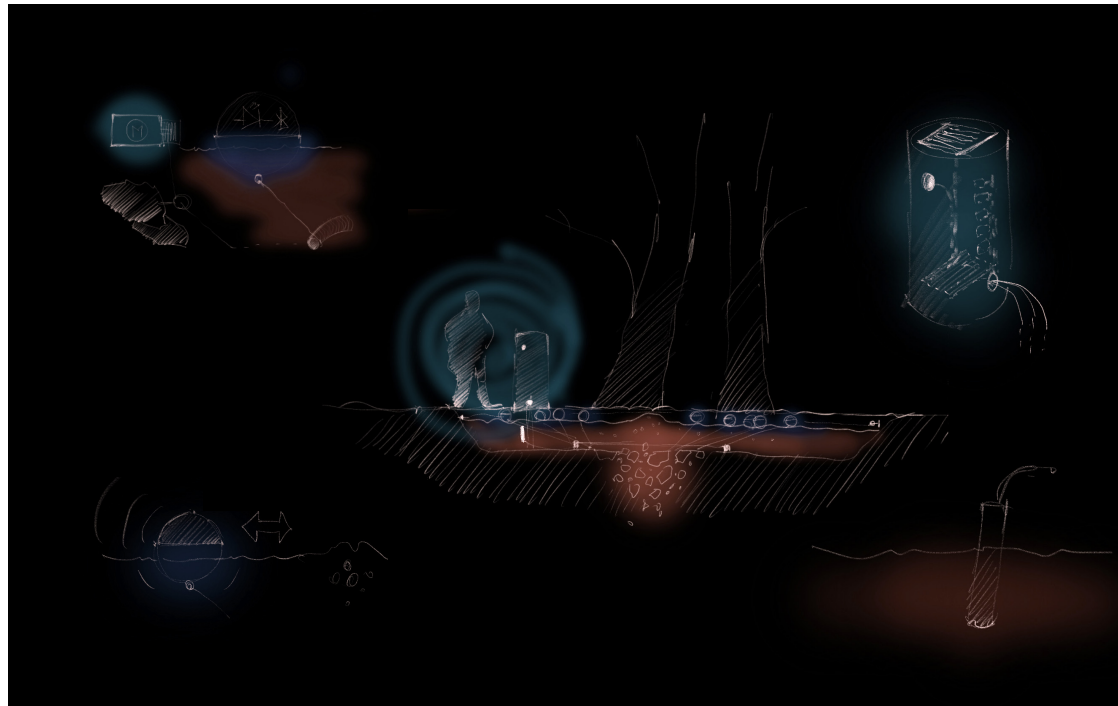
a rough sketch of installation components. a spring. outflowing water. a cylindric interface. glowing balls attached to cables. vague and indistinct.
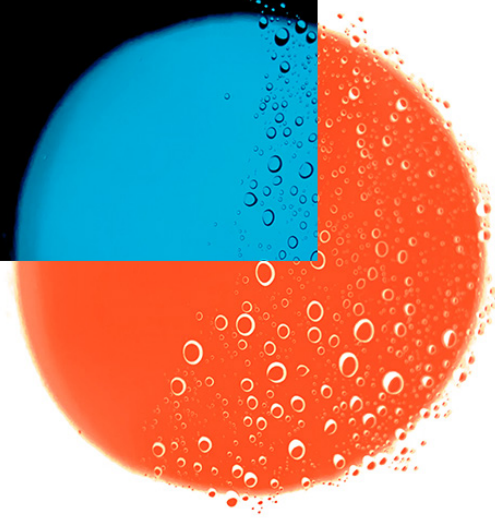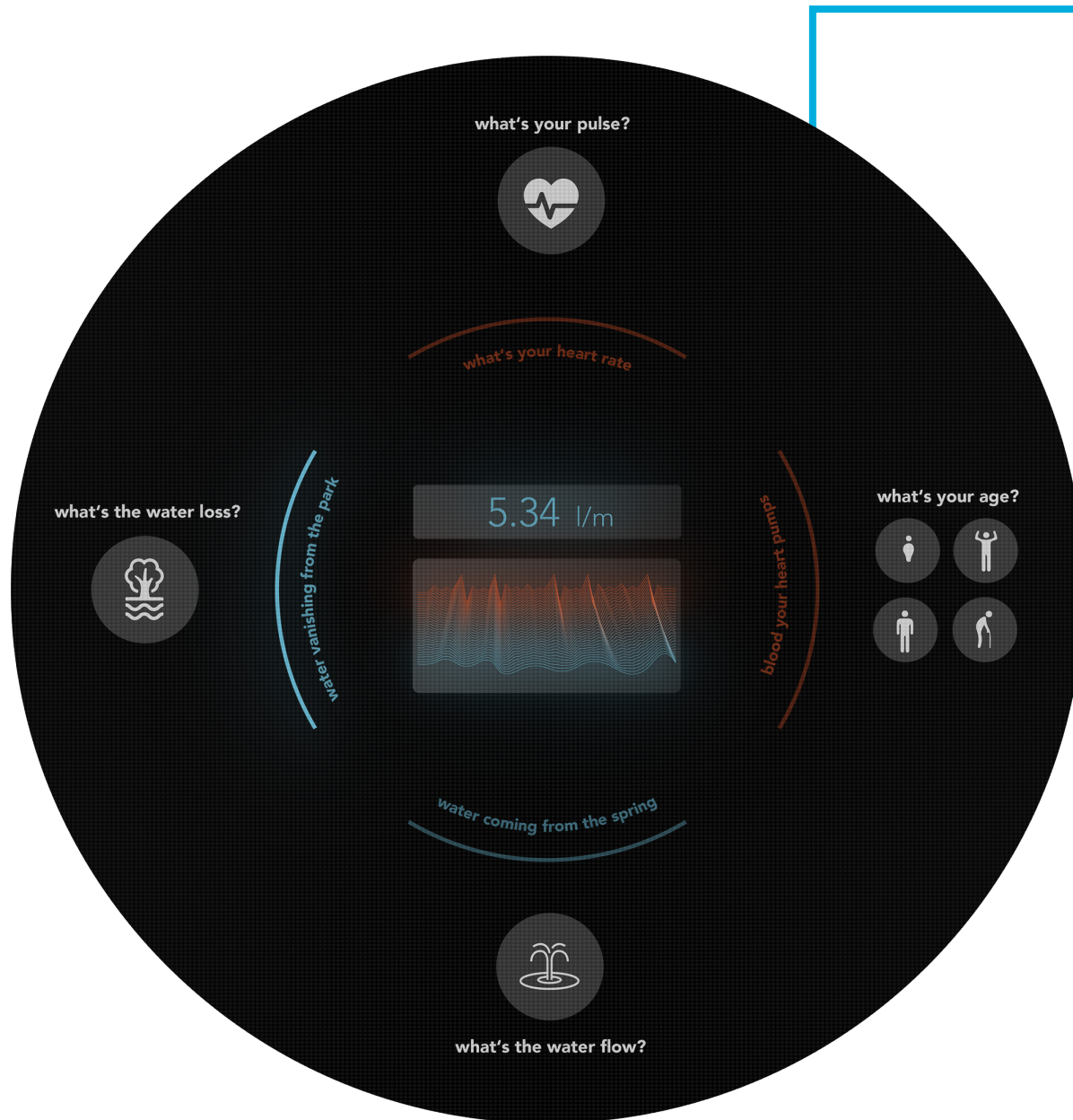
a circle of lights. growing and shrinking in diameter, depending on mode and incoming values. if your heart beat is measured, a blinking red – so you know its about you

...and the water you consume

Part 2

Proto
Type

Timo Bechert

Nik Dammermuth

interface [ɪntə(r)feɪs]

what's your pulse?

what's your heart rate

what's the water loss?

water vanishing from the park

5.34 l/m

blood your heart pumps

what's your age?

water coming from the spring

what's the water flow?

a prototype for the interface. round like a clock to make it easy to understand. you go clockwise, starting on top. first mode is heartrate. your pulse is measured and a value displayed. the balls start blinking with your heart. second mode is cardiac output. depending on your heartbeat a value is calculated. how much liter does your heart pump per minute? third mode shows the waterflow of the spring. fourth mode is dealing with the water loss. 5.34 liters of groundwater are disappeearing each minute from the park.

prototype components:

plastic aquarium, led pool lights controlled over radio frequency, fastening eyelets, nylon cable, arduino board, stepper motor, heart rate sensor, flow sensor connected to funnel, flexible tube, 433 mhz transmitter and receiver, connecting cables
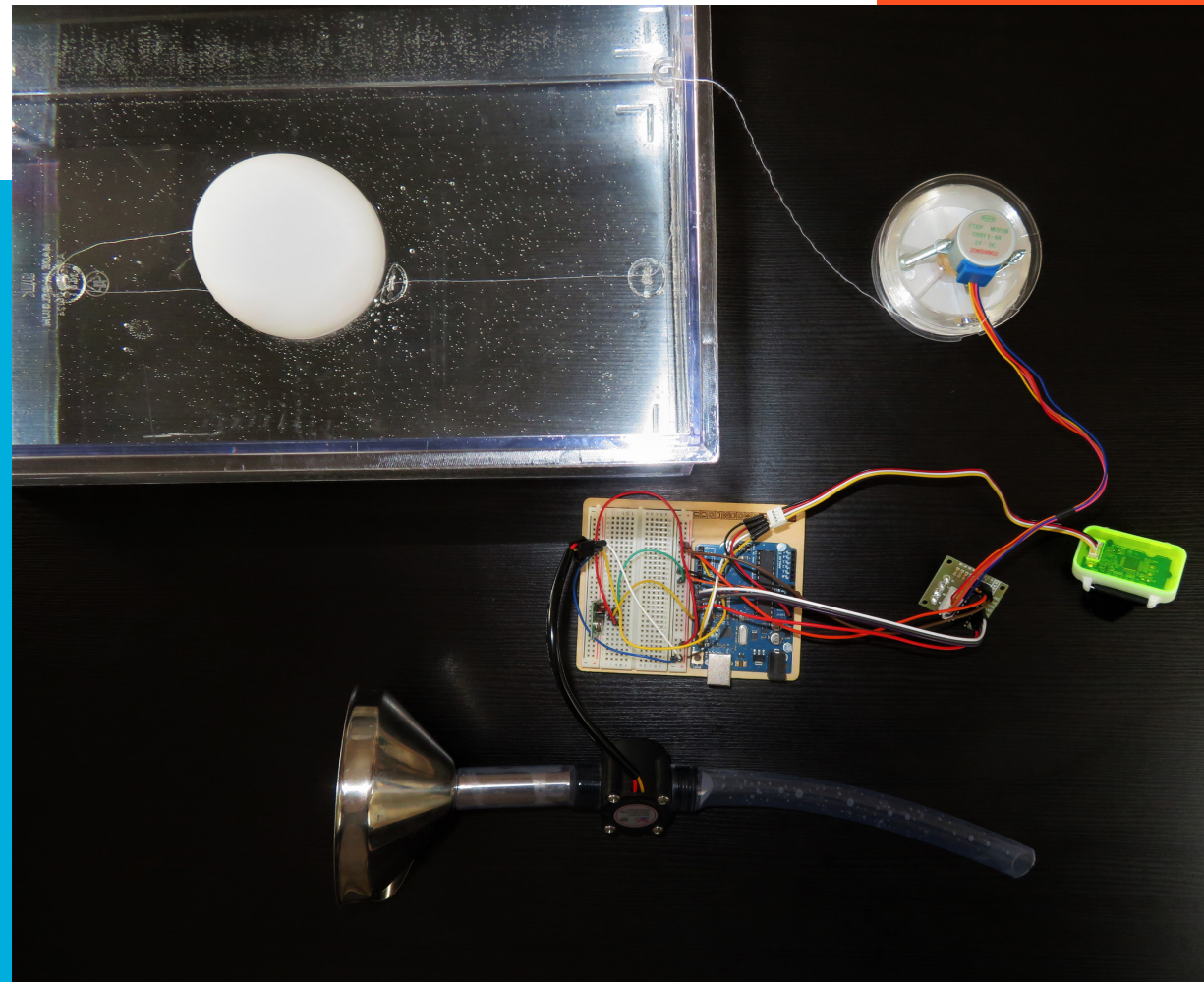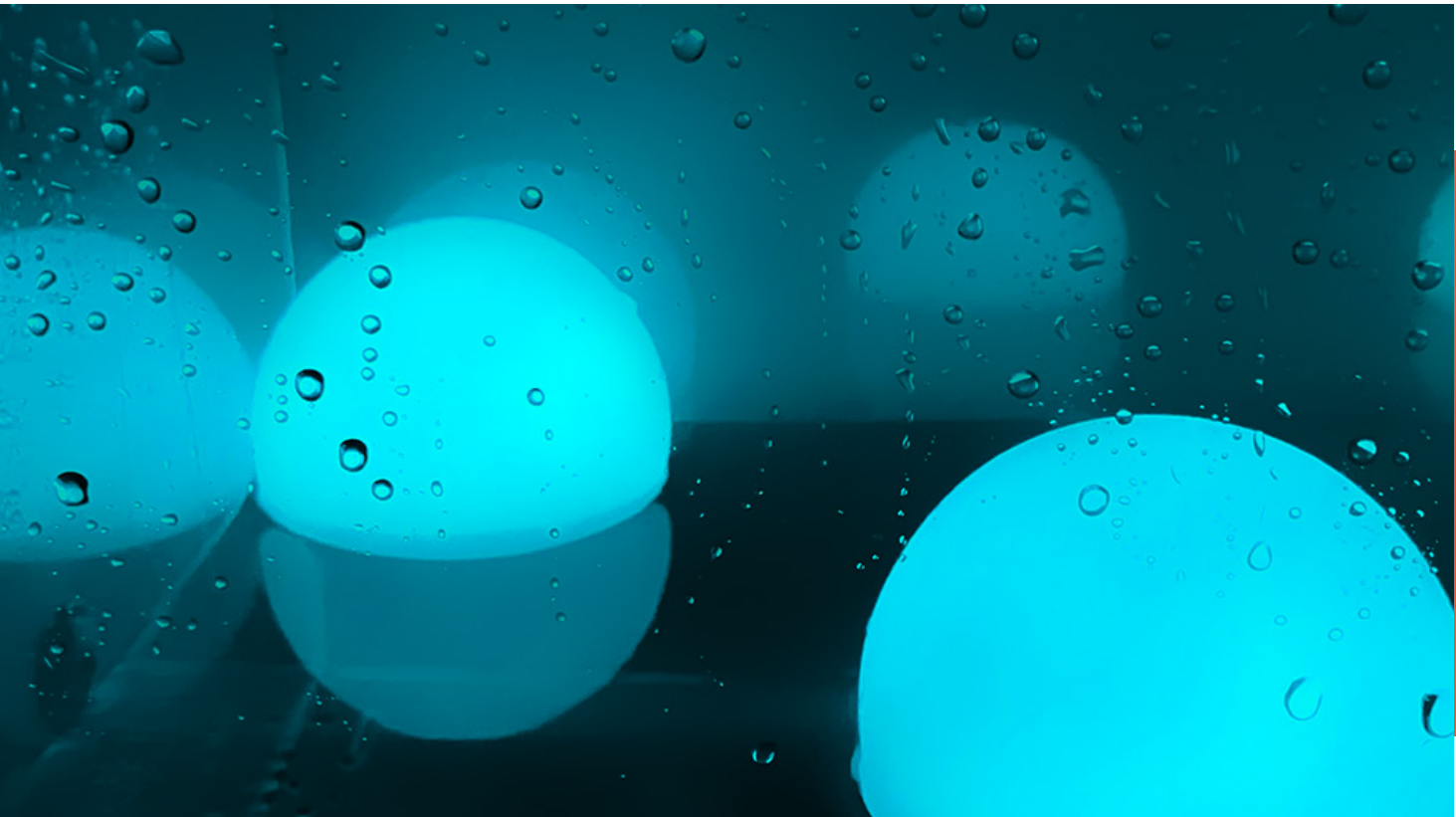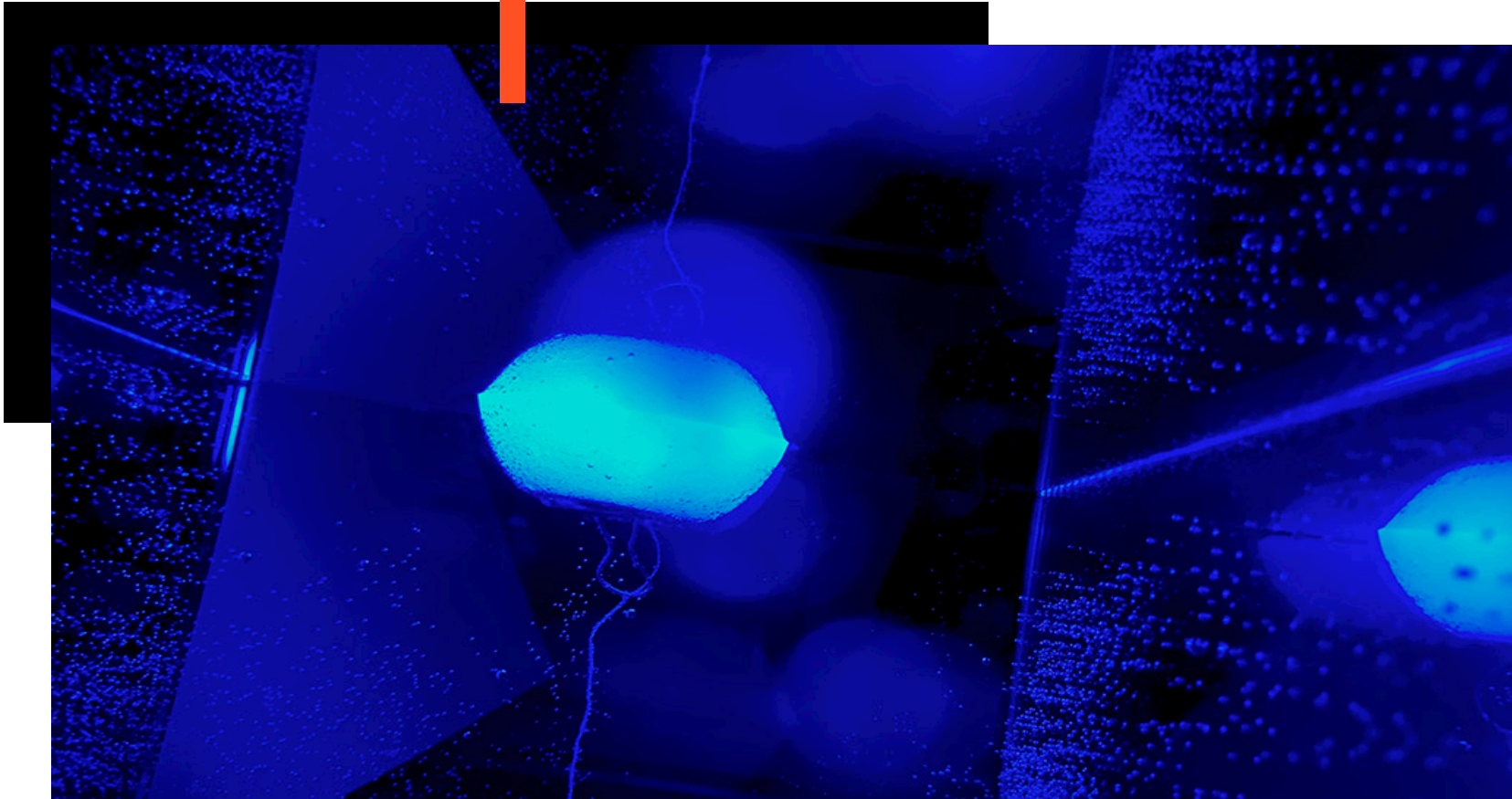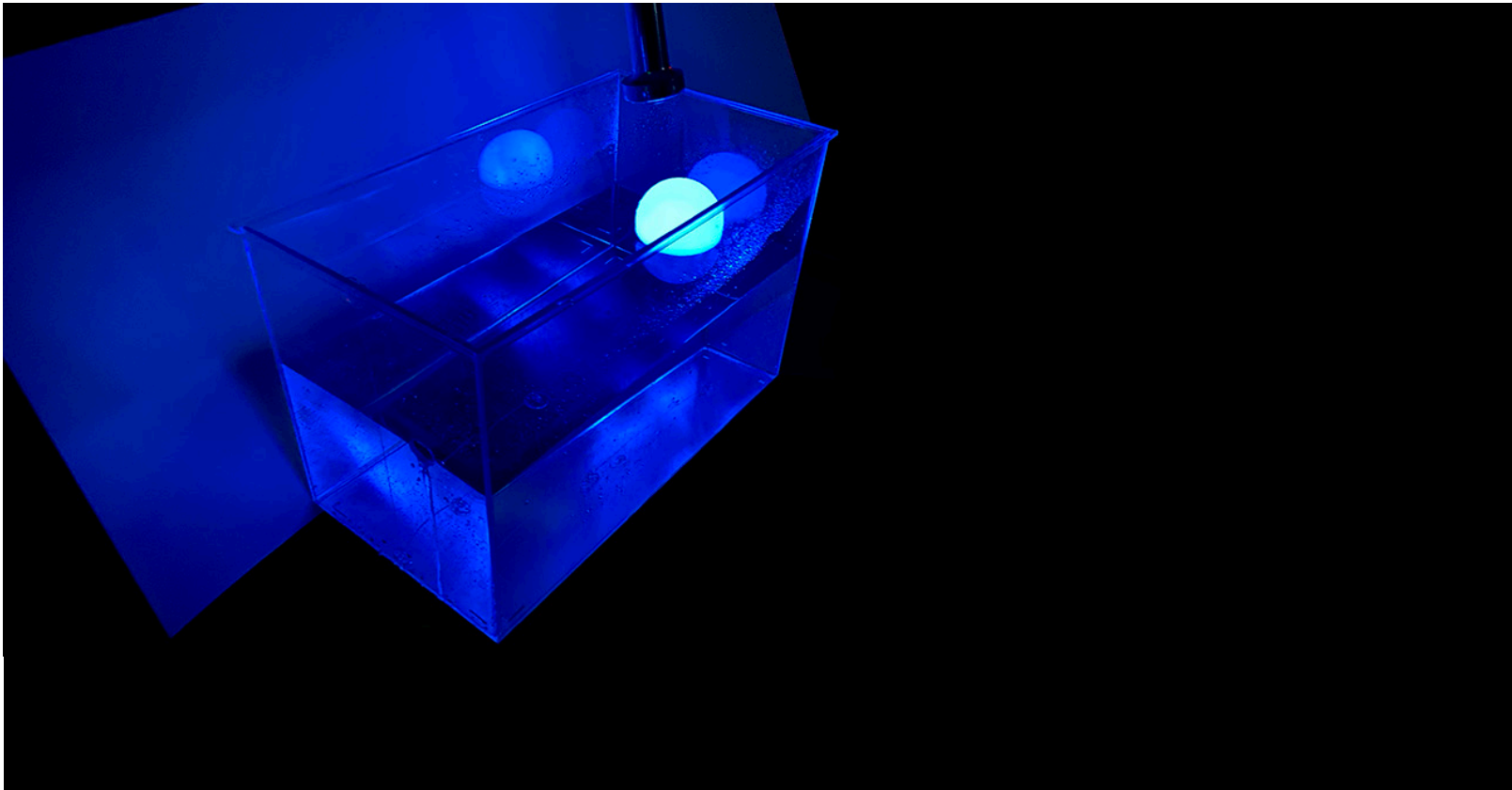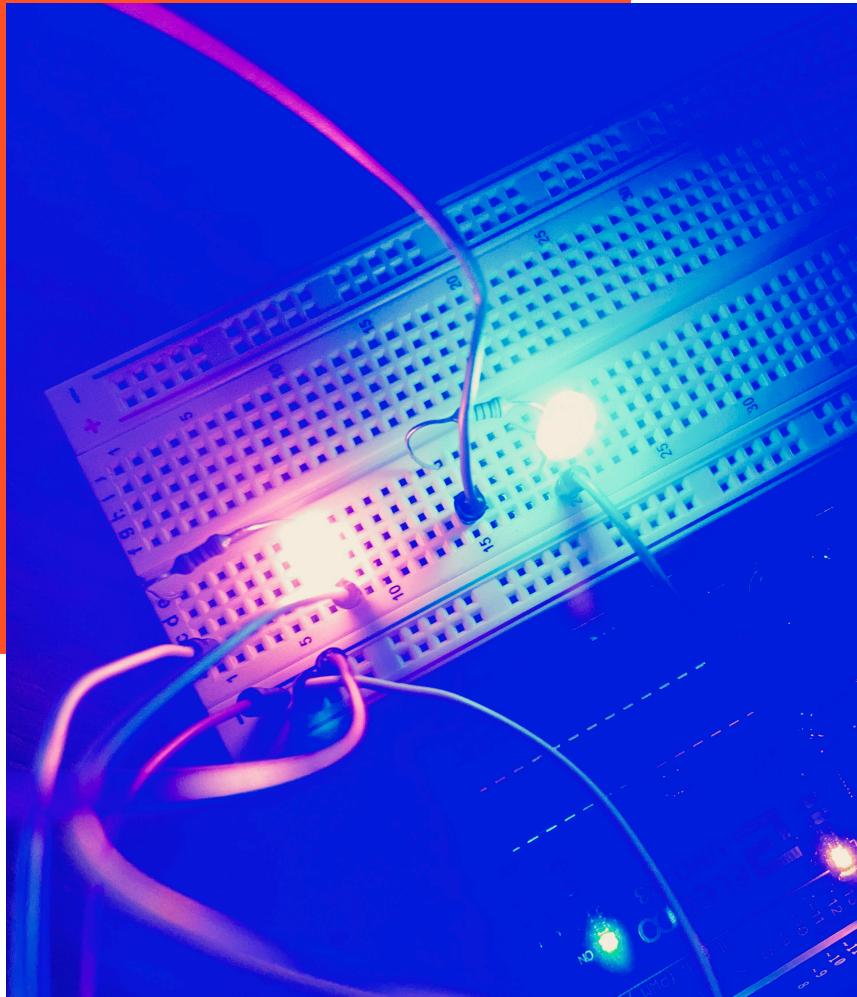
Photograph I : Lights

Photograph II | Reflections

Photograph III : Setup

estimated project cost:

arduino hardware, nema 23 stepper motor, attaching equipment, pk green floating lights, cover for electronics, heart rate sensor, open channel flowrate sensor, extras.

= 1.612 € =

application of media:

coding language processing is used to programm the prototyped interface. arduino software and hardware is used for all physical components of the prototyped installation. presentation uses photography, video, photoshop, illustrator and indesign.