

INTERFACE

DESIGN

INVISIBLE SWITCH

A controller, which works as a potentiometer. A ring connects with a phone or any other device and can be used to control the level of sound and have a function programmed for a button (e.g. a stop/play command). It would also have a small LED which would indicate programmed information (e.g. missed call for the phone).

QUOTE OF THE DAY
STAINED GLASS

AWAKENING BOARD

WALL CLOUD

LAMP TOY

LUMINESCENT SMART DOOR

Future Lab // Master Project WS 2013 // Interface Design

Bauhaus University, Weimar

TITLE

WINTER SEMESTER

2013/2014

CONCEPT

ART / DESCRIPTION

As usually all the best ideas are... we are lying down in a bed and trying to fall asleep. Most people are too lazy to wake, turn on the light and write down the ideas and there's a many of ideas are lost because of that.

A controller, which works as a potentiometer. A ring connects with a phone or any other device and can be used to control the level of sound and have a function programmed for a button (e.g. a stop/play command). It would also have a small LED which would indicate programmed information (e.g. missed call for the phone).

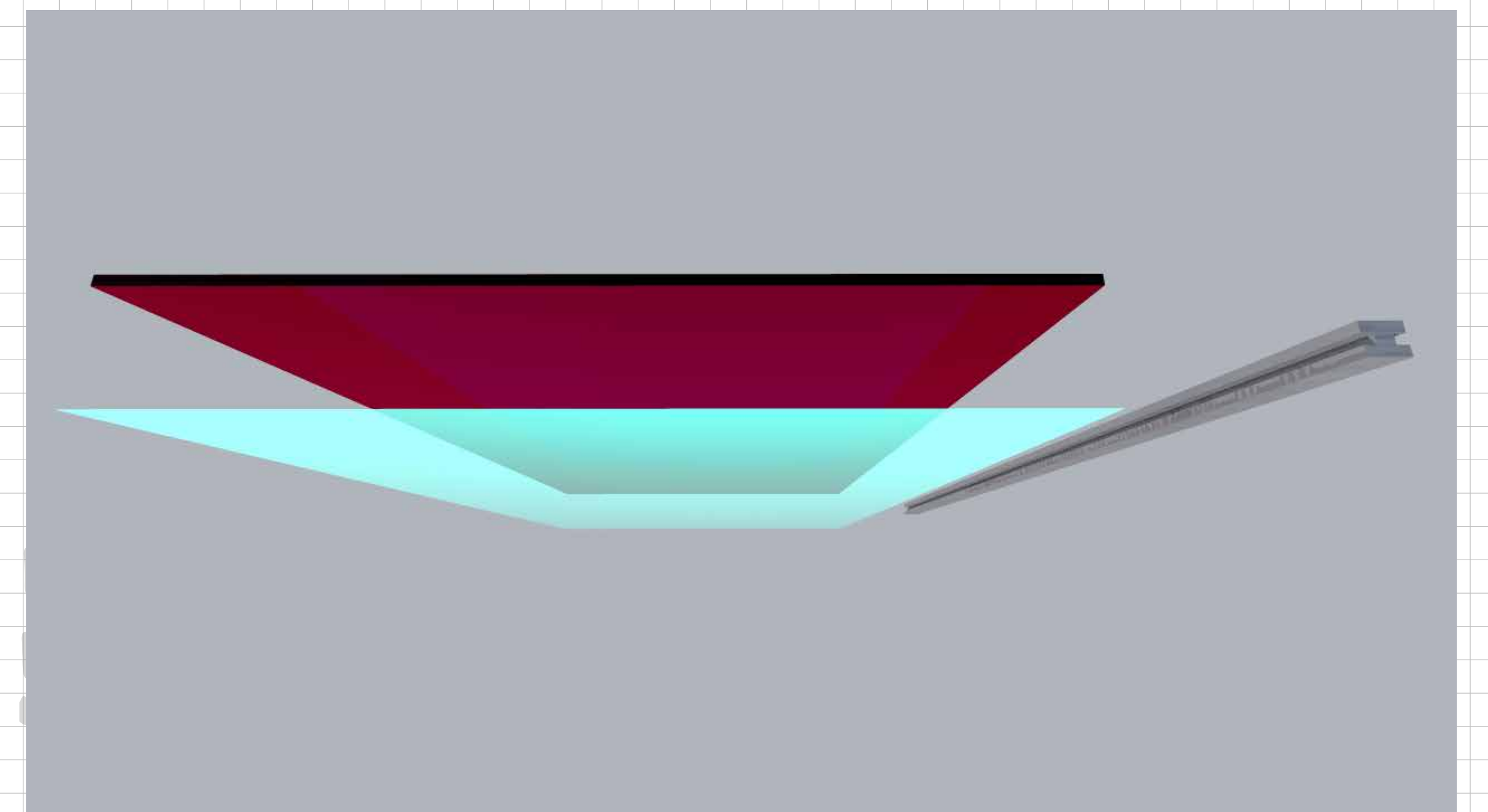
MASTER PROJECT

FUTURE LAB DESIGN TEAM //

PROF. DR. JENS GEELHAAR

STAINED GLASS + EL FOIL

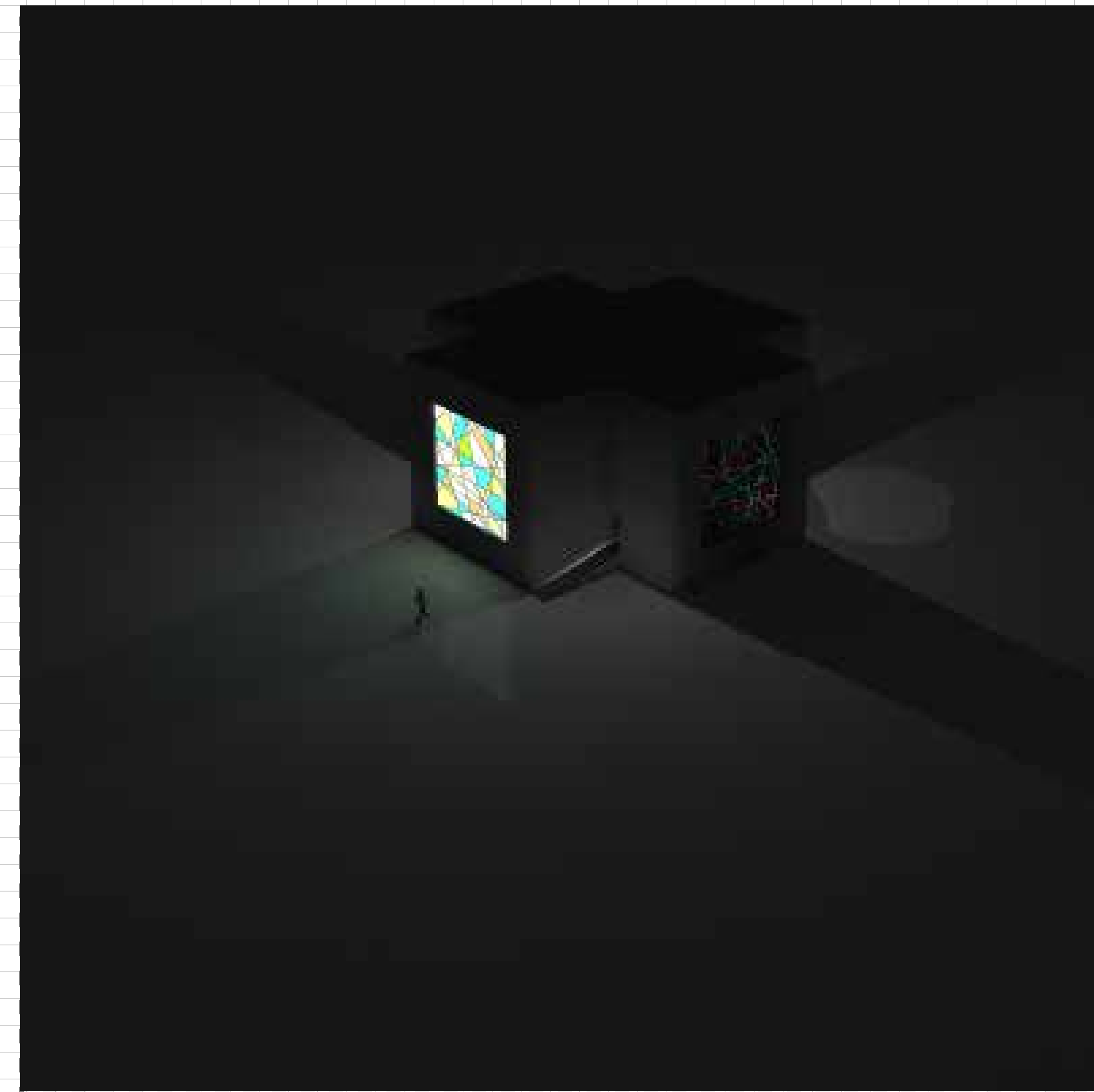
STAINED GLASS IS MADE OF GLASS, METAL FRAME AND PAINT. THE IDEA IS TO COMBINE STAINED GLASS WITH ELECTROLUMINESCENCE FOIL. A LAYER OF EL IS USED INSTEAD OF PAINT. IT GIVES THE EFFECT IN DAY TIME AND WHEN THE EL FOIL IS LIGHT UP.



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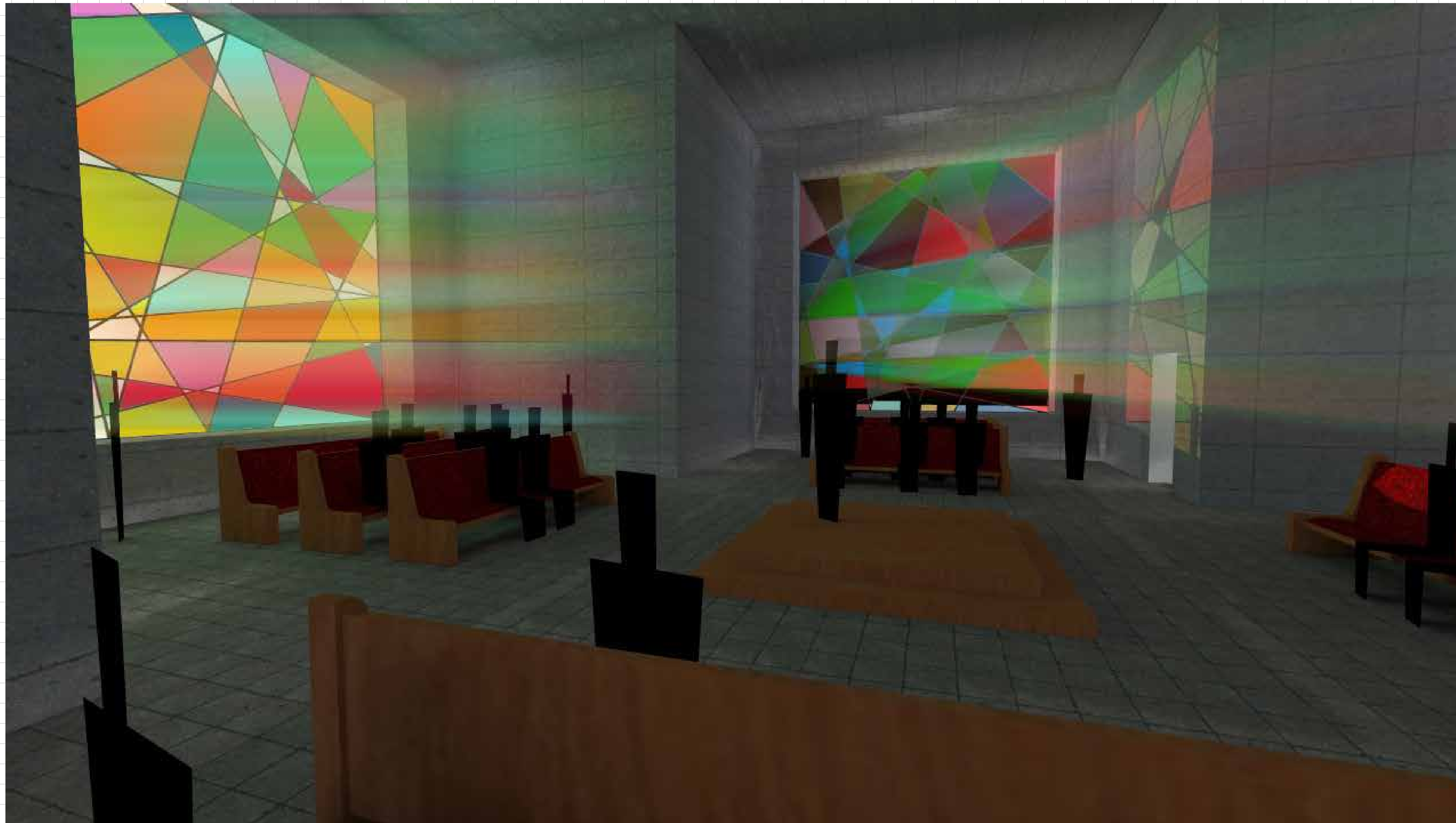
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AIDAS ČERGELIS



CONCEPT

Simetrical building with four facades faced to east, west, north and south. The north facade stained glass window with electroluminescent foil lights up at night.



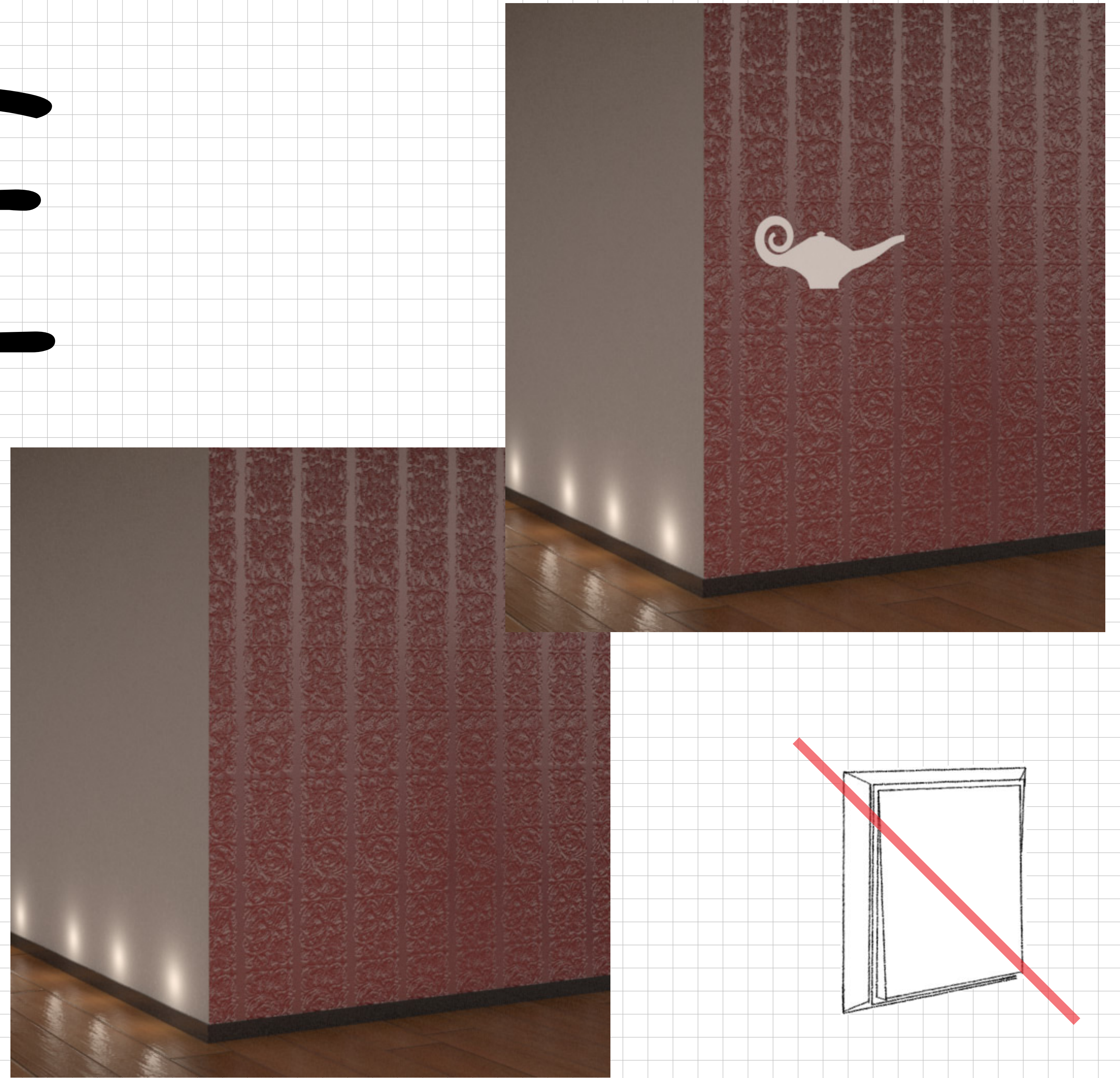
Interior in day time and night

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INVISIBLE SWITCH

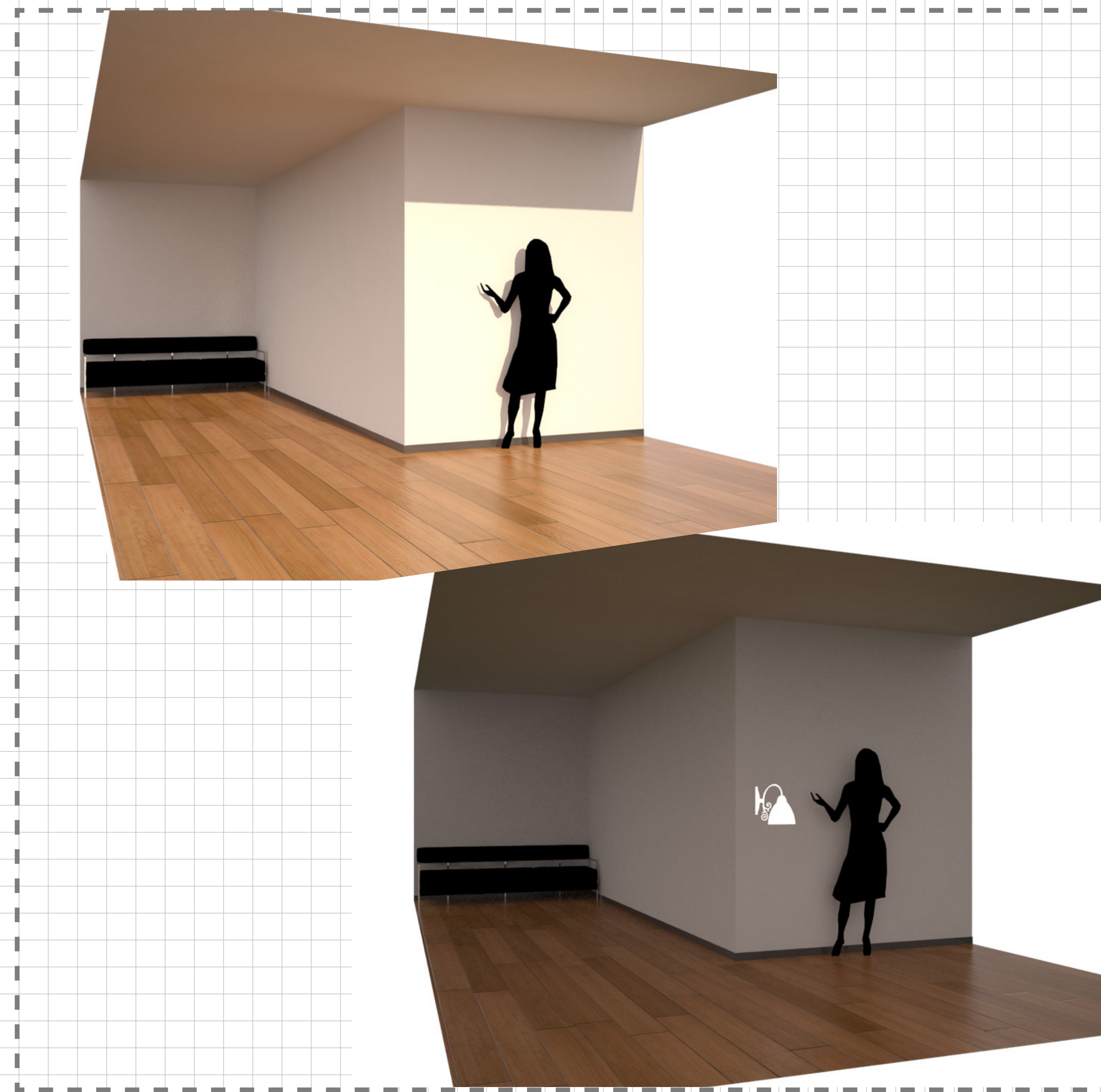
EXTENSION OF THE SMART HOUSE
SYSTEM ALLOWING TO
MAKE ELEMENTS
APPEAR ONLY WHEN
NEEDED



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JONAS LIDEIKIS



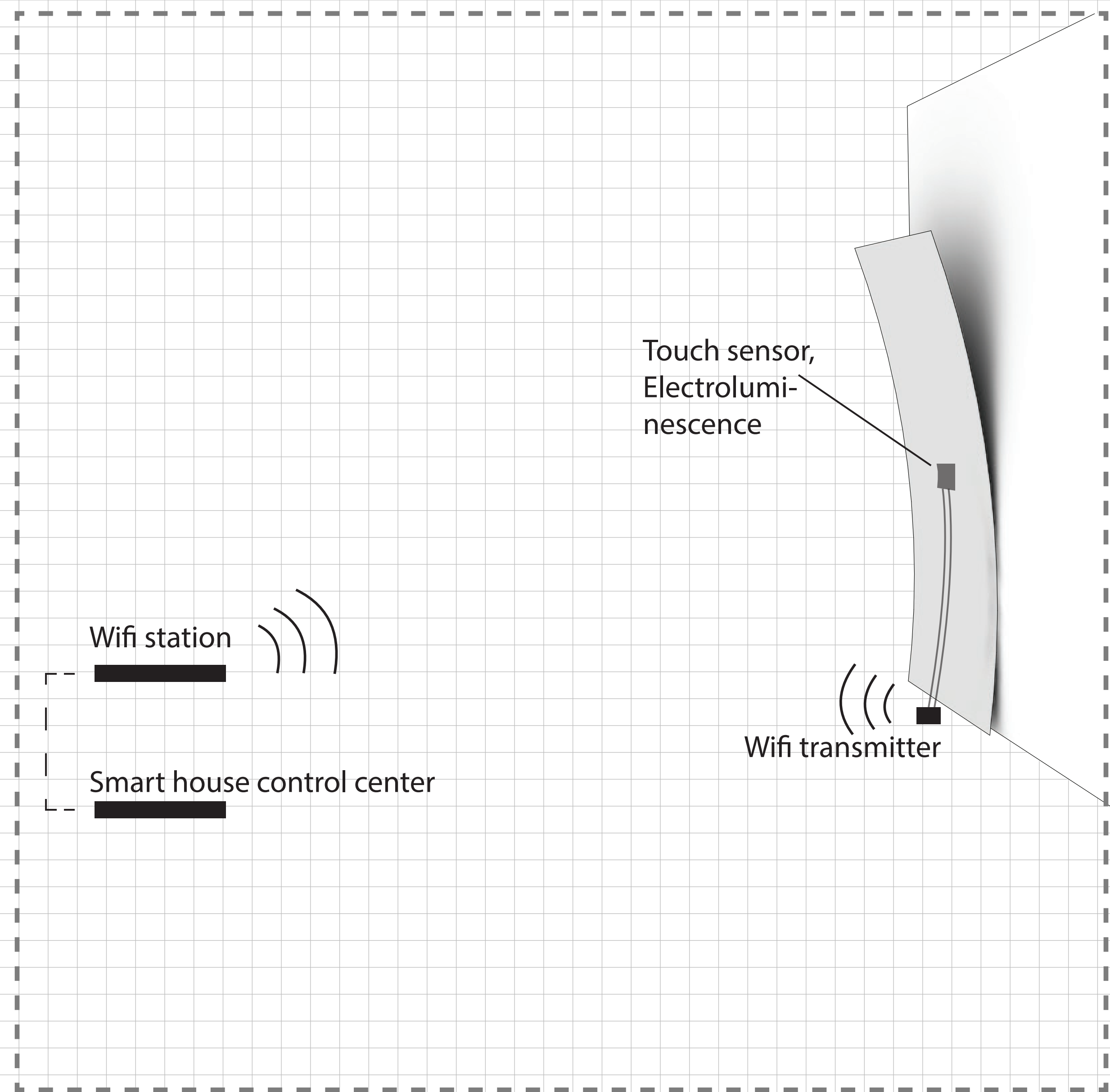
CONCEPT

A switch is installed into a sticky foil and connected to the smart house system. When it gets dark, the switch appears and once it is touched - it activates a certain preprogrammed function (turns on the light).



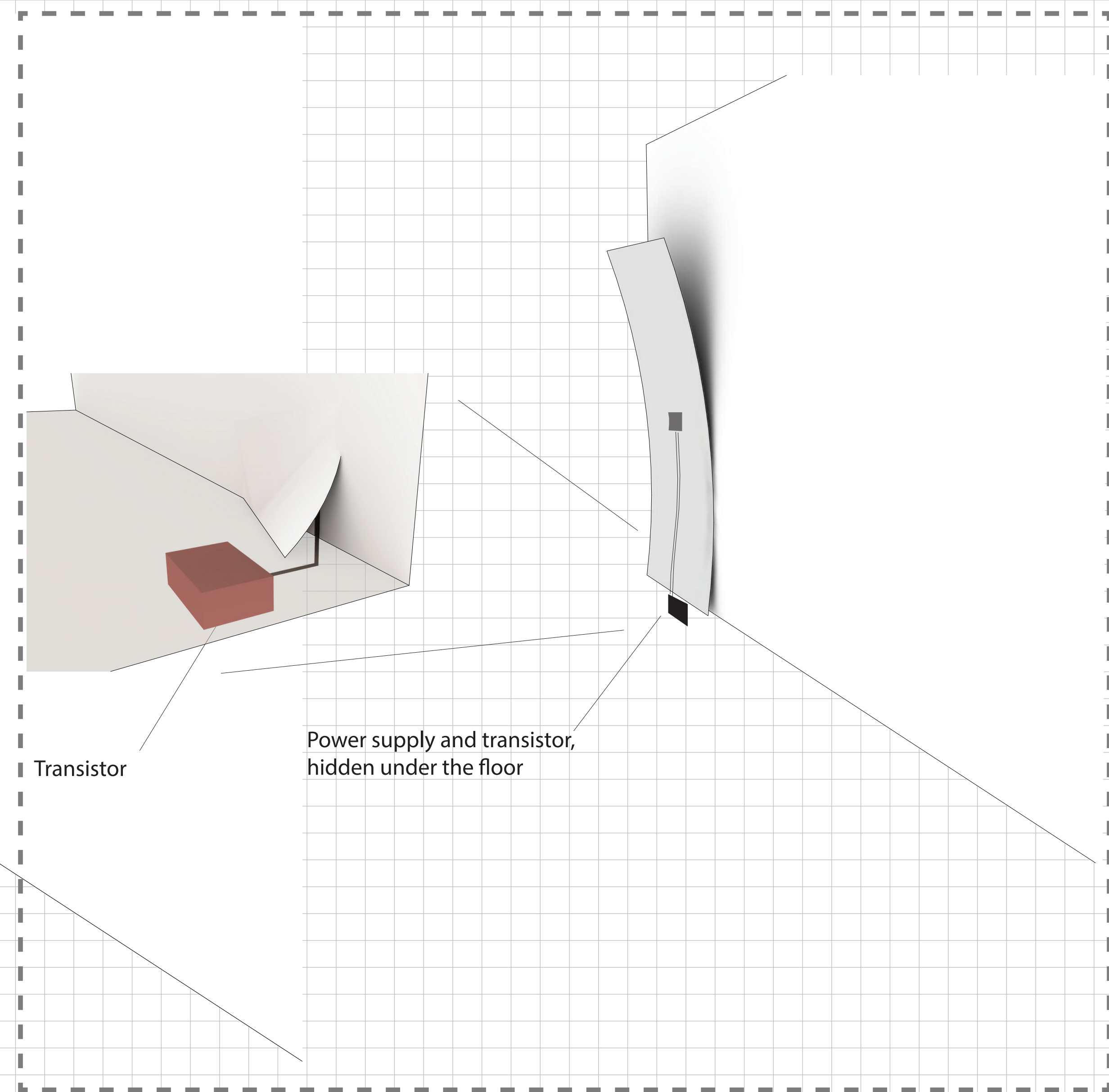
ADVANTAGES

- Free layout
- Programmable switches
- Switch serves both: functional and decorative purposes
- Only seen when needed
- Preserves clear and clean architecture of the space



TECHNICAL

By touching the touch sensor a certain function is sent via wifi network to the smart house control center to execute a certain function (e.g. light up the light, turn on the music, etc..)



INFO

Electroluminescence is powered by making a sticky foil large enough to reach electricity source (e.g. floor, ceiling)



VISUAL

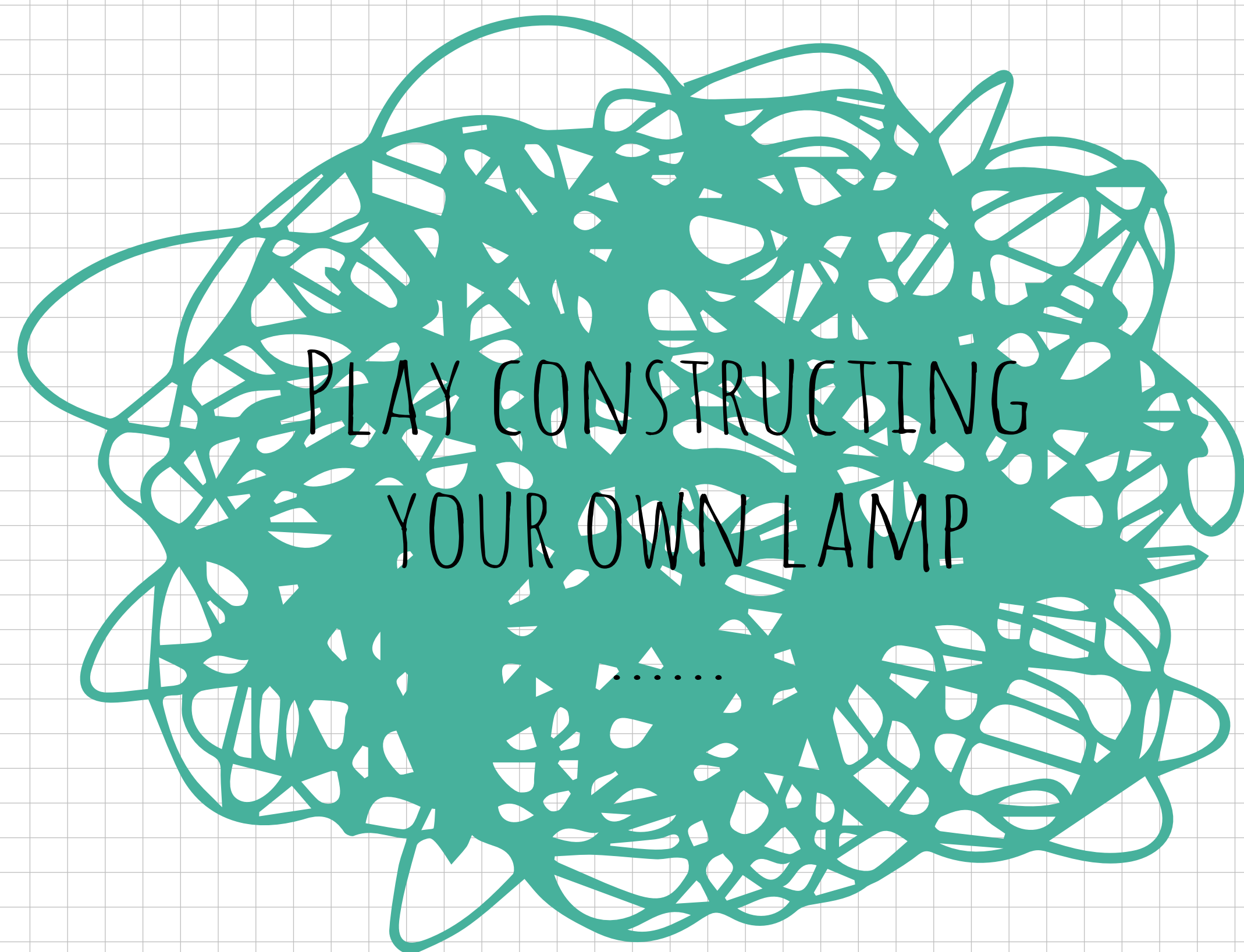
- Motivation/Inspiration (live healthy, be creative, etc..)
- Reminders (e.g close window before leaving, turn off some electronic devices, etc..)
- Visualization of information (any parameter of the smart house system)
- Abstract (decor..)
- Combined (e.g Information/ Inspiration/Decor)



COMMUNICATION

- Abstract ambient animation indicates the basic parameters of the smart house system ('heart of the house'). According to the type of animation it tells whether everything is optimal or not (e.g. smooth animation and blinking animation).
- It consists of three groups of squares, which are lit separately or in combinations. Therefore it is simple to operate.

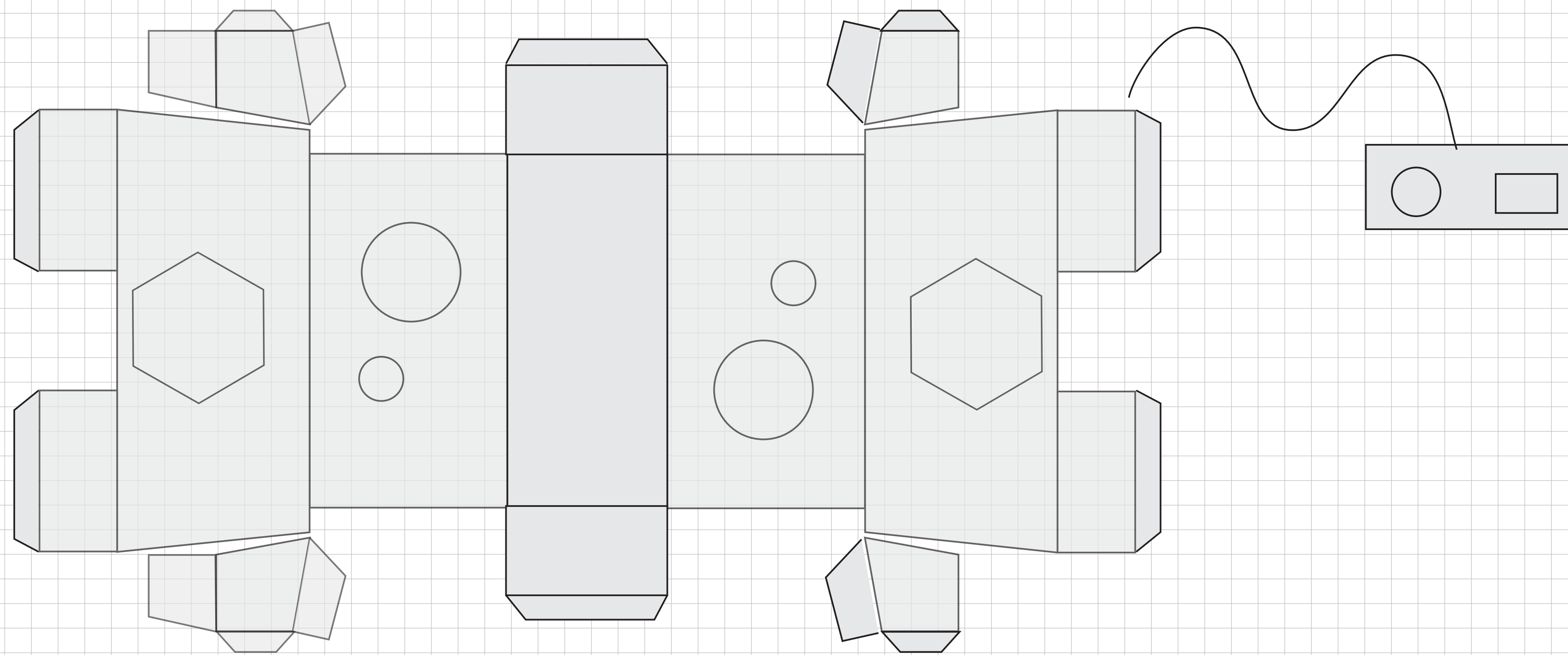
LAMP TOY



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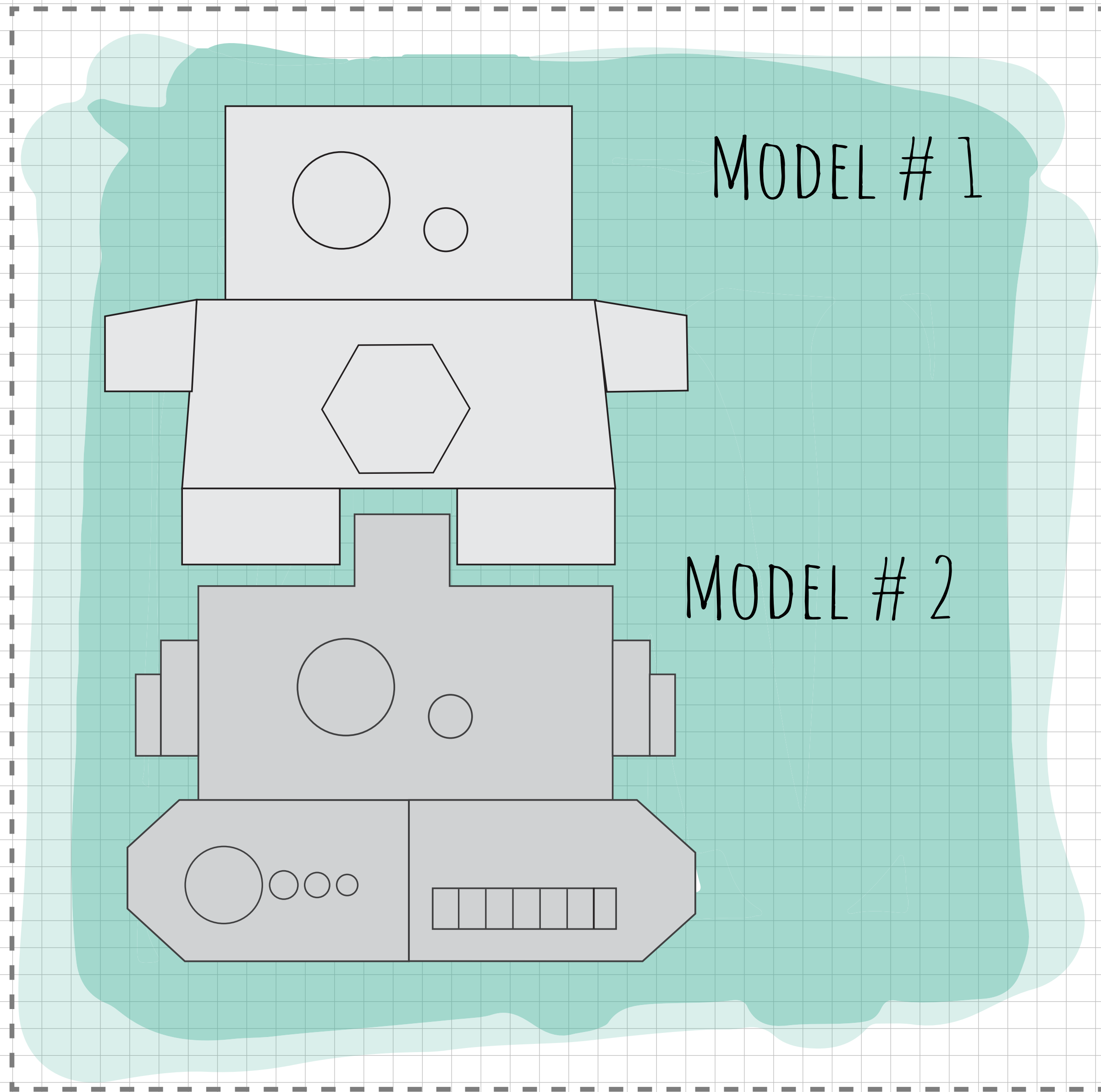
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NATALIA SUÁREZ



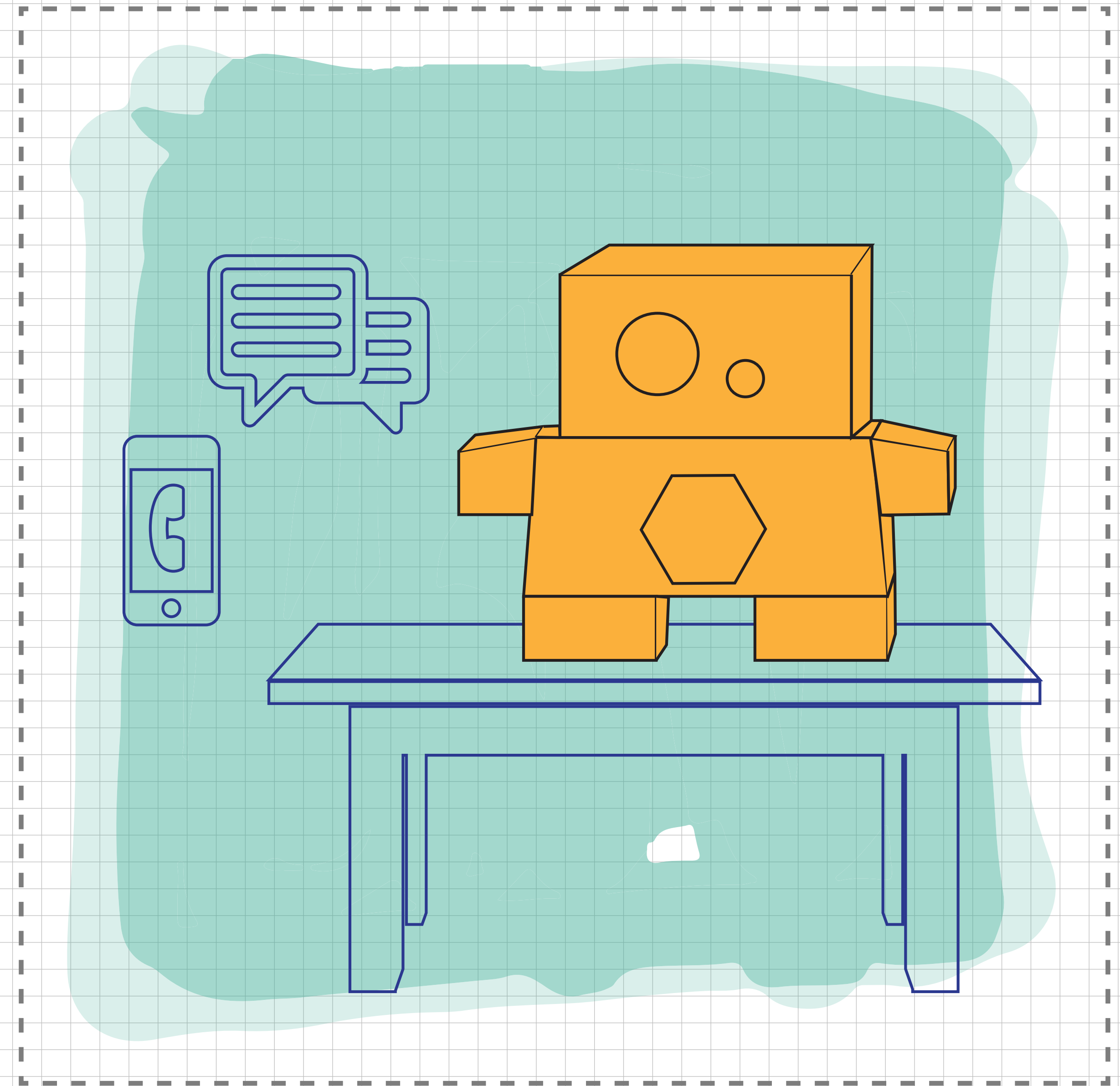
CONCEPT / DESCRIPTION

The idea Of the Project is to use Paper Toys design as Collectionable "Lamp" toys.
So the Light will be "Printed" in deco foils wich will have the Lamp Toy design (Illustrations, textures even White) and people also will have and instruction paper with intructions to create the 3D figure, as the regular Paper toy



MODULAR

After making ensambling the "Toy Lamp" people will be able to Conect it with the Switches or even with the internet or to my phone (and through an app, Maybe change between simple animations).



COMUNICATIVE

Another possibility of having not just one but may of this lamps is the idea to make it MODULAR so depends on the "Collection" the person would be able to stack them on side to side or up to down, making in that way a totally diferent lamp from others.



Paper toy
creaturekebab
We are paper Toys

"Paper Toys" and "Vinyl Toys" have become a new trend between young people surrounded by social Media



The use
of a special
Glue for
the lamp

communities and Artist Groups. These toys are developed as a Collectible Item or most of the time as a DIY Kraft (Do it Yourself). The basic idea with this kind of element is to construct it, assemble it, paint it, and have them as decorative pieces wherever you want, (Room, Kitchen,

Livingroom, Office, ...). The possibilities can be so variable that the market can be a constant growing market; big companies as designers will be able to develop their own modular system or design series. Thinking about a long future, it might be also possible to create a special lamp to be used just in certain places of the world, under water or in caves or why not even the moon, of course this special item will also have other technologies.



DESIGNER TOY

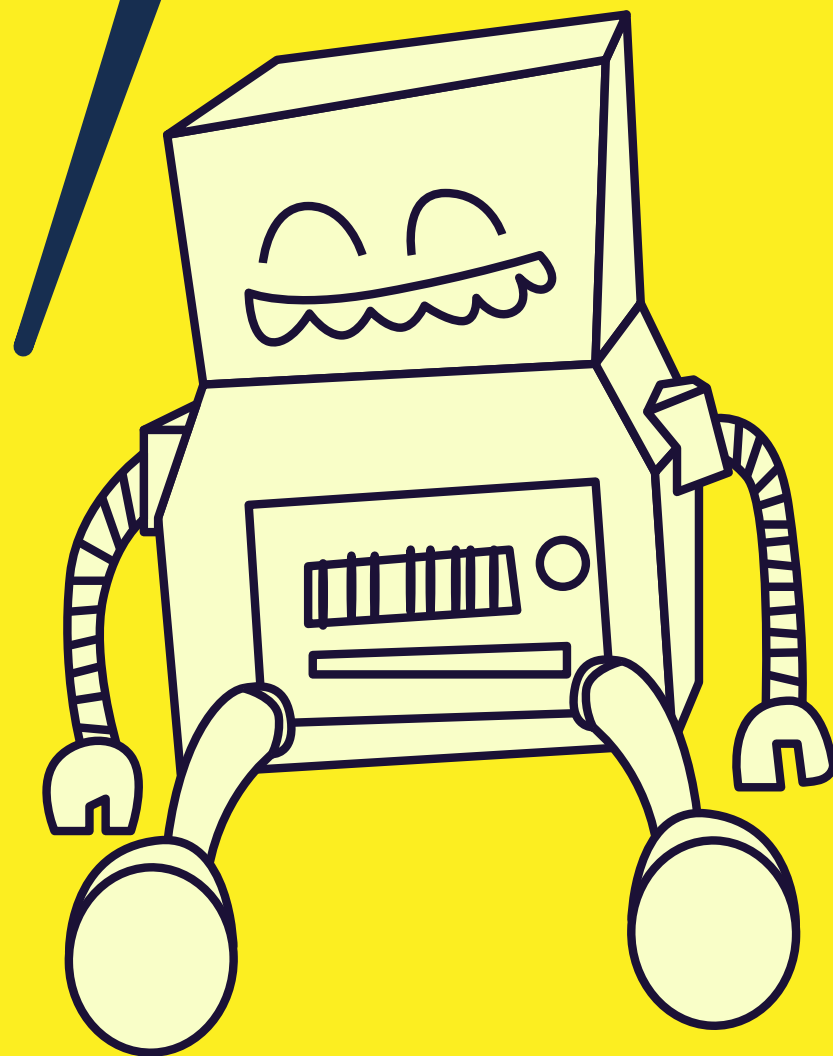
Designer toys are toys and other collectibles produced in limited editions (as few as 10 or as many as 2000 pieces) and created by artists and designers. Designer toys are made of a variety of materials; ABS plastic and vinyl are most common, although wood, metal, and resin are occasionally used. The term also encompasses plush, cloth and latex dolls. Creators of designer toys usually have backgrounds in graphic design, illustration or self-described low brow art; some are classically trained in art and design, while others are self-taught. Designer toys first appeared in the 1990s and are still in production today.

By Wikipedia. 15 November 2013. Creative Commons [consult 06.02.2014]. Available at: http://en.wikipedia.org/wiki/Designer_toy
Glue image. Creative Commons by Artist: Mattahan, Available at: <http://www.iconarchive.com/artist/mattahan.html>
Designer Toy (Elephant) Ganesha by Doze Green. This file is licensed under the Creative Commons Attribution. Wikipedia
El Loco Dunny by Tristan Eaton. Lpoon. This file is licensed under the Creative Commons Attribution. Wikipedia

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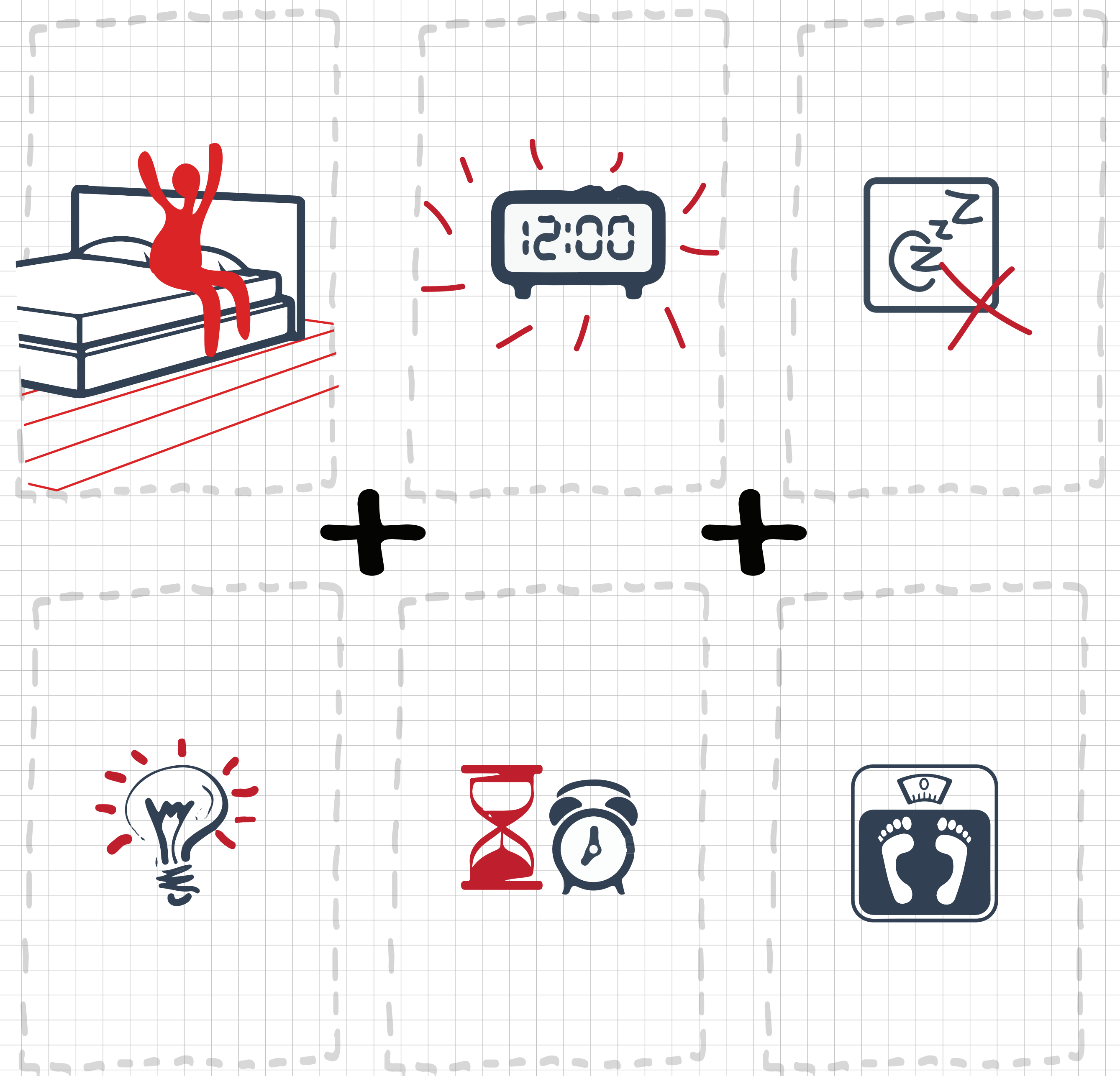
Lamp Toy



MAKE YOUR
OWN LAMP

AWAKING

BOARD

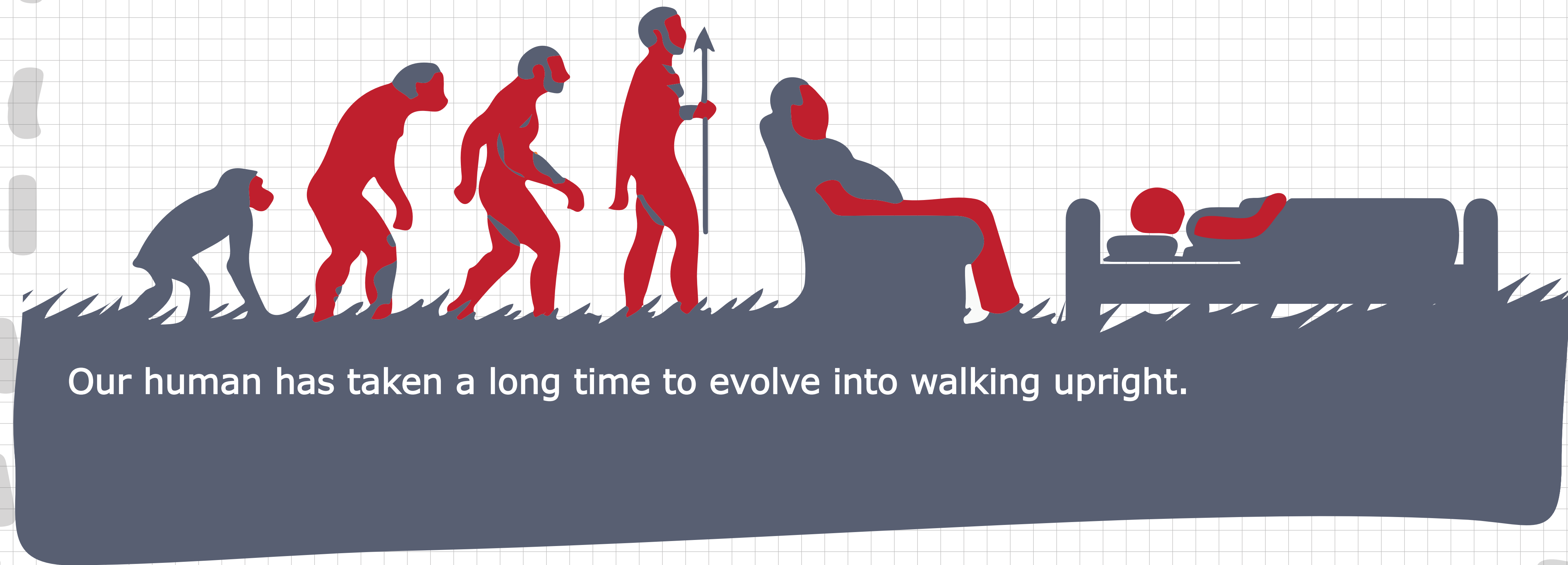


HELPS YOU TO
GET OUT OF BED
FASTER AND MORE EFFICIENTLY

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LEI ZHANG

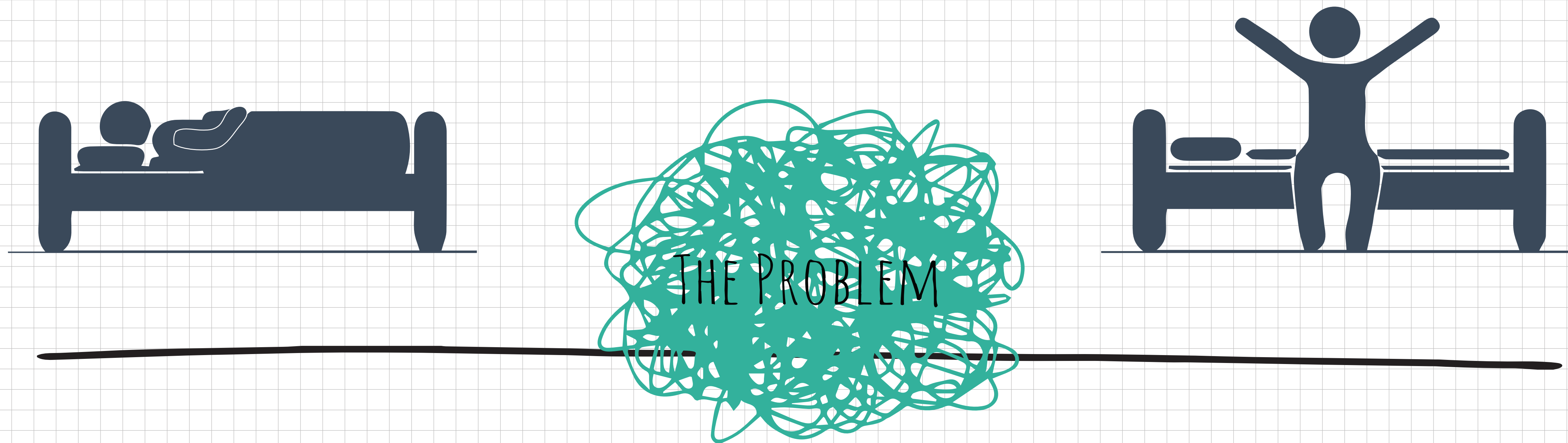


Our human has taken a long time to evolve into walking upright.

THE PROBLEM

Today, snoozing before officially getting out of bed is a pretty standard practice.

Weird but true:
Relying on the alarm clock's snooze button can actually
make us more tired.



What helps us to get out of bed faster and more efficient?

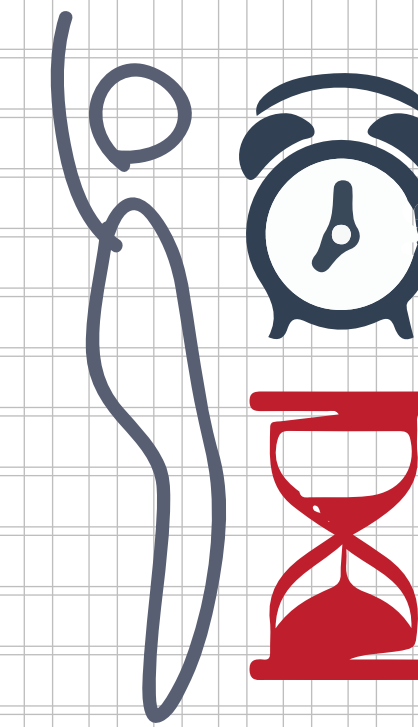
NO SNOOZE BUTTON



SHOW THE TIME



FORCE YOU STAND UP FOR A SHORT WHILE.



+

+

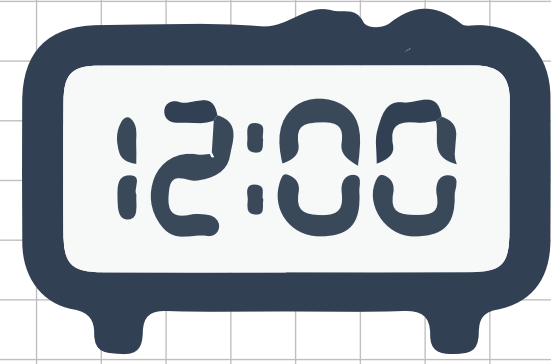
WHY COULD NOT WE COMBINE ALL THIS TOGETHER?

+

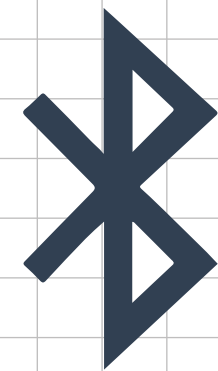


THE BEHAVIOR IS SIMILAR TO MEASURING WEIGHT.

THE SOURCES OF INNOVATION



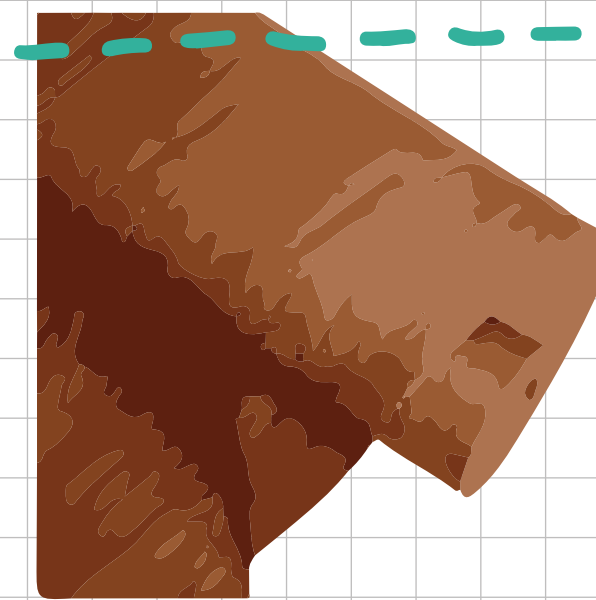
Electrical Clock



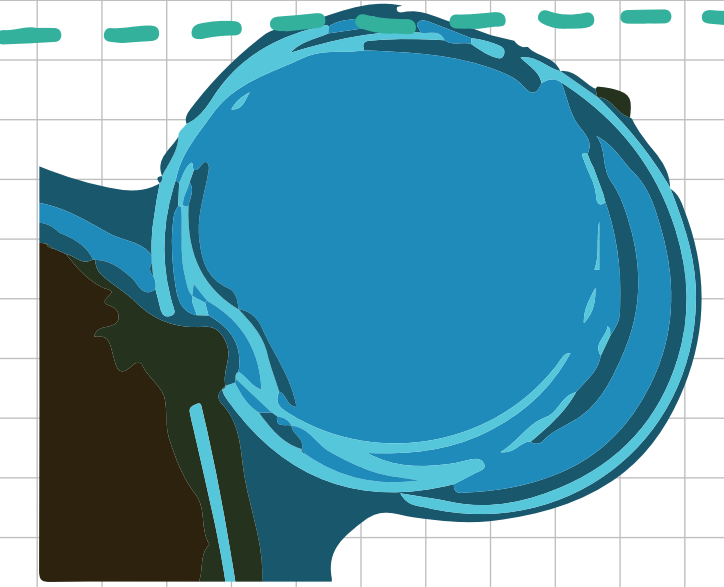
Bluetooth



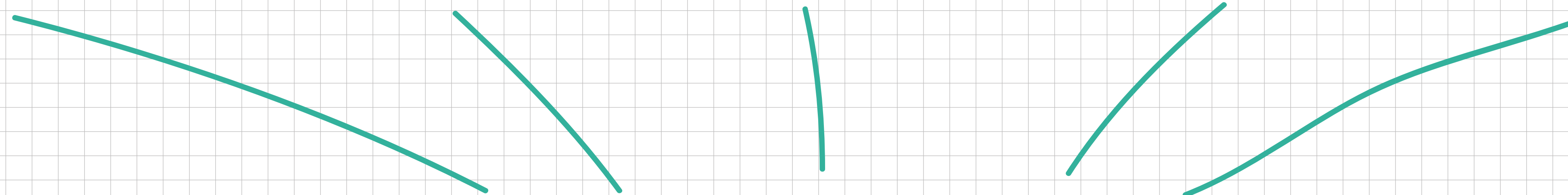
Human Electronic Weigher



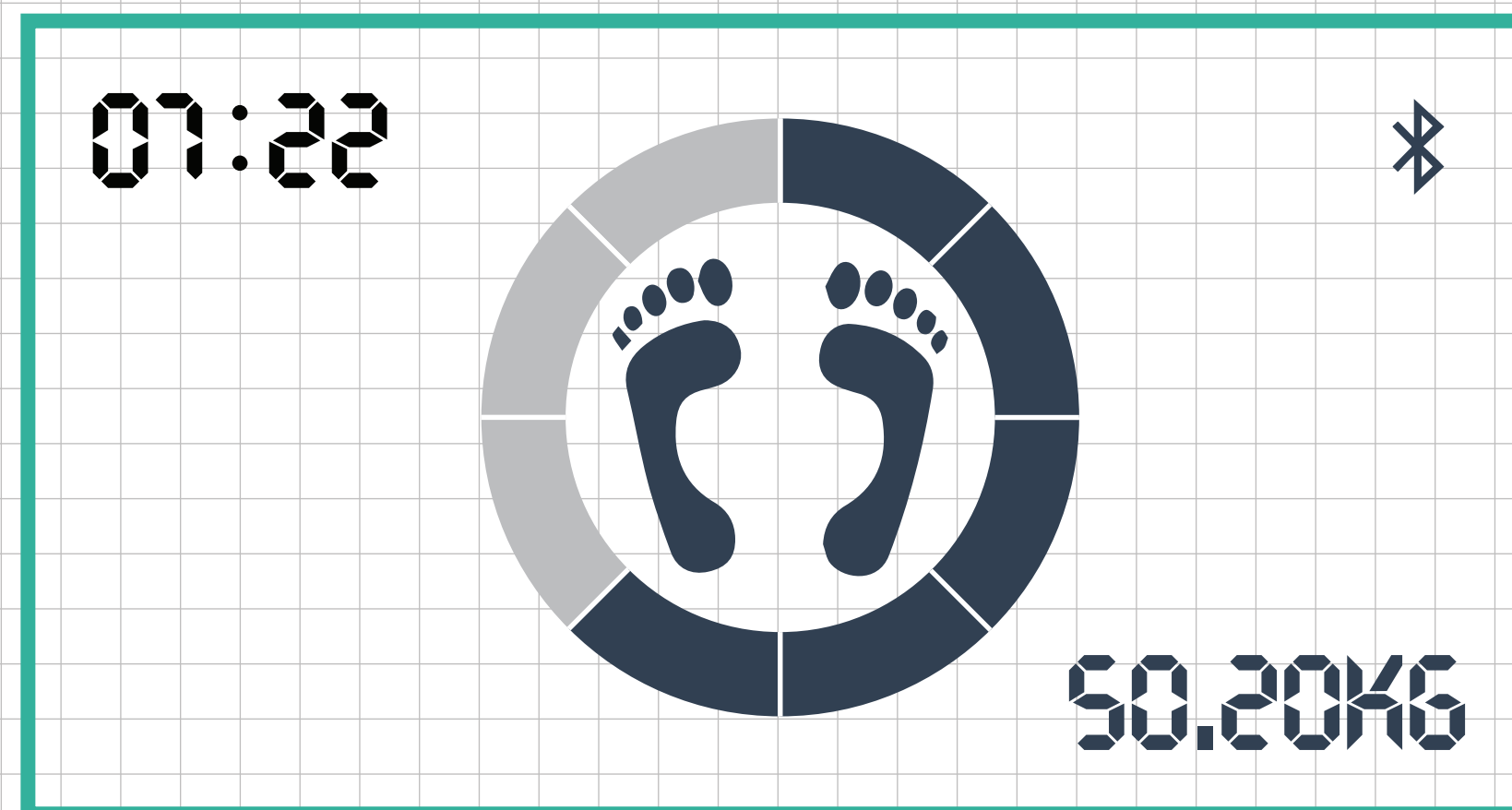
Decor foils



Electroluminescence

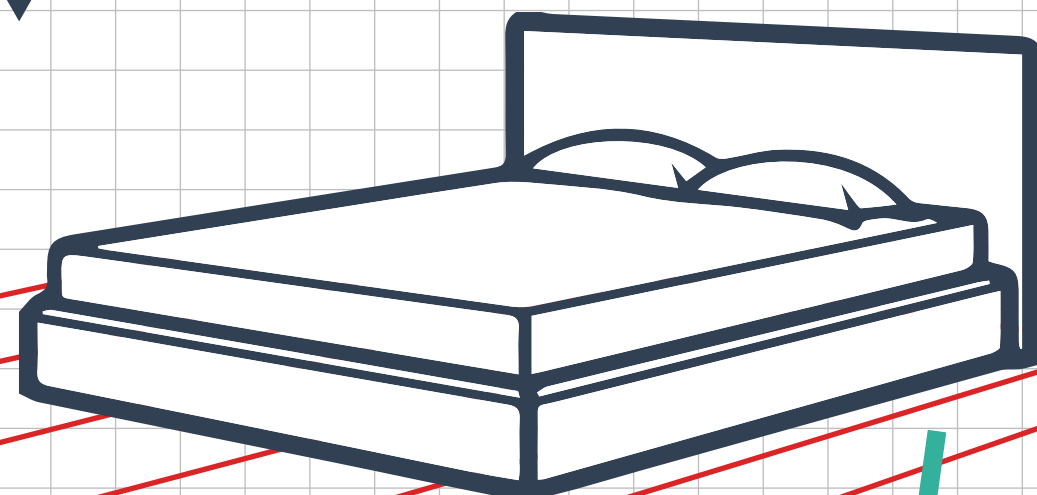
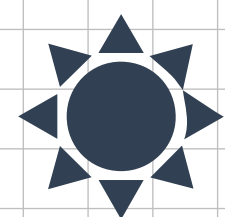


AWAKING BOARD



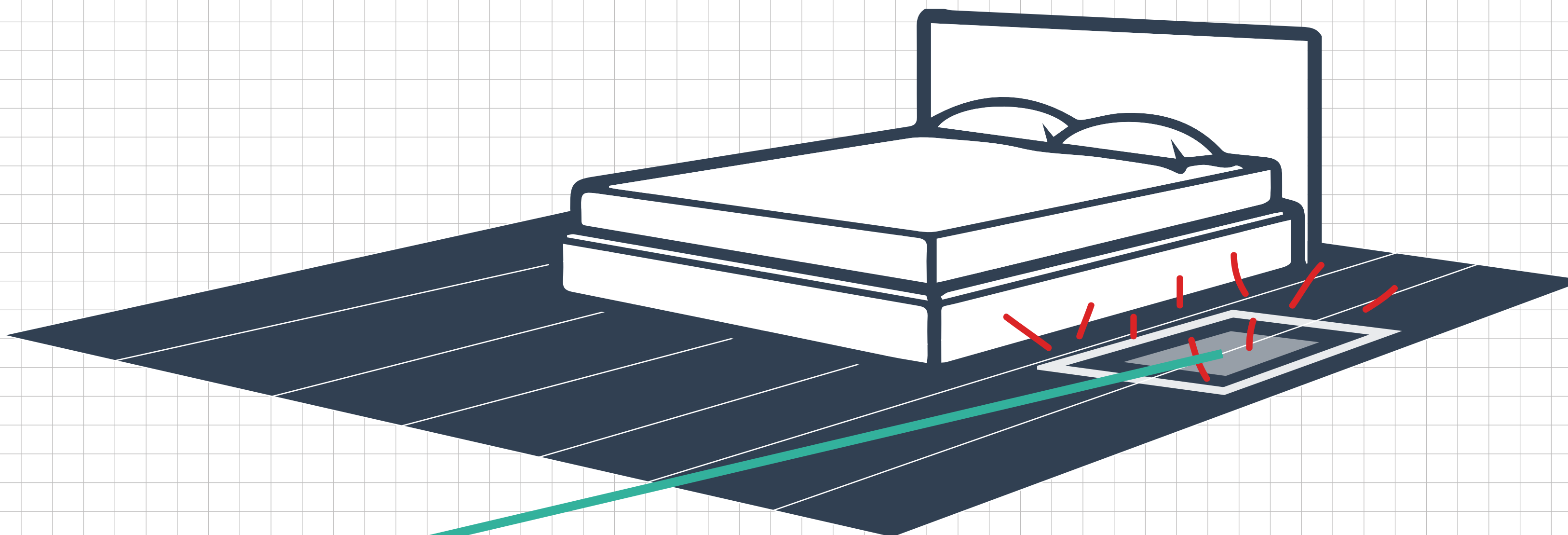
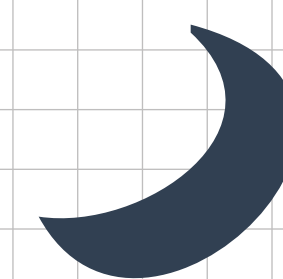
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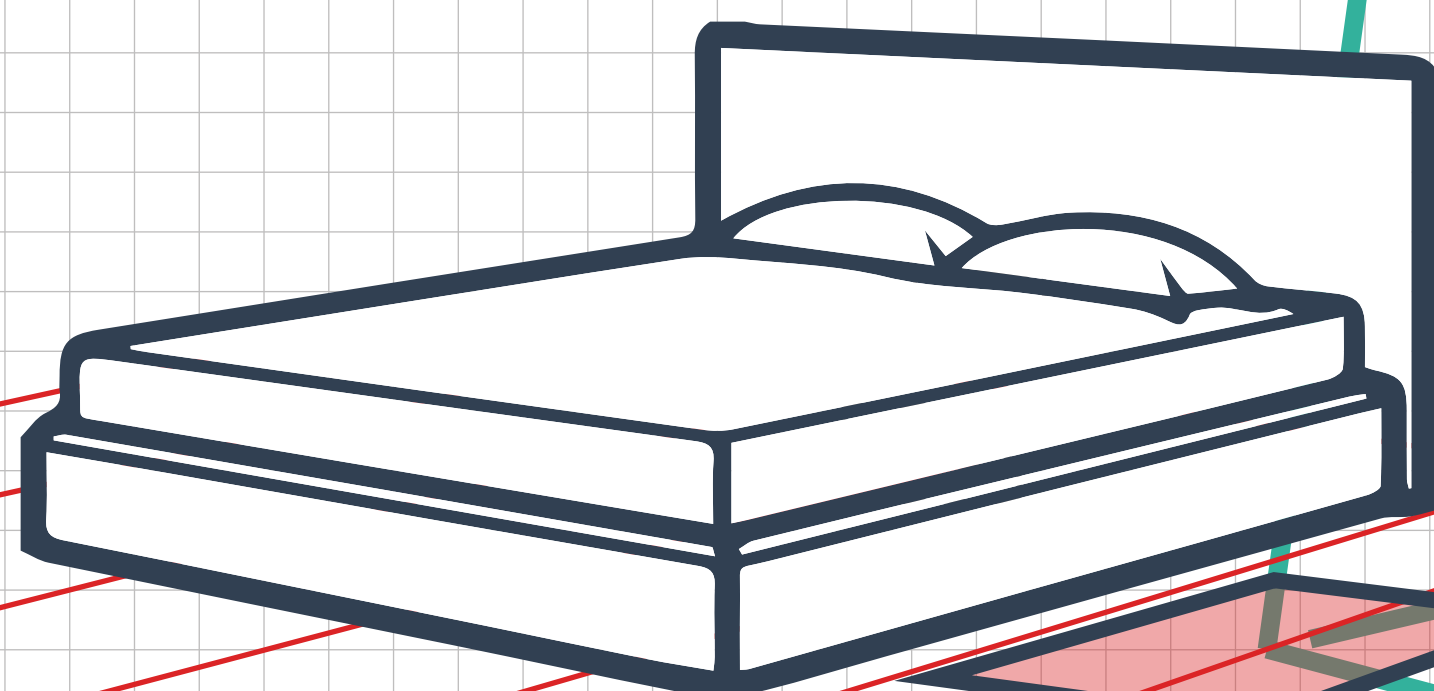
DECOR FOILS

In daylight, it could become invisible, if you don't use it.

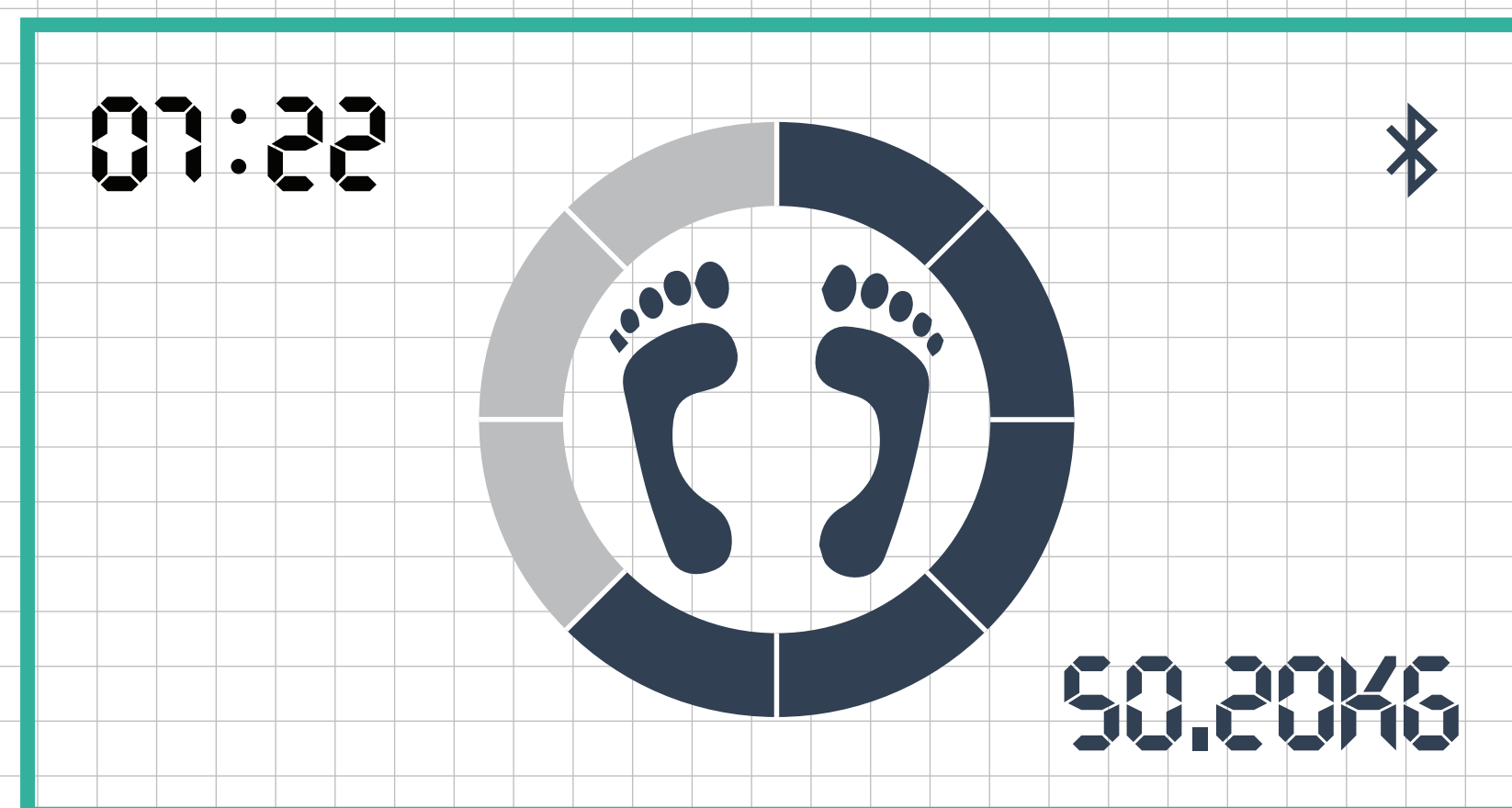


ELECTROLUMINESCENCE

When it works, it will be glowing or blinking in the dark.



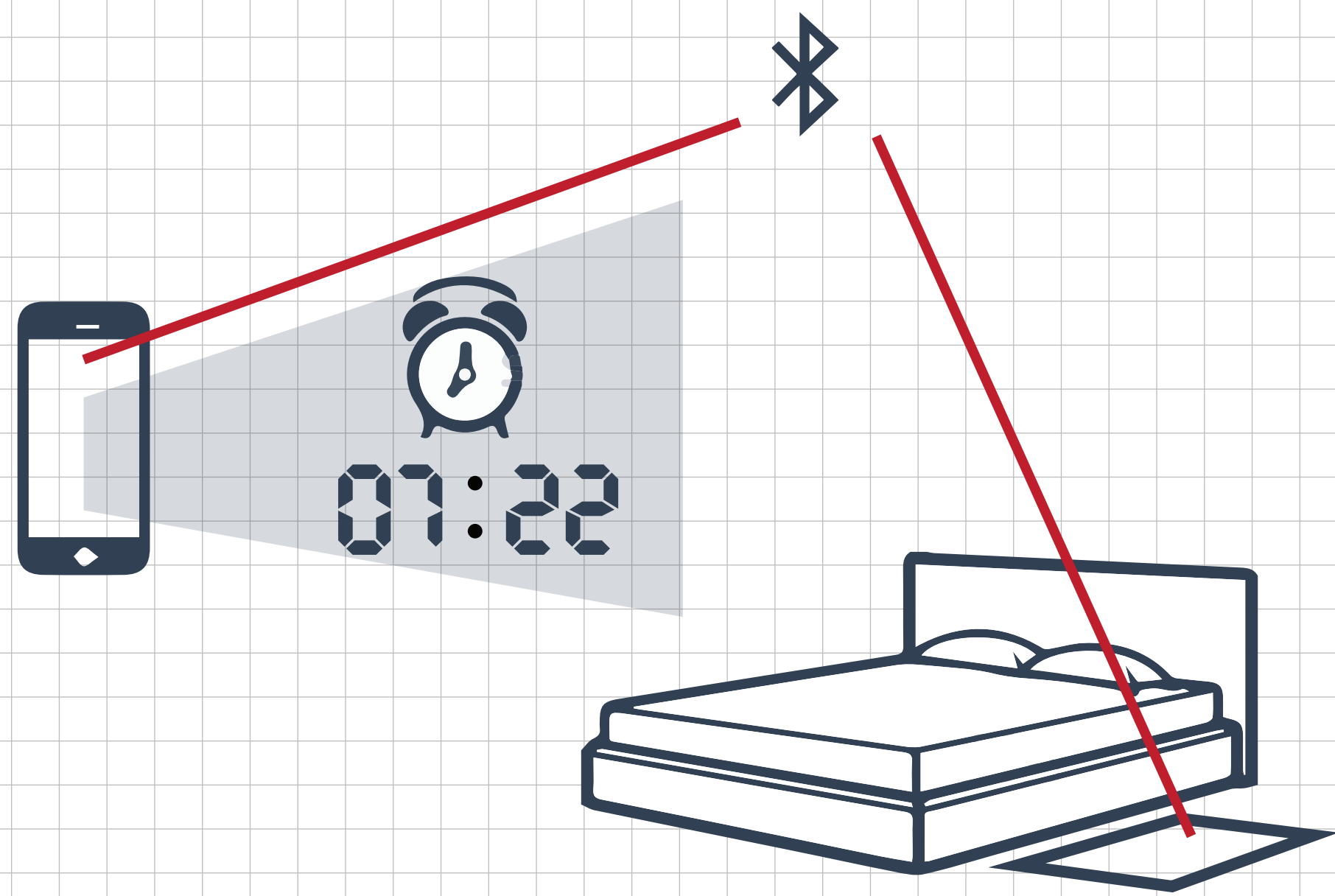
AWAKING BOARD



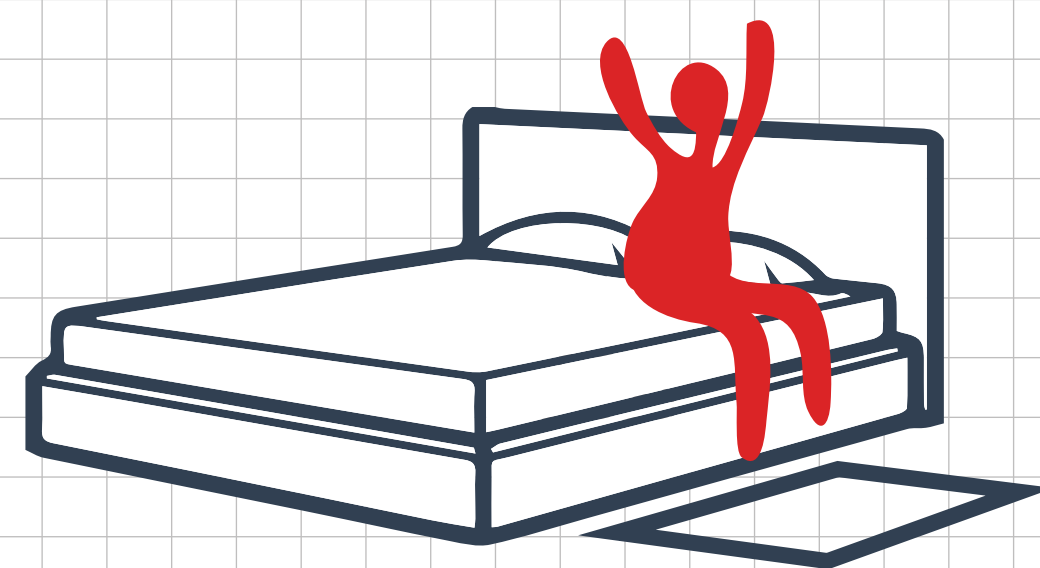
THE SOLUTION

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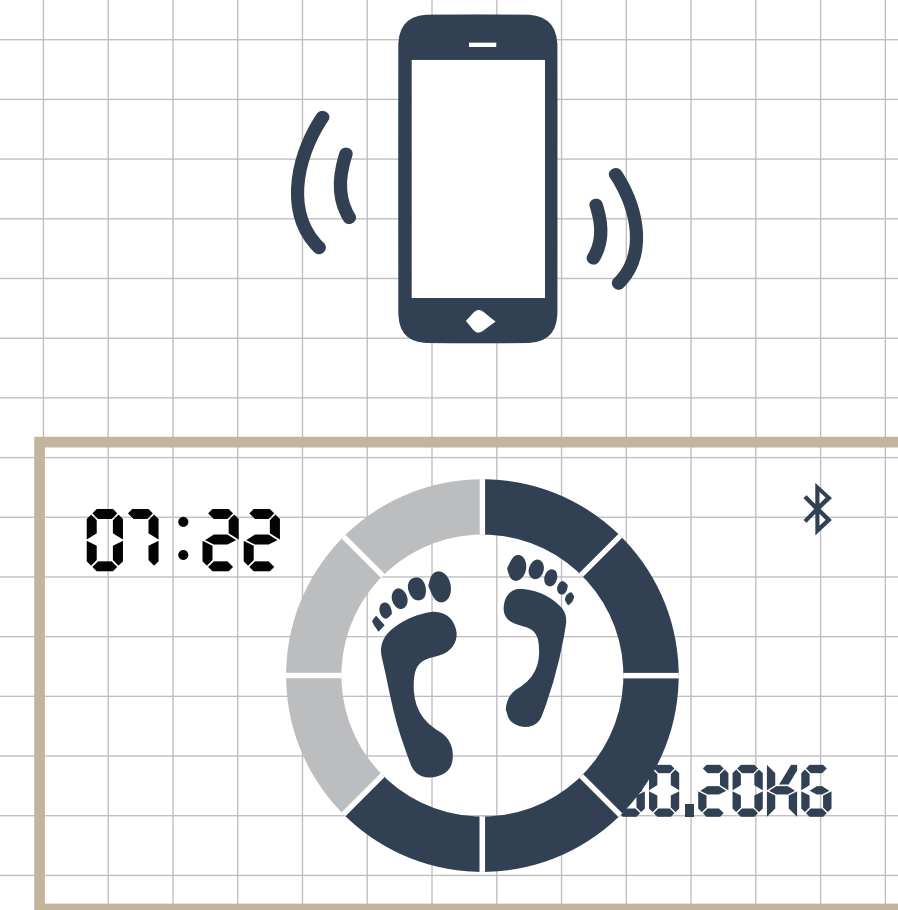
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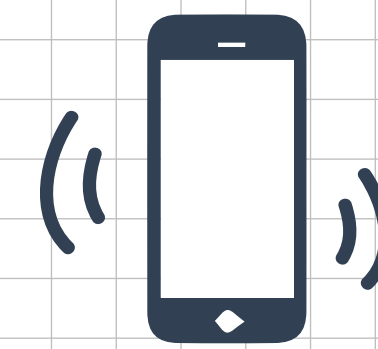
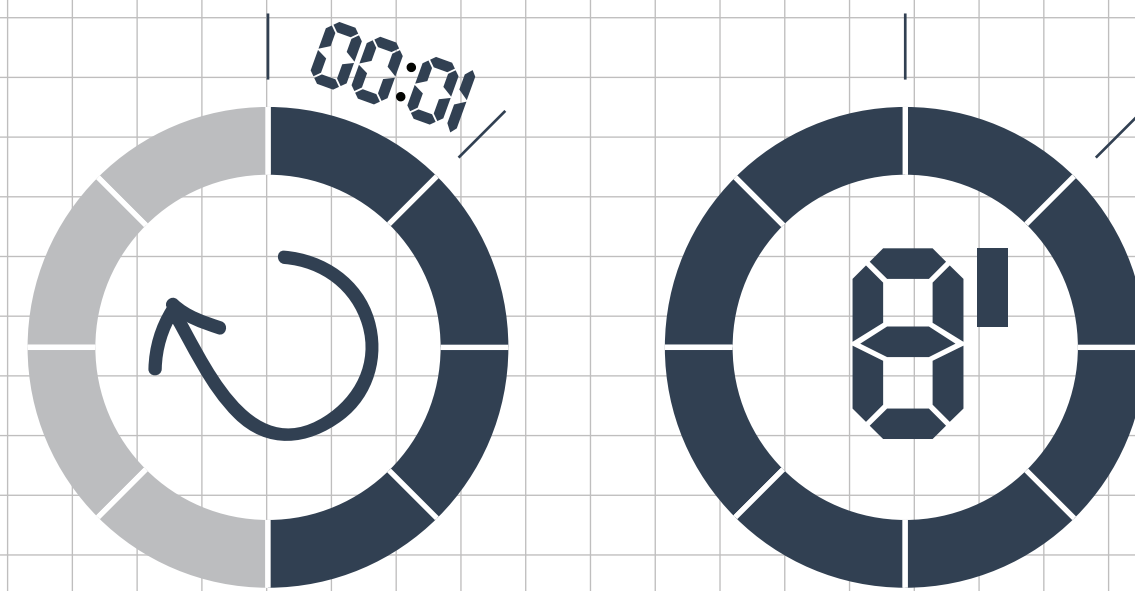
1 Before go to bed, connected board with bluetooth, use your smart phone and set a alarm.



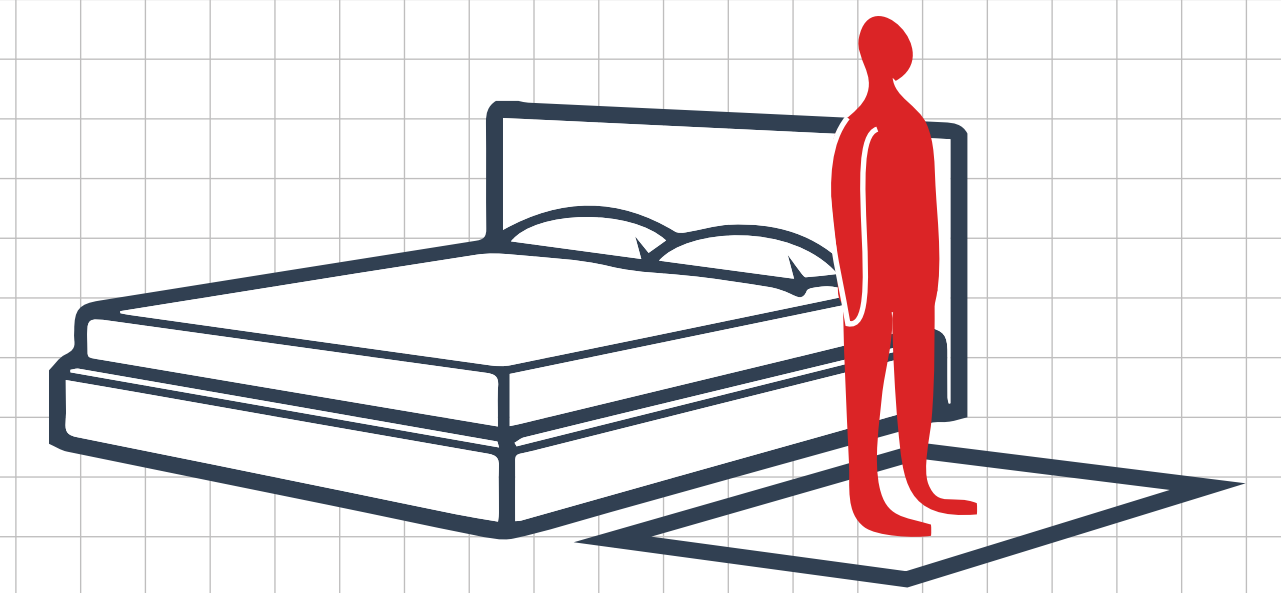
2 When is comes the time to wake up, your phone will ring



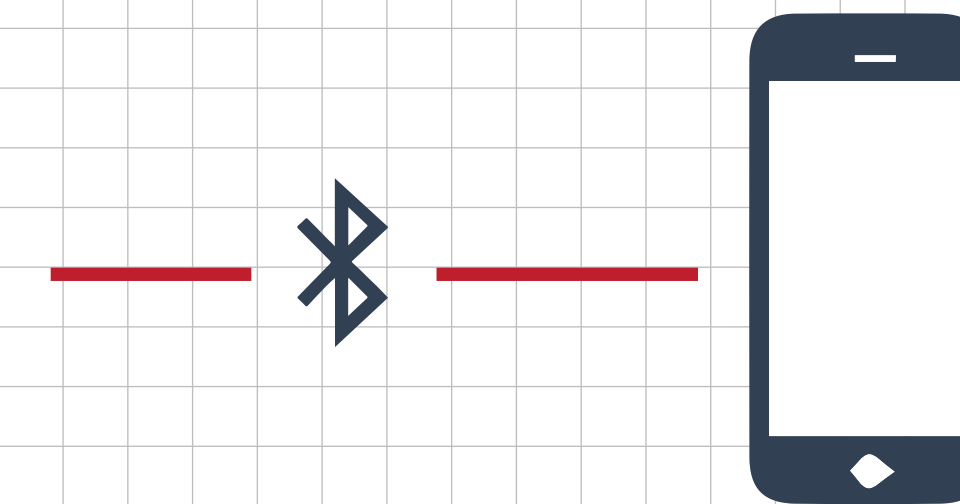
3 Awaking Board will flash, and you are required to step on it. Finnish Loading need 8s



6 After maintaining 8s-staying in the Progress Bar Circle, you will turn off the alarm clock successfully.

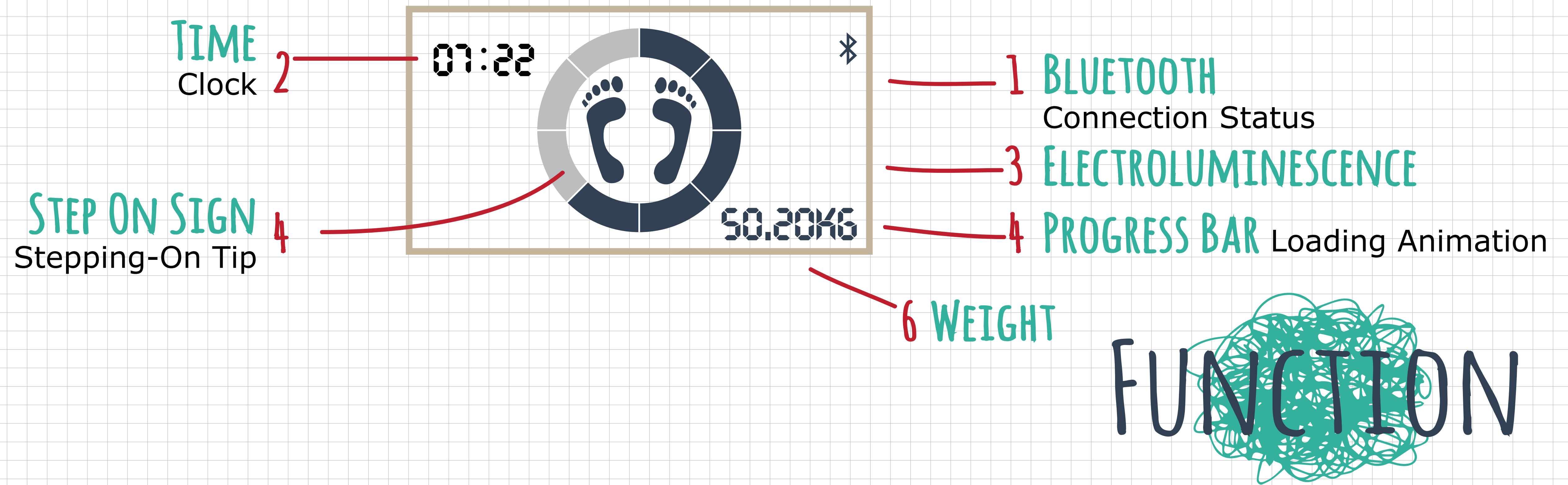


5 In the 8 s, the floor will weigh your body and send your weight to your smart phone.



Weight Record Management

STORYBOARD



	Functions	Sensor	Interface Elements	
	Bluetooth Connection Bluetooth Connectivity	Bluetooth	<i>Connection Status</i>	1
	Clock Set Alarm through Smart Phone Share the official time	Weighing Sensor	<i>Watch</i>	2
	Night Illumination Guide your night activities	Pressure Sensor	Electroluminescence	3
	Alarm Only way to turn off Alarm is by stepping on Awaking Board for a short while.	Weighing Sensor	<i>Progress Bar (LOADING)</i>	4
	Human Weigher Weighing yourself, while you maintain standing on Awaking Board .	Weighing Sensor	<i>Stepping-On Tip (ON/OFF)</i>	5
			<i>Weighing Value</i>	6

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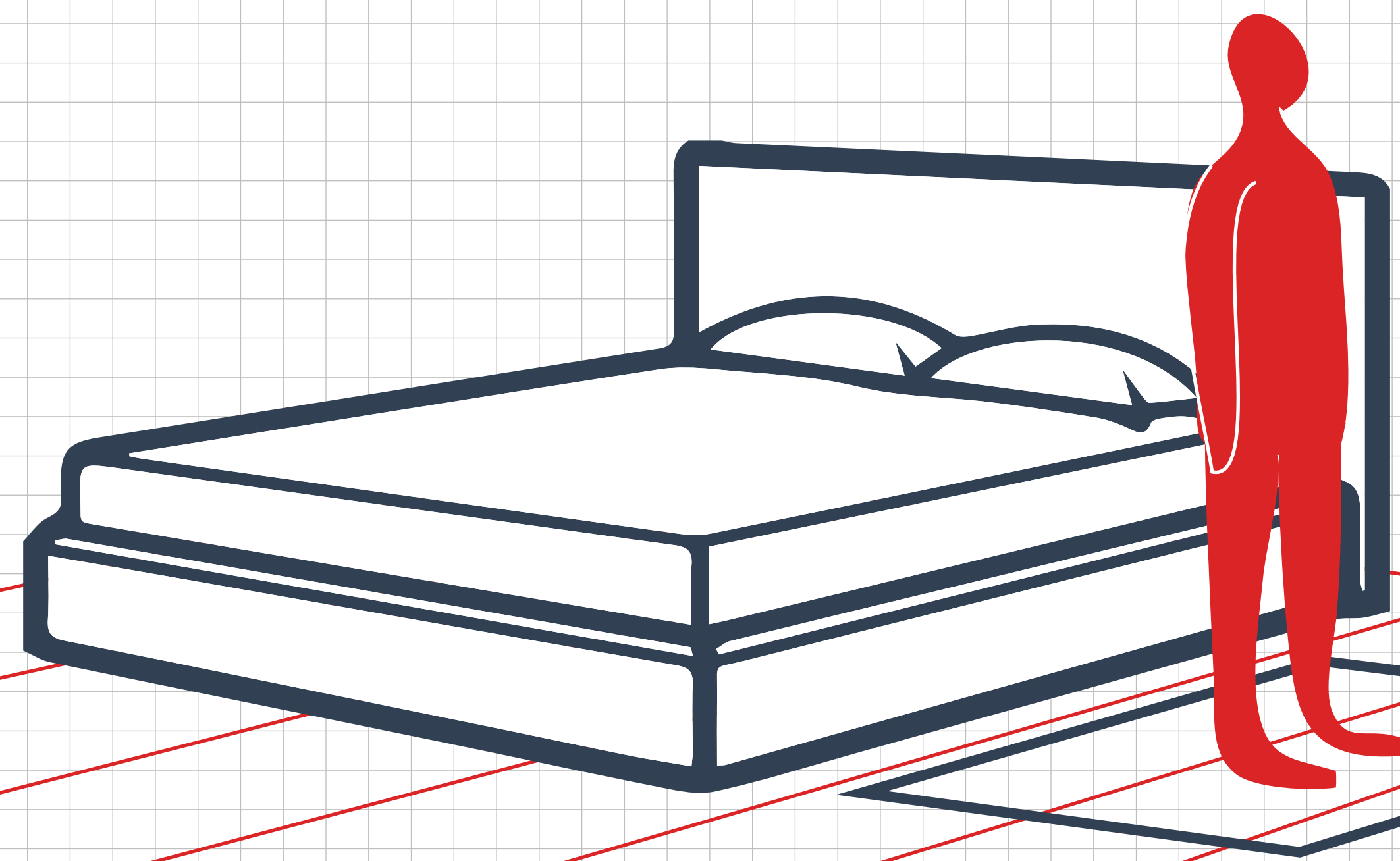
BLUETOOTH Connectivity

Set **ALARM** through **SMART PHONE**

Only way to **TURN OFF** Alarm is by **STEPPING ON** Awakening Board for a short while.

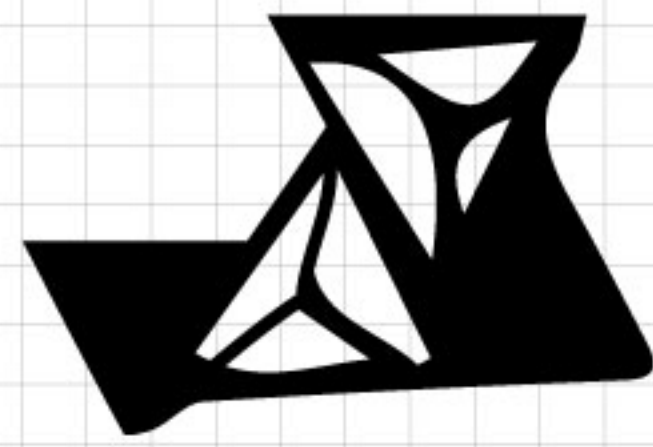
Whenever you want to **WEIGH YOURSELF**, step on Awakening Board and **MAINTAIN STANDING ON** it.

You can manage your **WEIGHT RECORD** on your Phone.

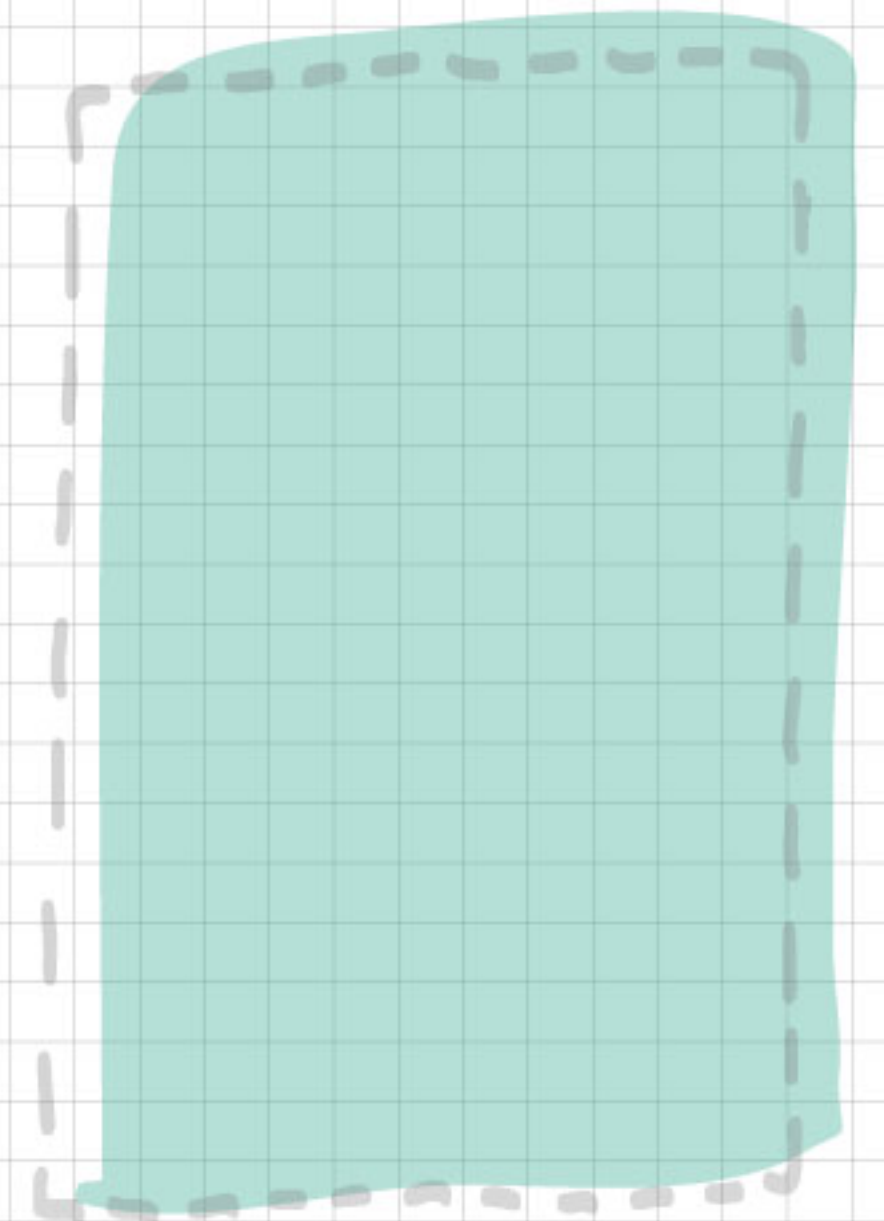
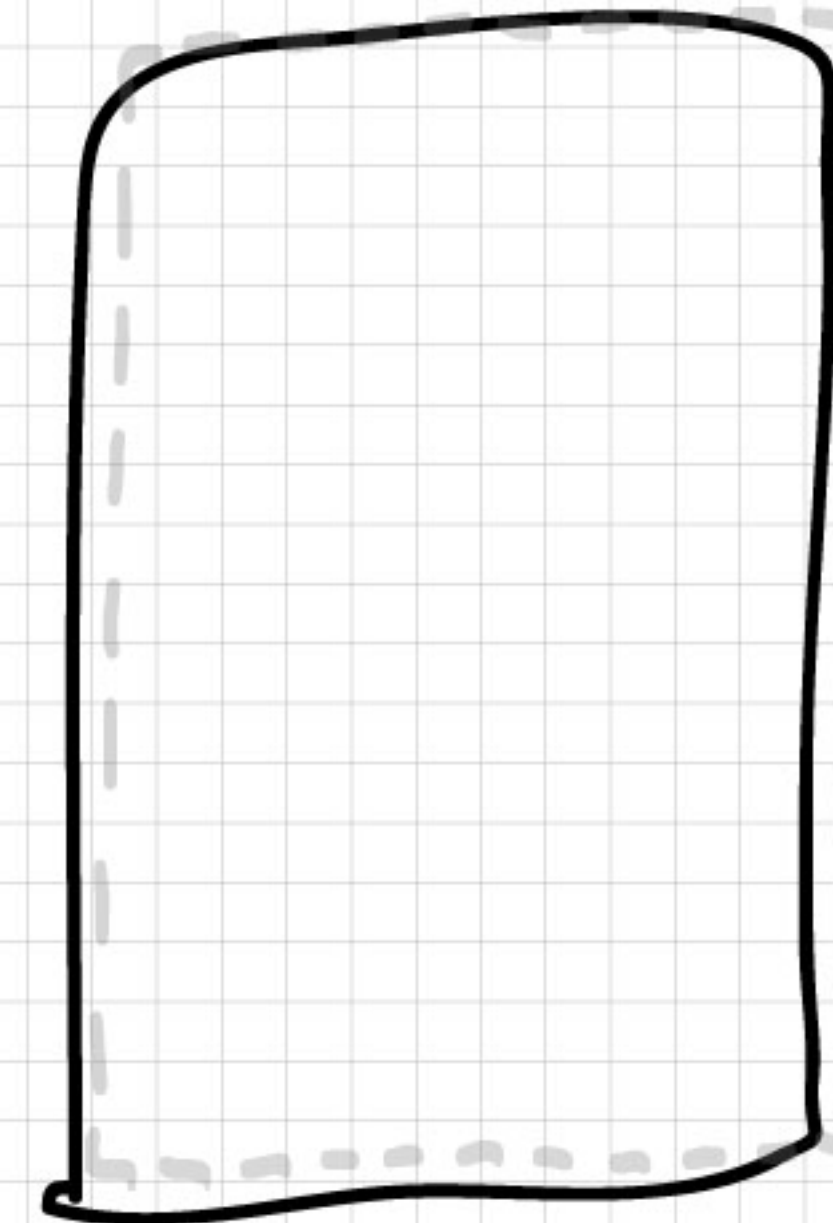
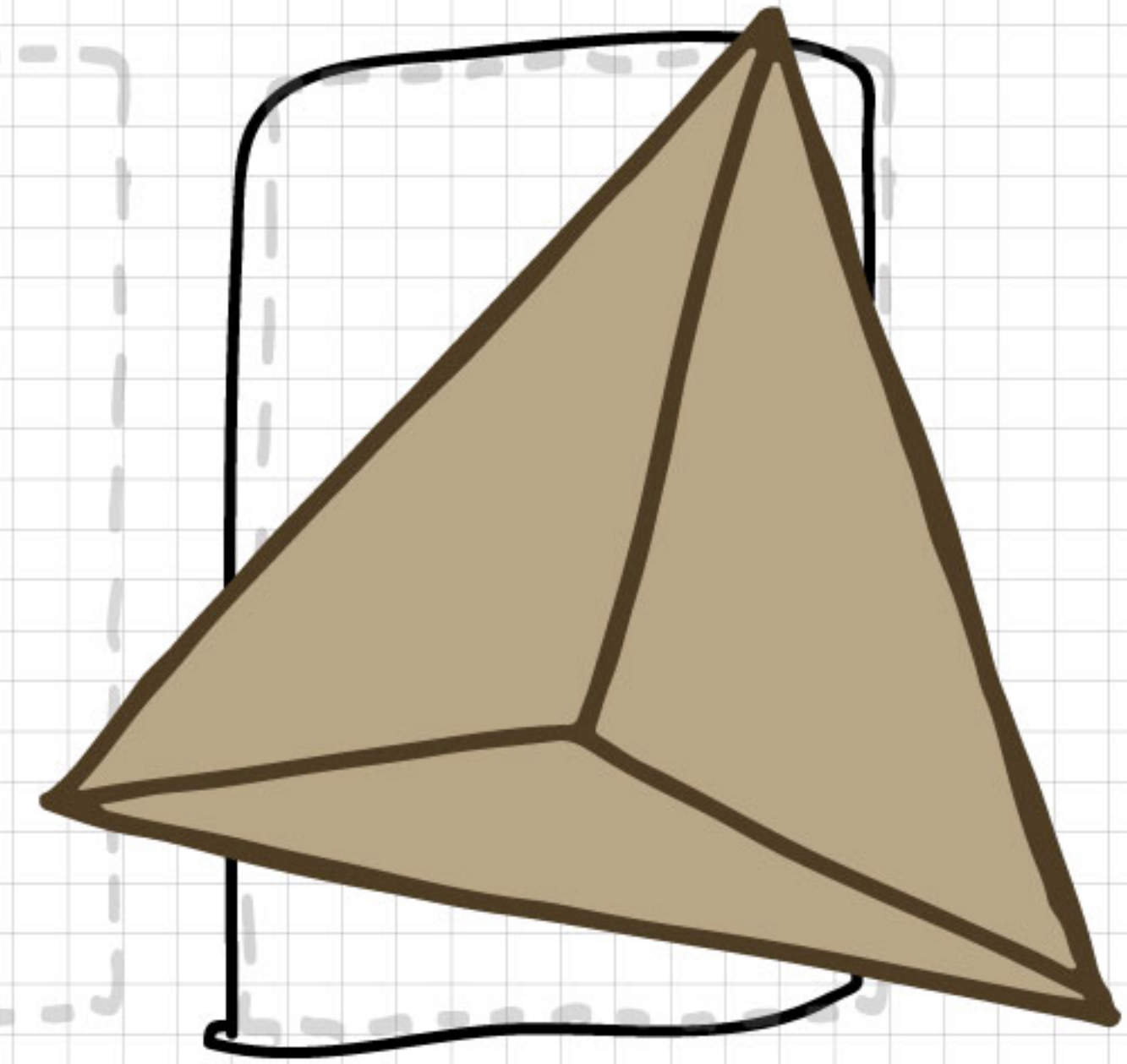
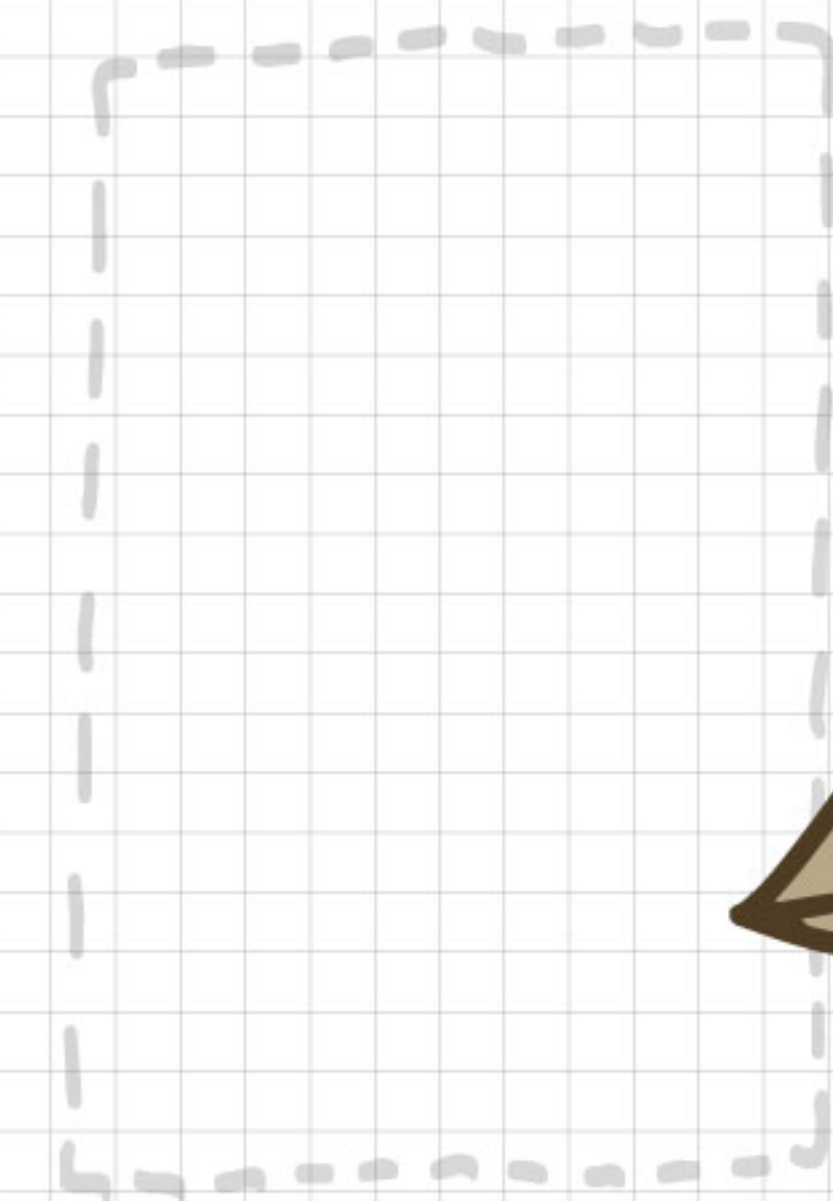
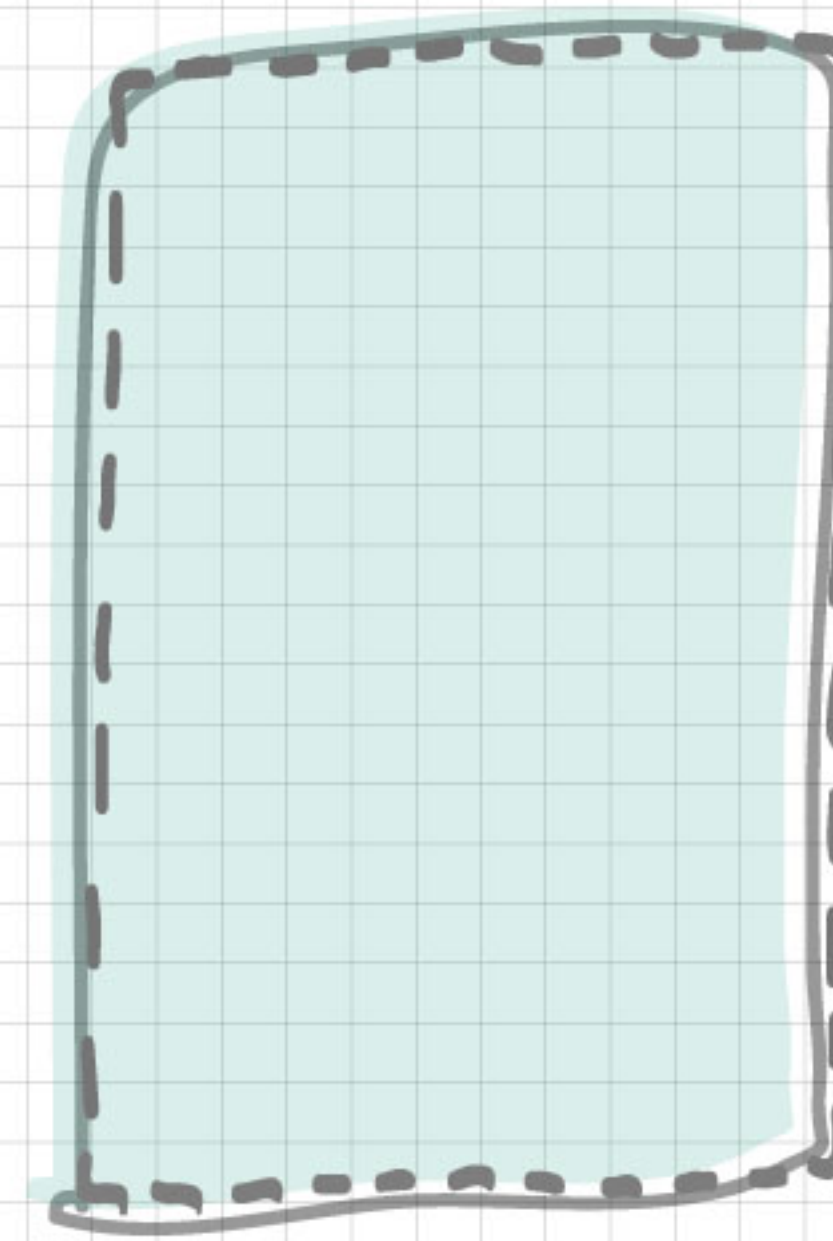
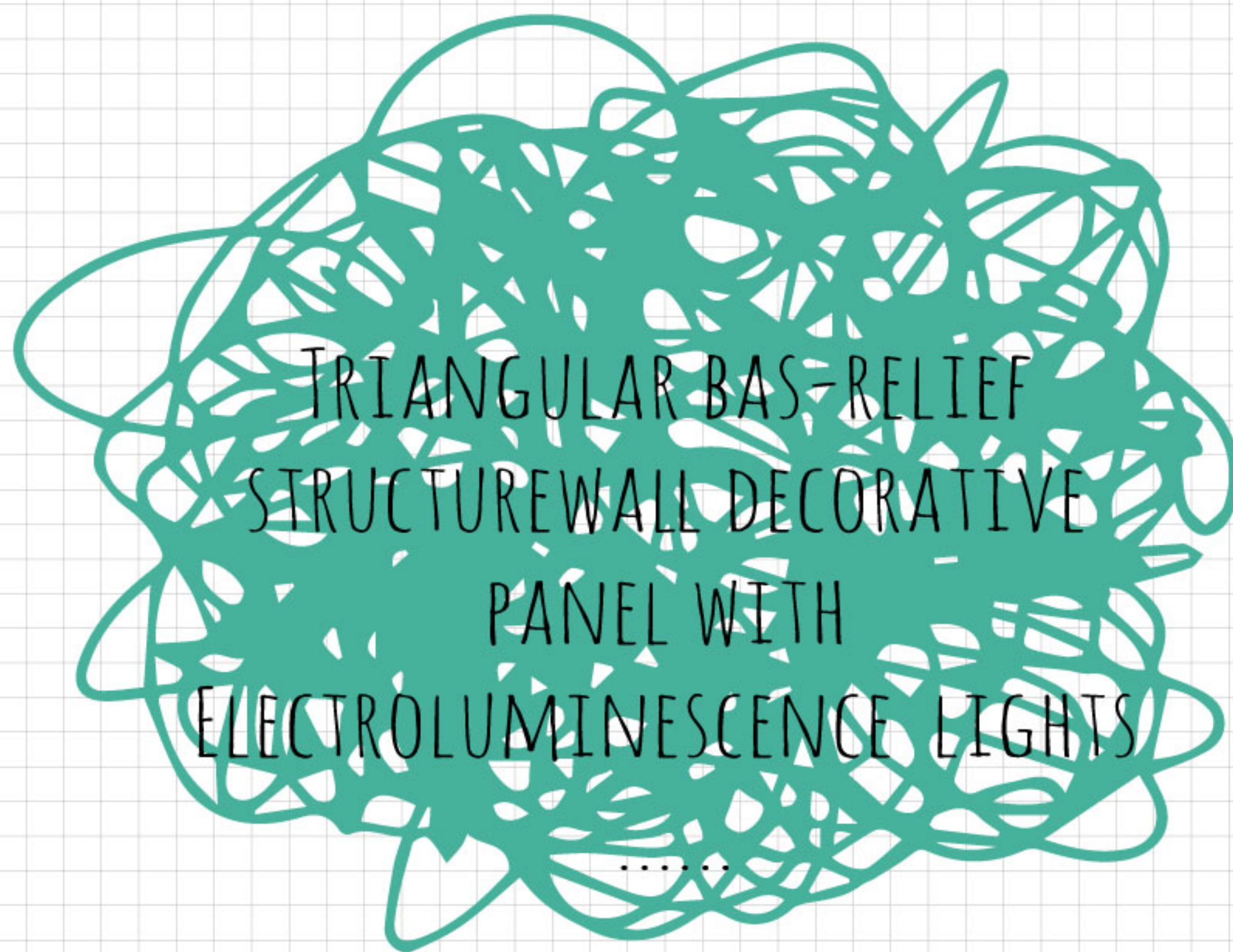


KEY FEATURES

WALL



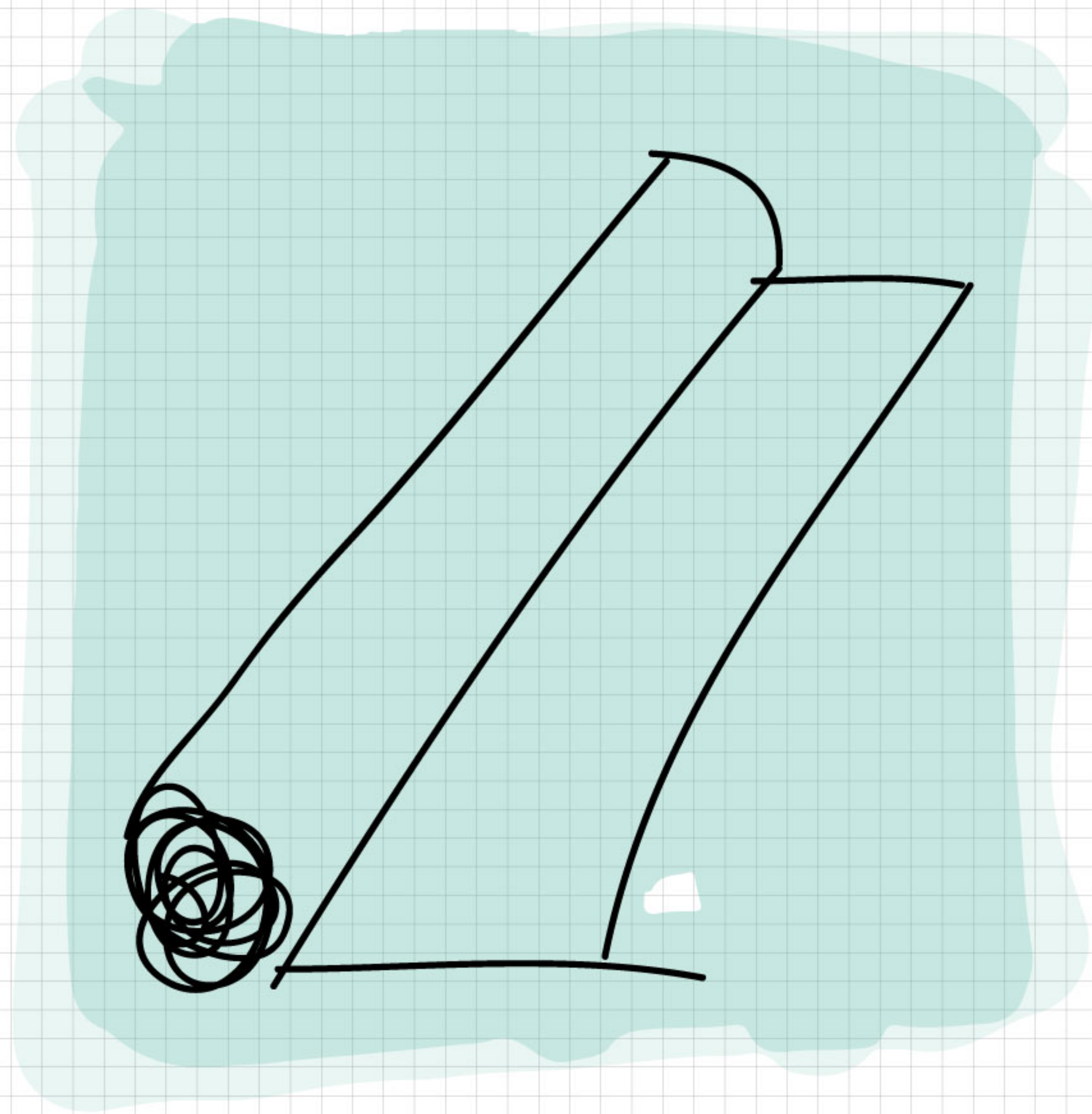
CLOUD



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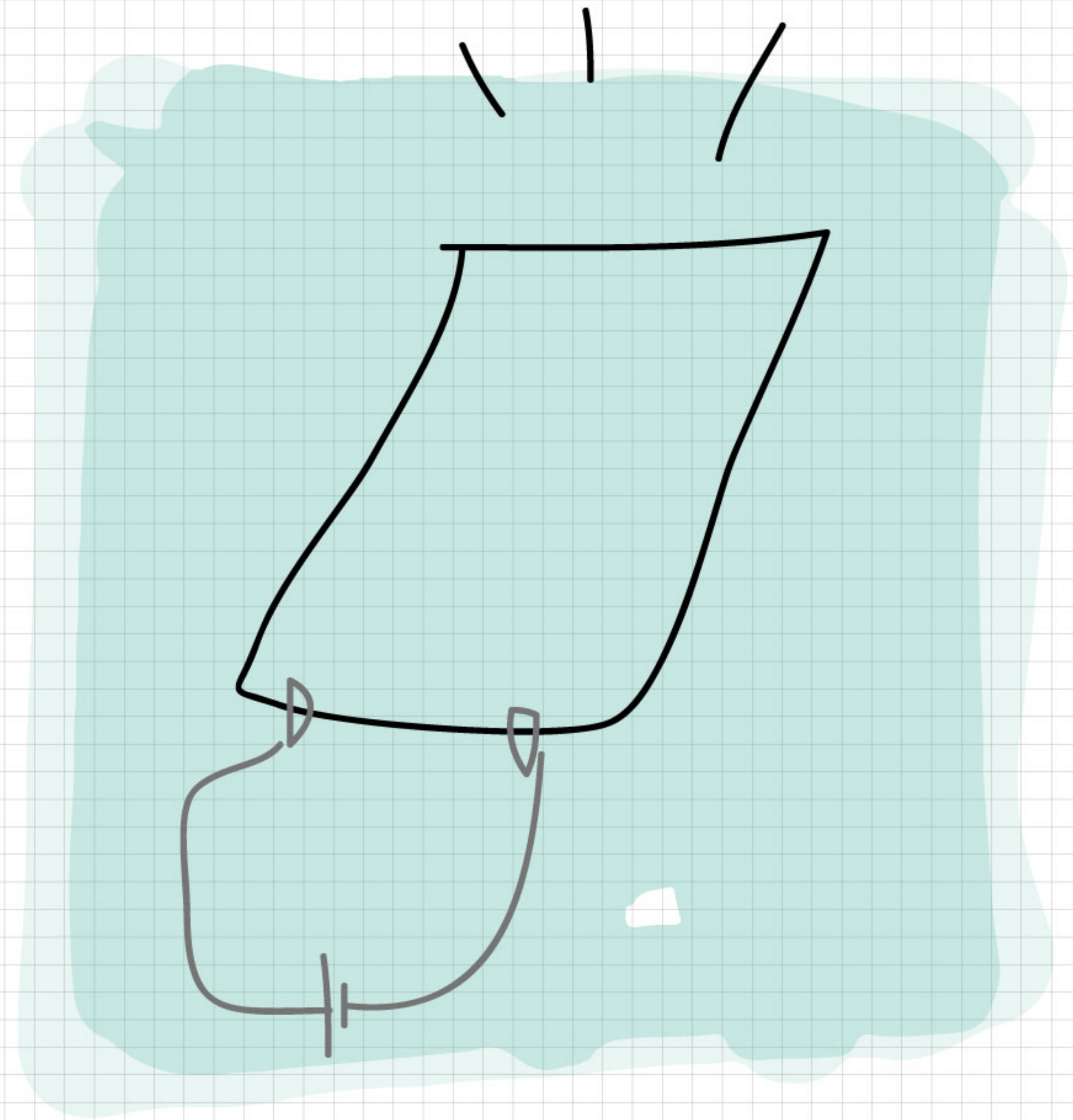
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APASRI TITATARN



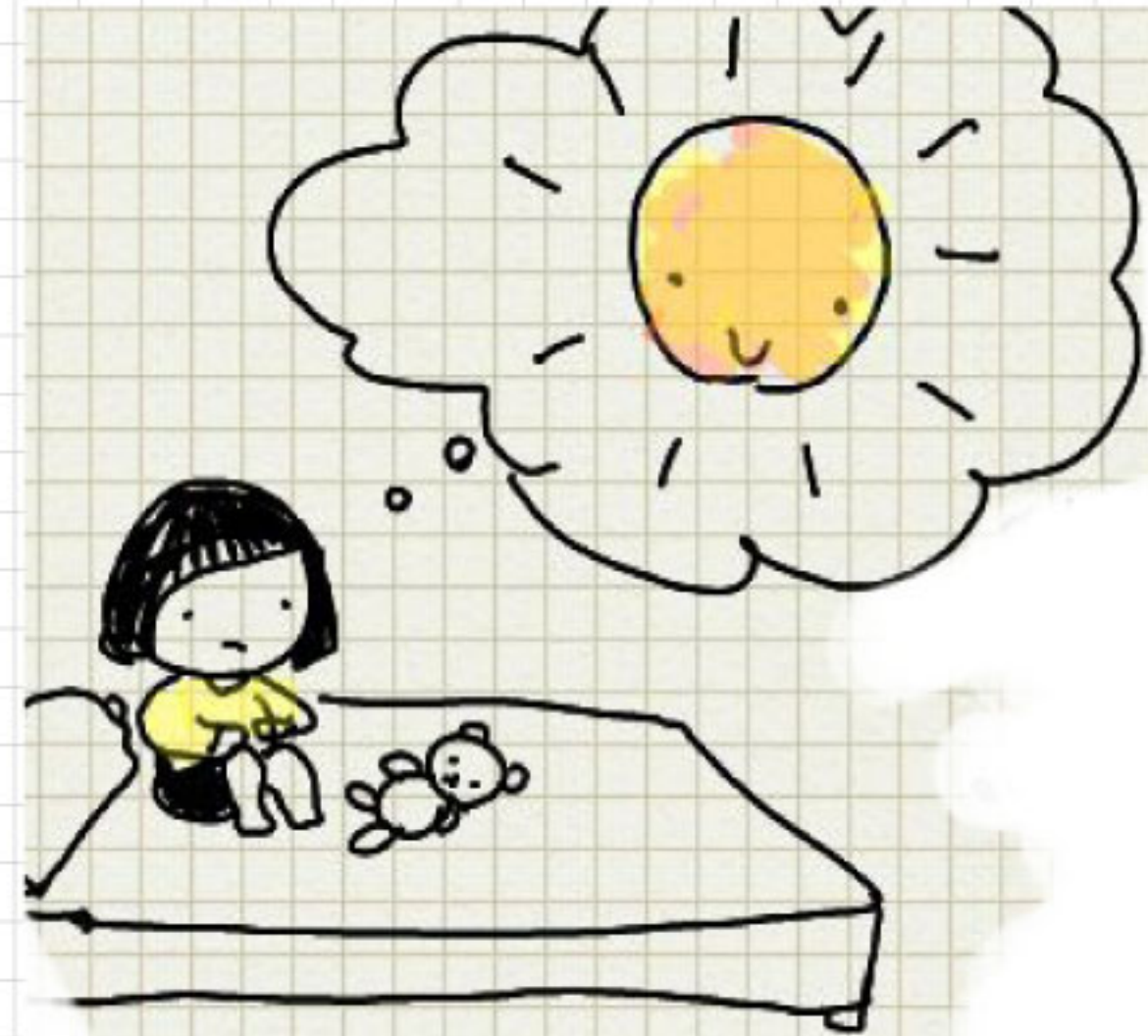
DECOR FOIL

wood, fancy textured foil, can be stick on clean surface to apply texture or color on the surface
- preferable for indoor usage



ELECTROLUMINESCENCE

New type of light source which is
- thin, bendable
- can be cut into formless shape
- emitting light, but not so bright
- require high voltage electricity (along with a switch box)



First moment of the day after waking up is the important moment. Waking up in nice atmosphere with the warm-sunshine through your window is ideal. In winter or a gloomy day, when the sun is also lazy for waking up, this light wall can help enhancing your emotion, by creating artificial drop of sunlight on your bedroom wall.

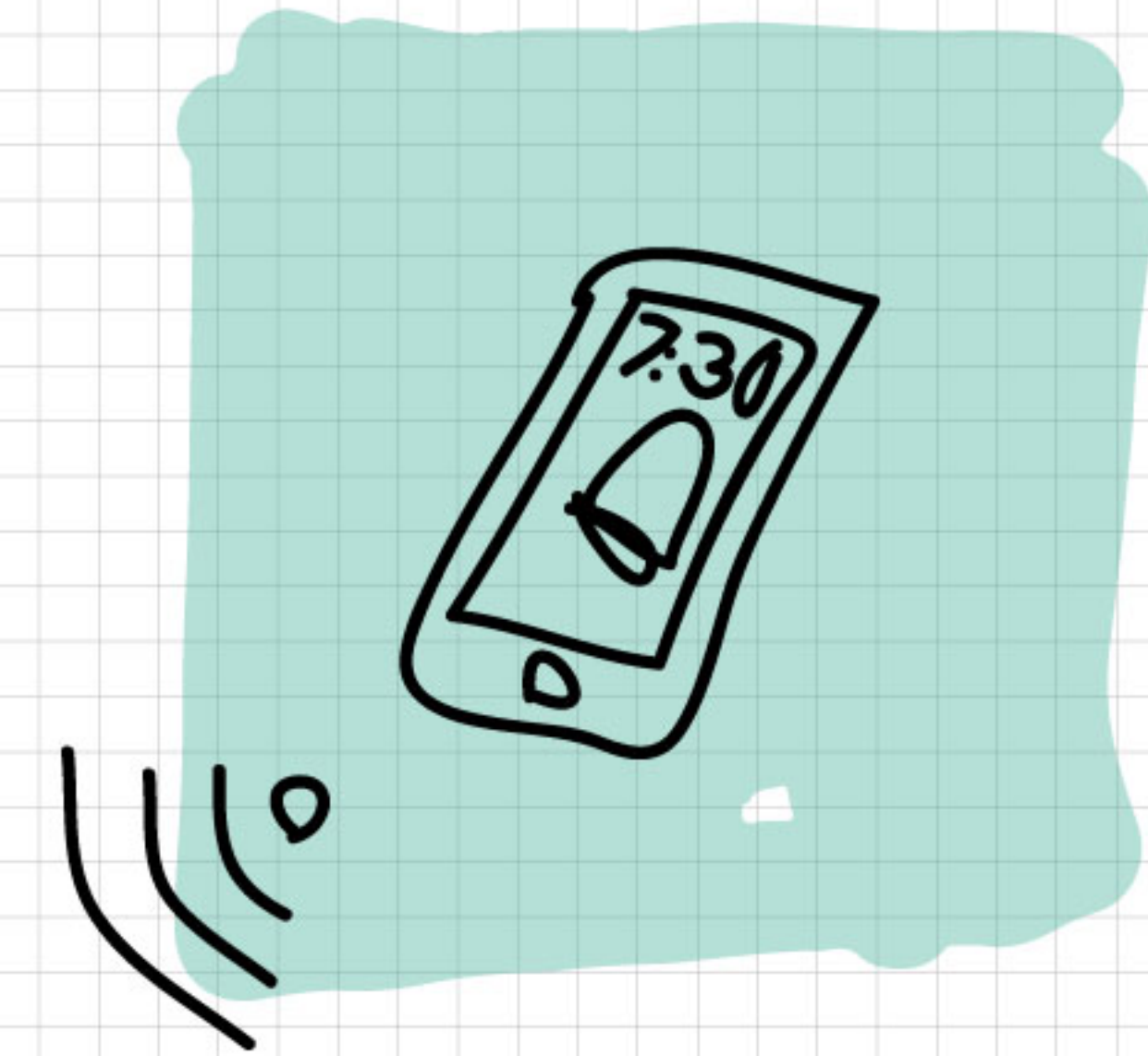
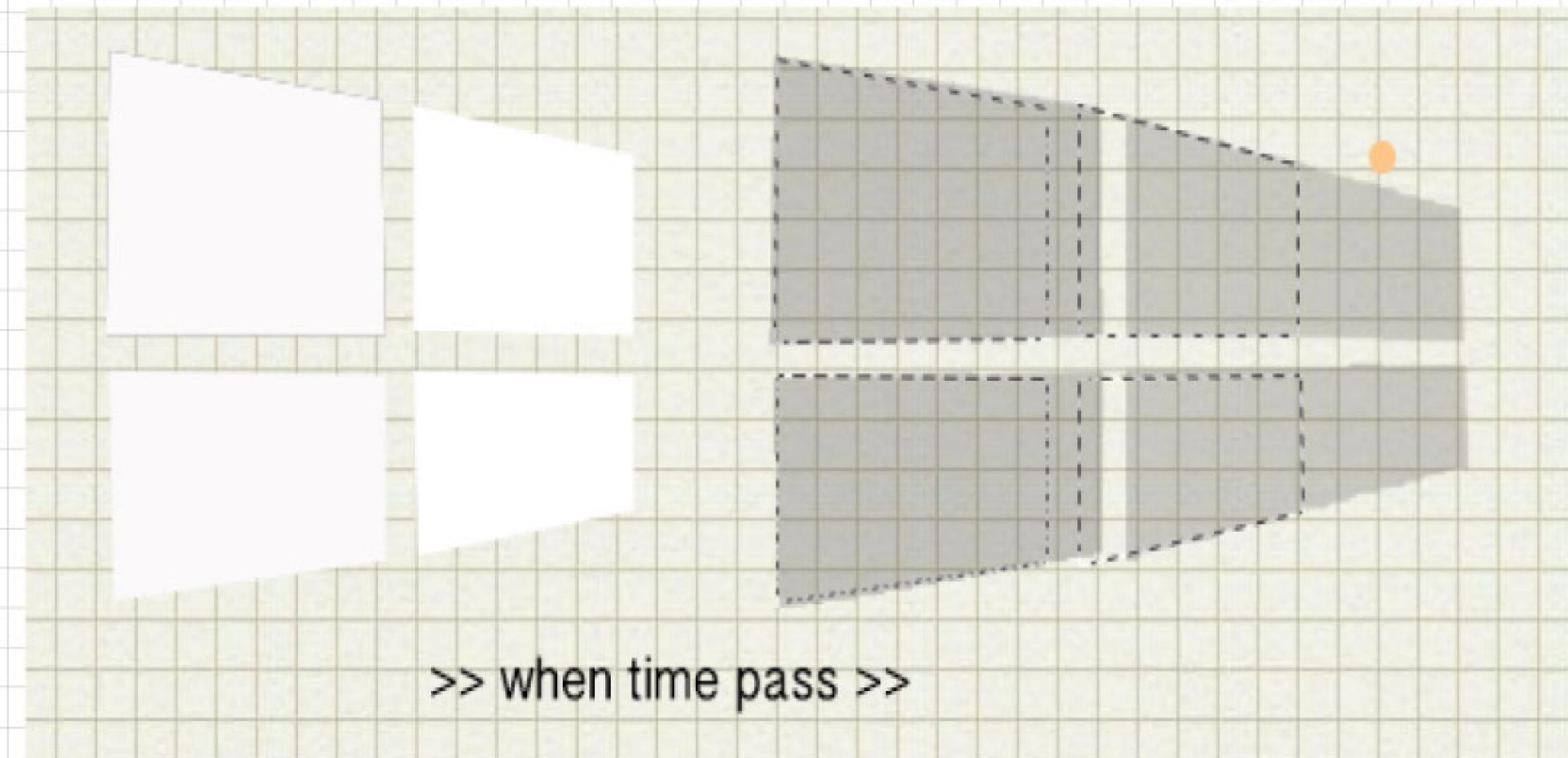
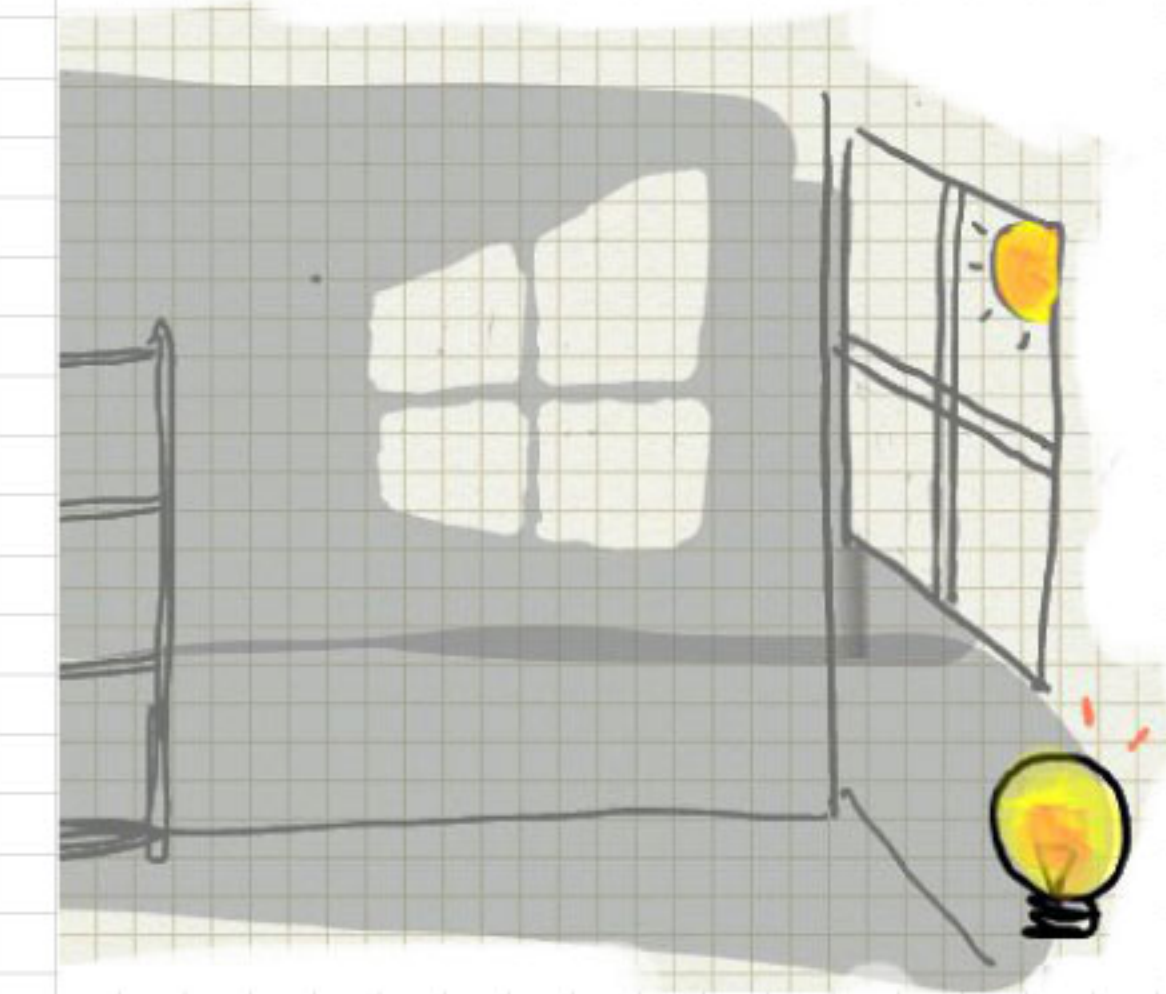
How to...

1. On the bedroom wall: apply the designed pattern of electro luminescence
2. Cover the whole wall with Decor Foil >> due to the flatness of EL, the wall will look not different from a normal wall with wallpaper.

As an alarm

The wall is controlled by the alarm clock of your smart phone, the wall will gradually light up 5 mins before your alarm in the shape of the drop of sunlight through your window on the wall.

As decorative lighting.. the drop of sunlight expands as time goes by

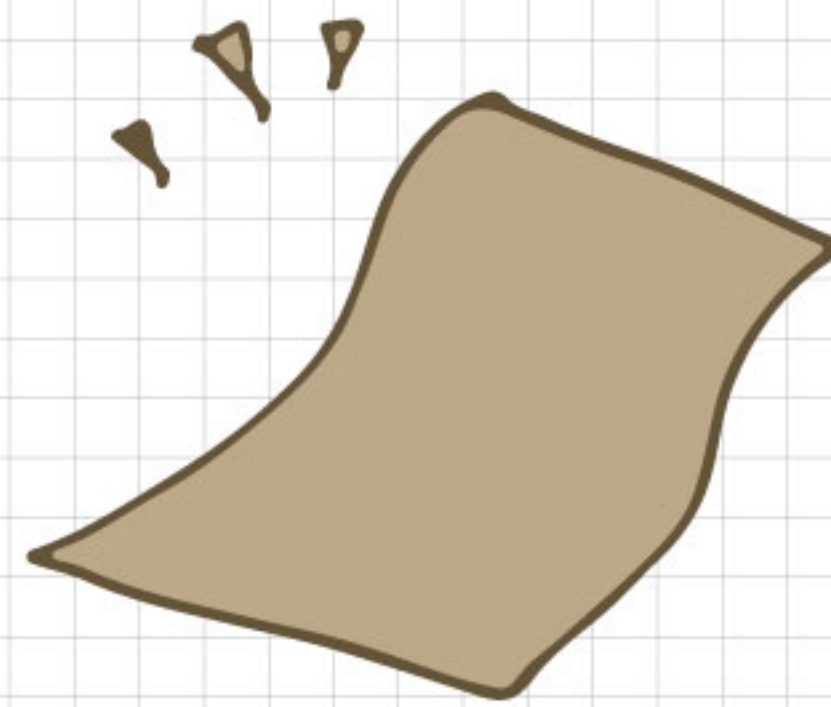


FIRST IDEA...WAKE UP WITH SUNSHINE



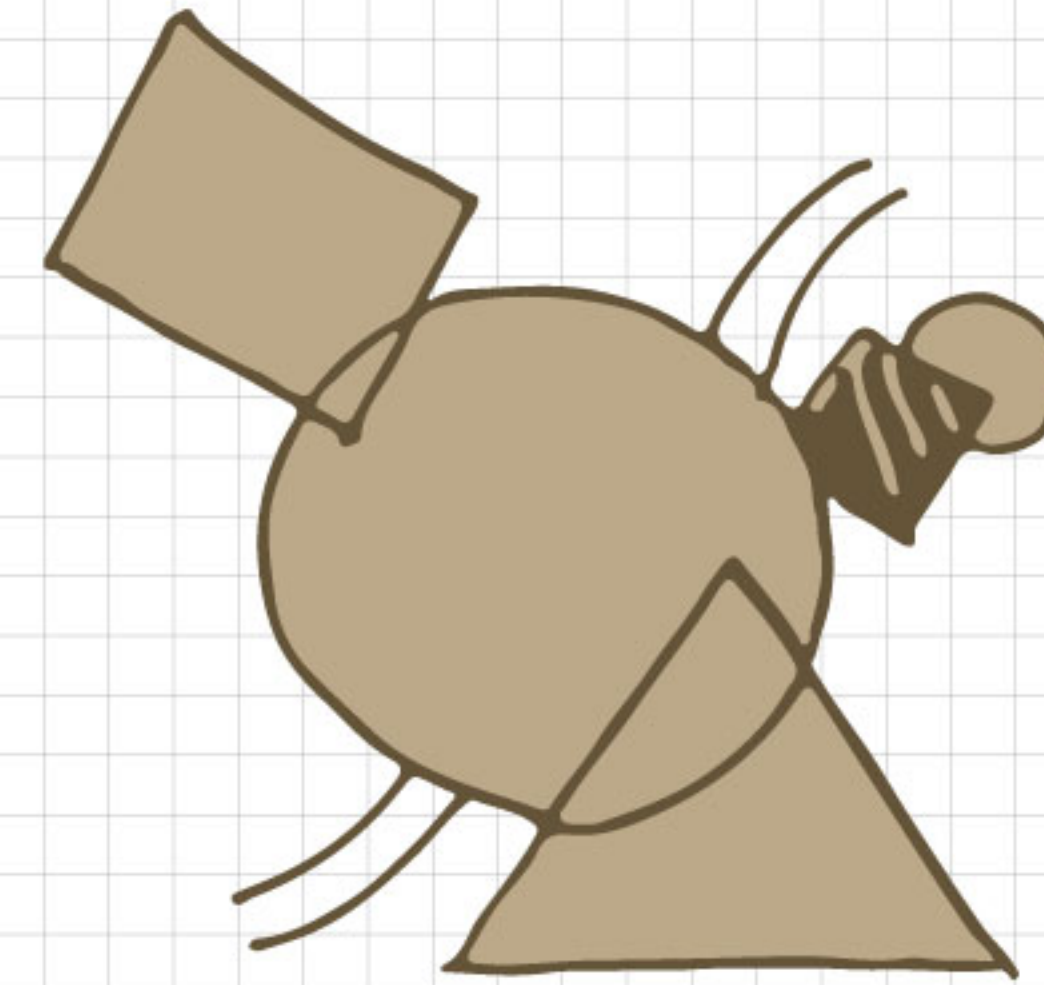
display Time

by
+
using



Light
↳
Shadow

+



Abstract Design

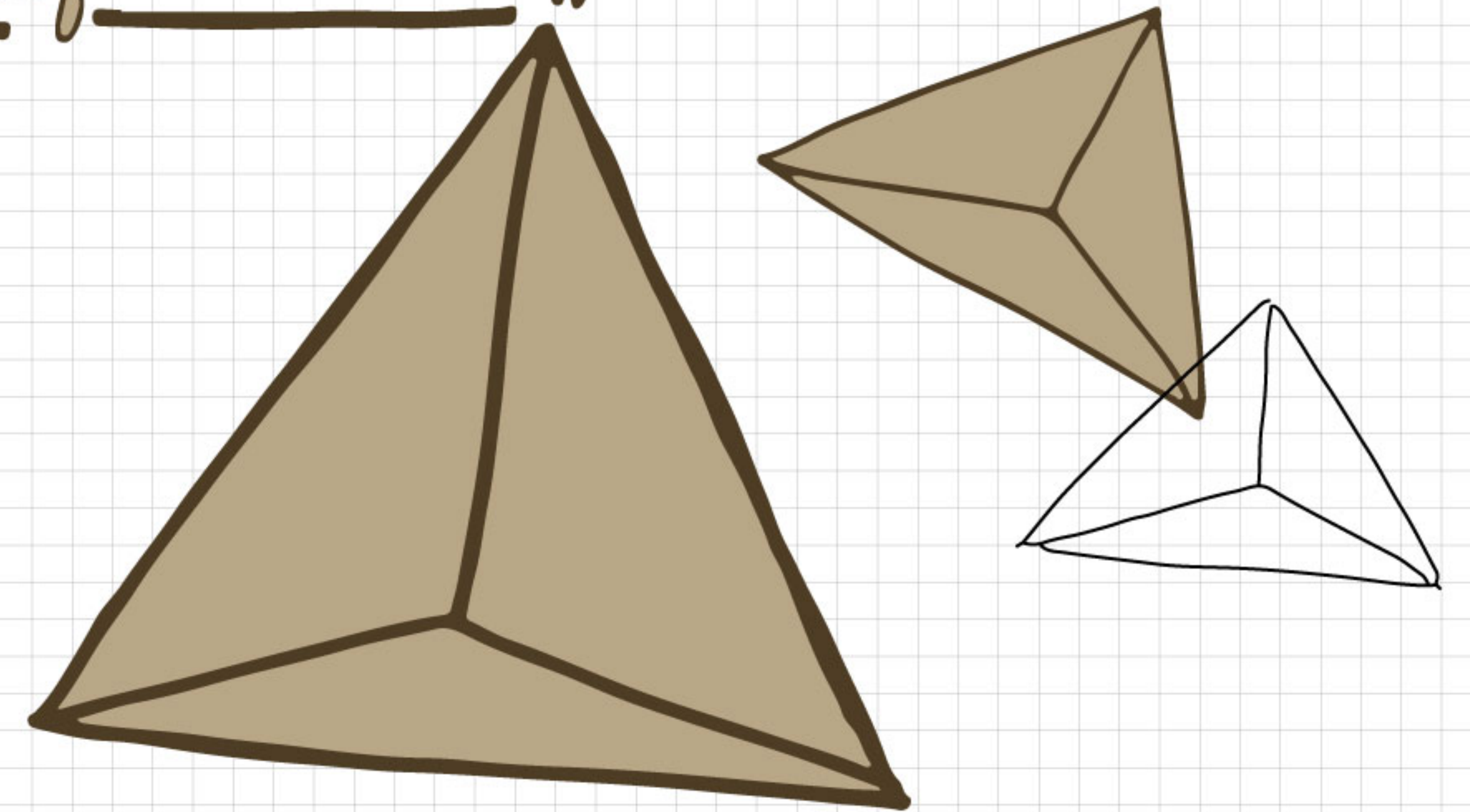
NEW CORE CONCEPT DESIGN

Then the idea is developed, due to the feedback and is adapted to avoid some limitation of production process. The core concept of the new developed idea is using Electroluminescence and Decor Foils to develop a design with the purpose of creating a flexible space which using light to display the flow of time in more abstract way and at the same time serving the decorative purpose to enhance the atmosphere of the surrounding space.

Develop Pattern Design

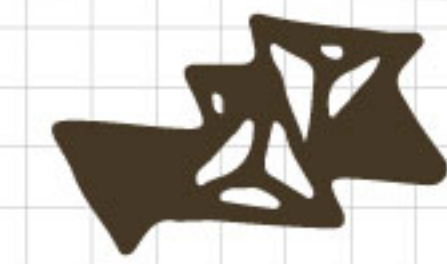
- ▲ try to find ?? pattern which has flexibility to form into any other shape.

- ▲ choosed "Triangular bas-relief Structure"



The idea is to create a base lighting pattern which can be compiled together and formed into other abstract shape in the larger scale. Considering the core concept design and intention to make good use of Electroluminescence, the triangular bas-relief structure is the perfect choice.

DEVELOP
A PATTERN

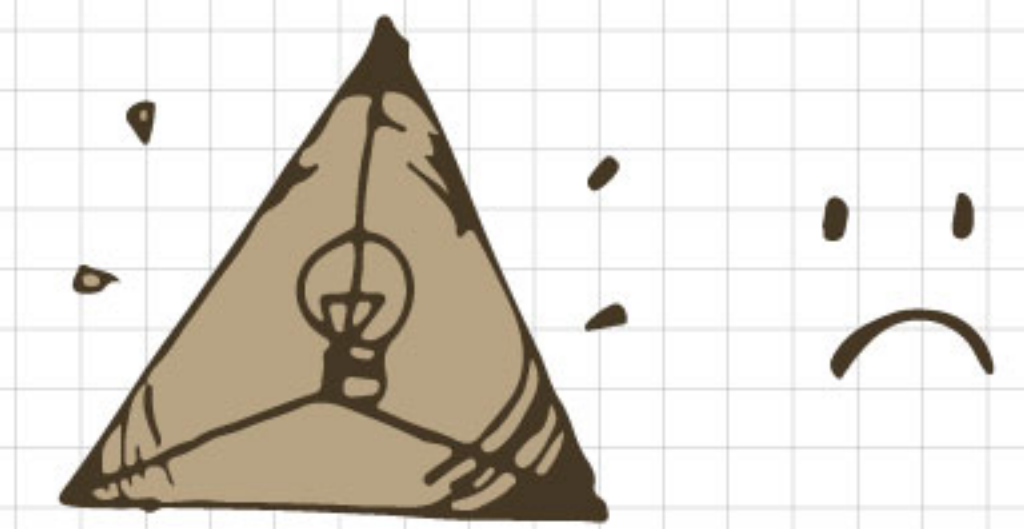
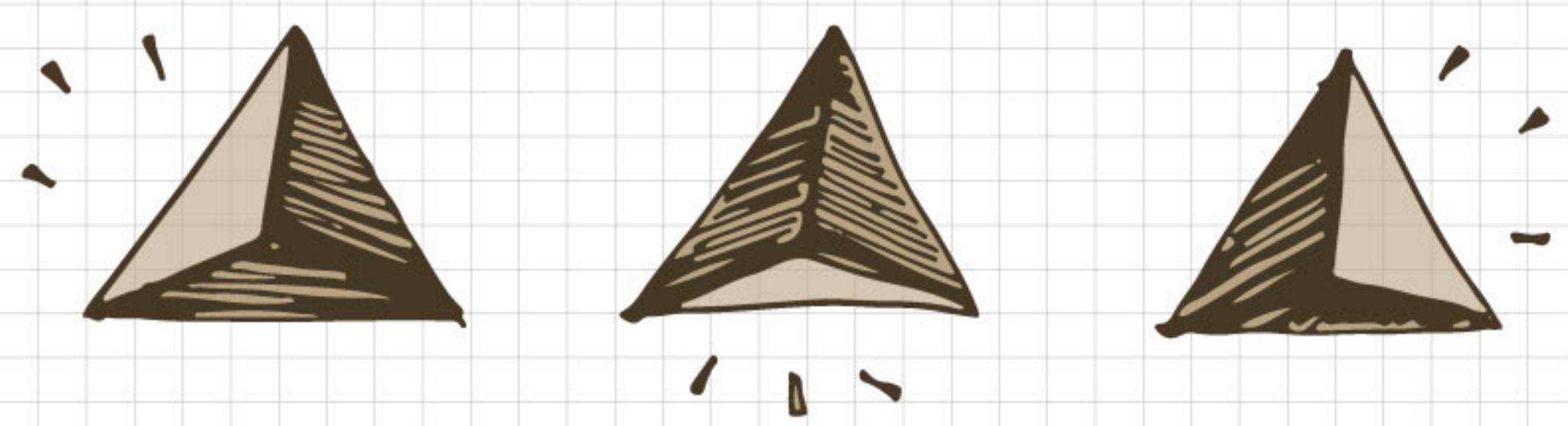


while...

▲ The triangular base relief structure provides the perfect condition to show EL properties which can control the shape of the lit up area,

EL

NORMAL BULB



WHY ... THIS STRUCTURE >>>

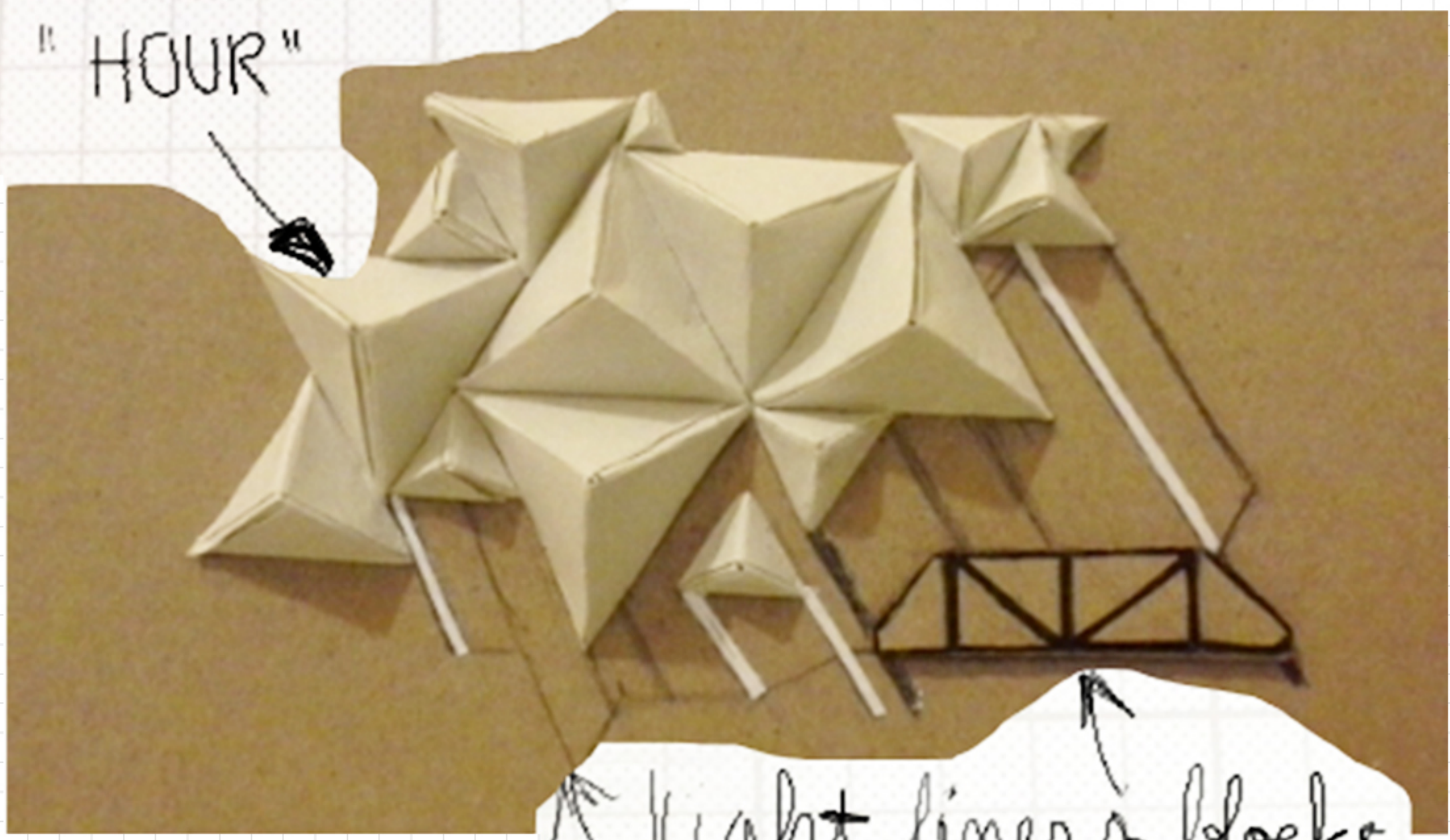
The structure provide the perfect condition to use EL to light up each part of the triangular structure because the result will not be able to be the same when replaced with the other kind of light. The entire area of each planar cannot be light up qually when using other type of light because it is unable to controll the specific form of the lighting area.

>>>SHOW PROPERTIES OF EL

wall cloud

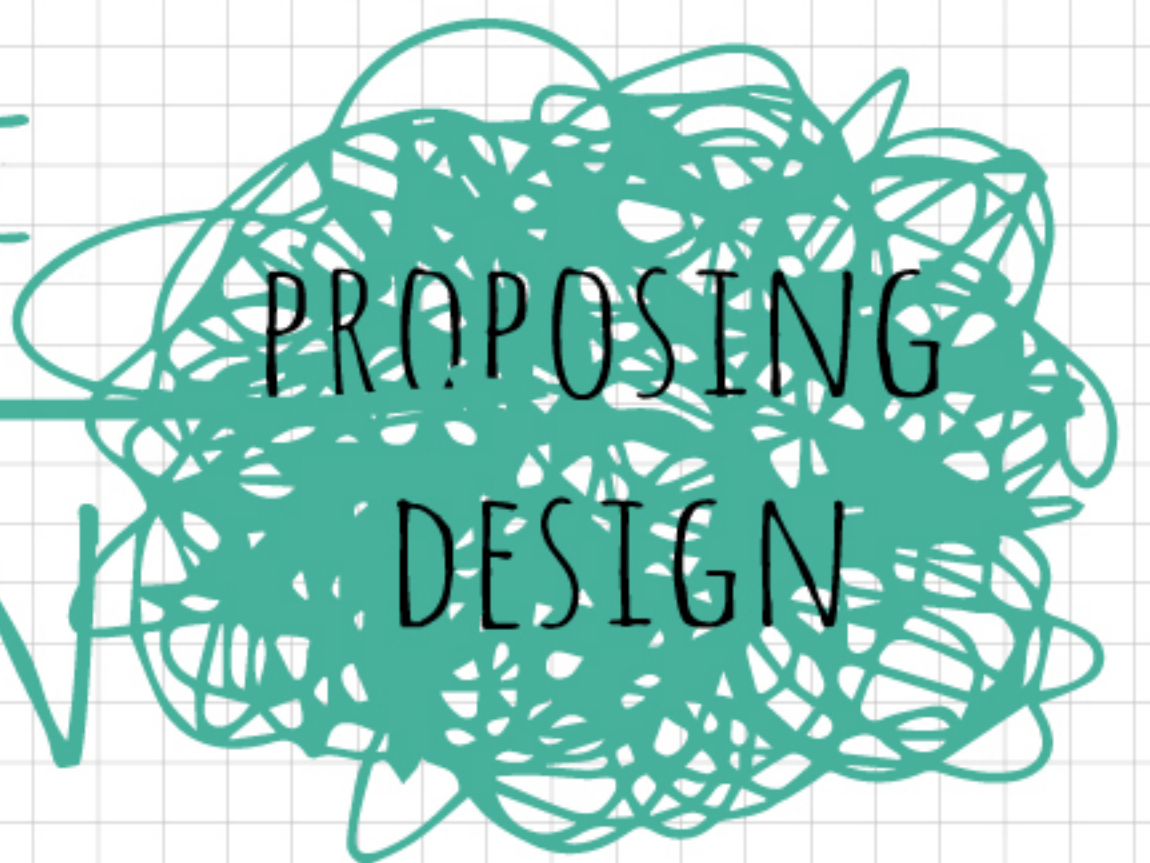


lights on the triangle
tell "HOUR"

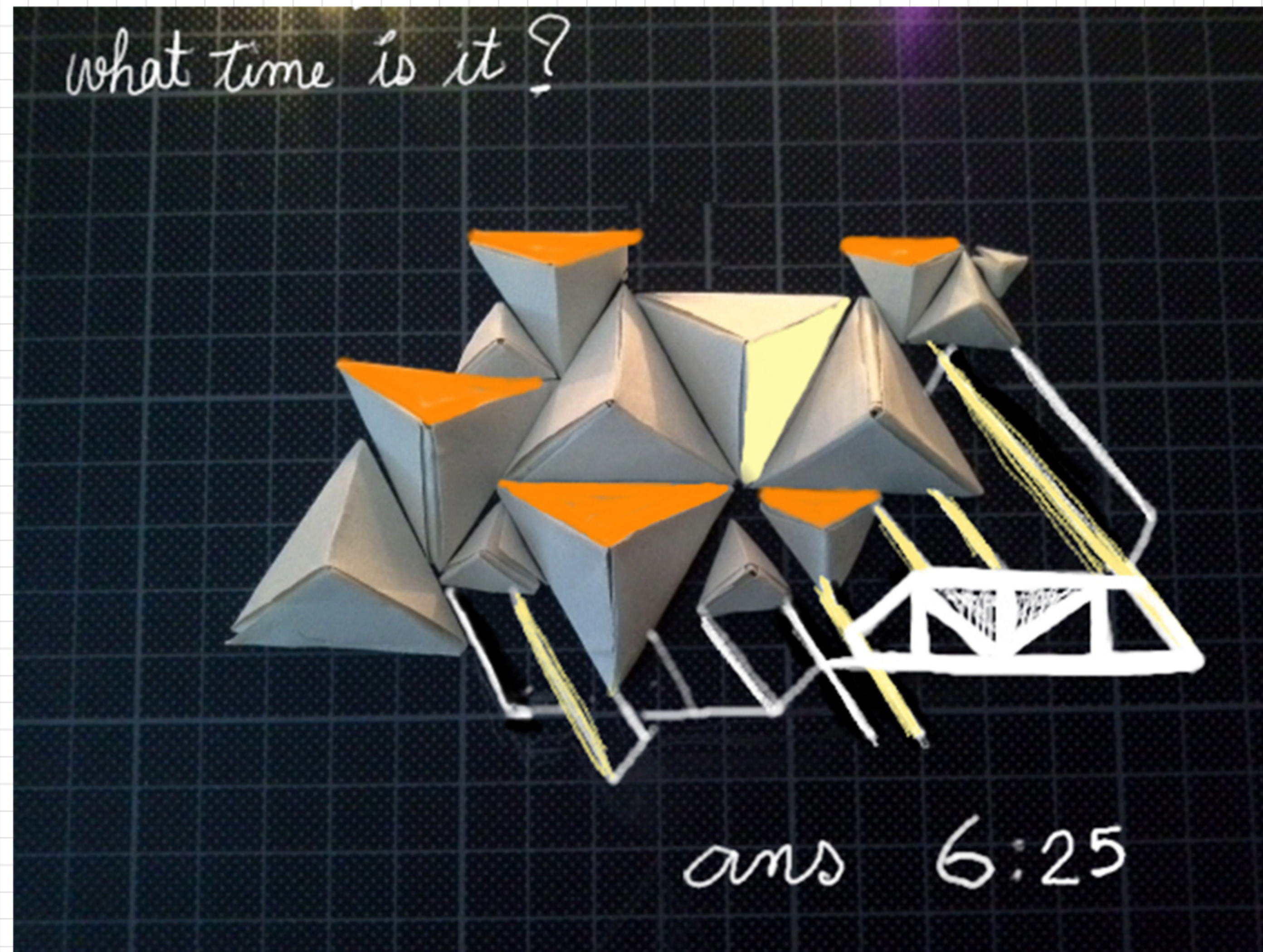


light lines & blocks
tell "minutes"

LIGHT CLOCK & MUSIC VISUALIZATION



wall Cloud



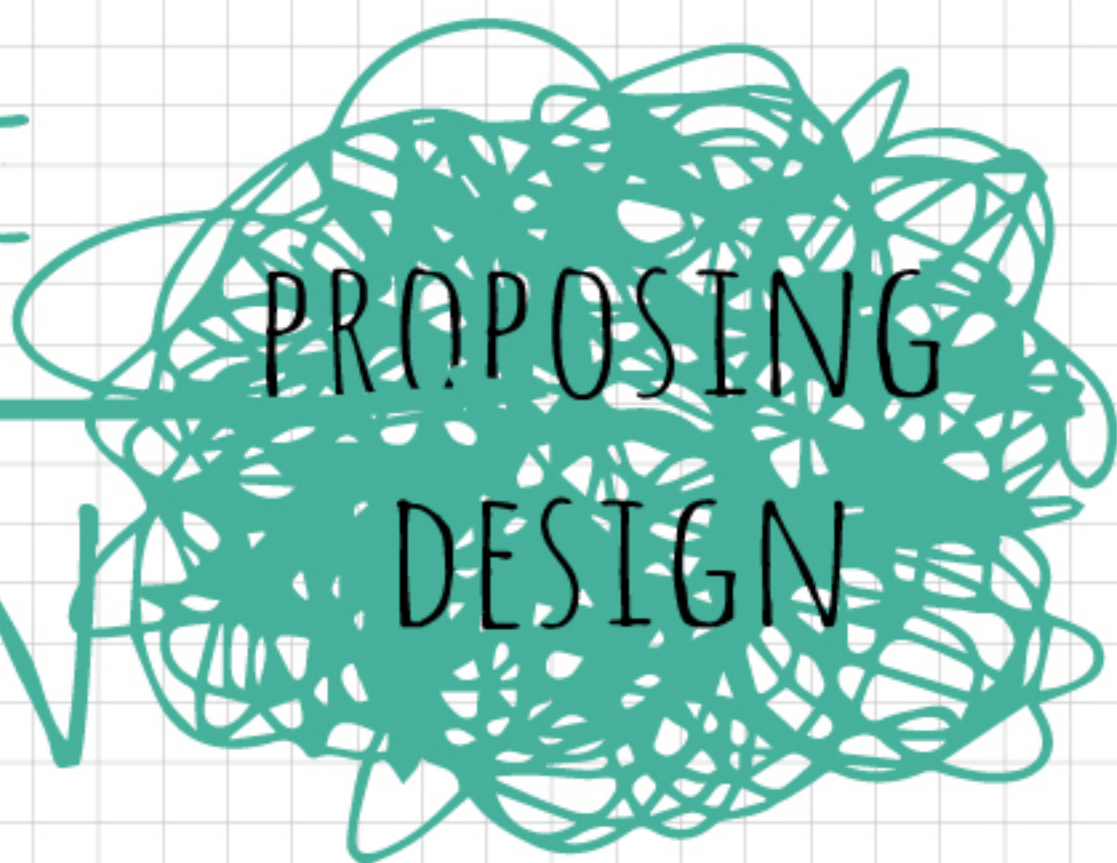
LIGHT CLOCK & MUSIC VISUALIZATION

PROPOSING
DESIGN

wall cloud



LIGHT CLOCK & MUSIC VISUALIZATION



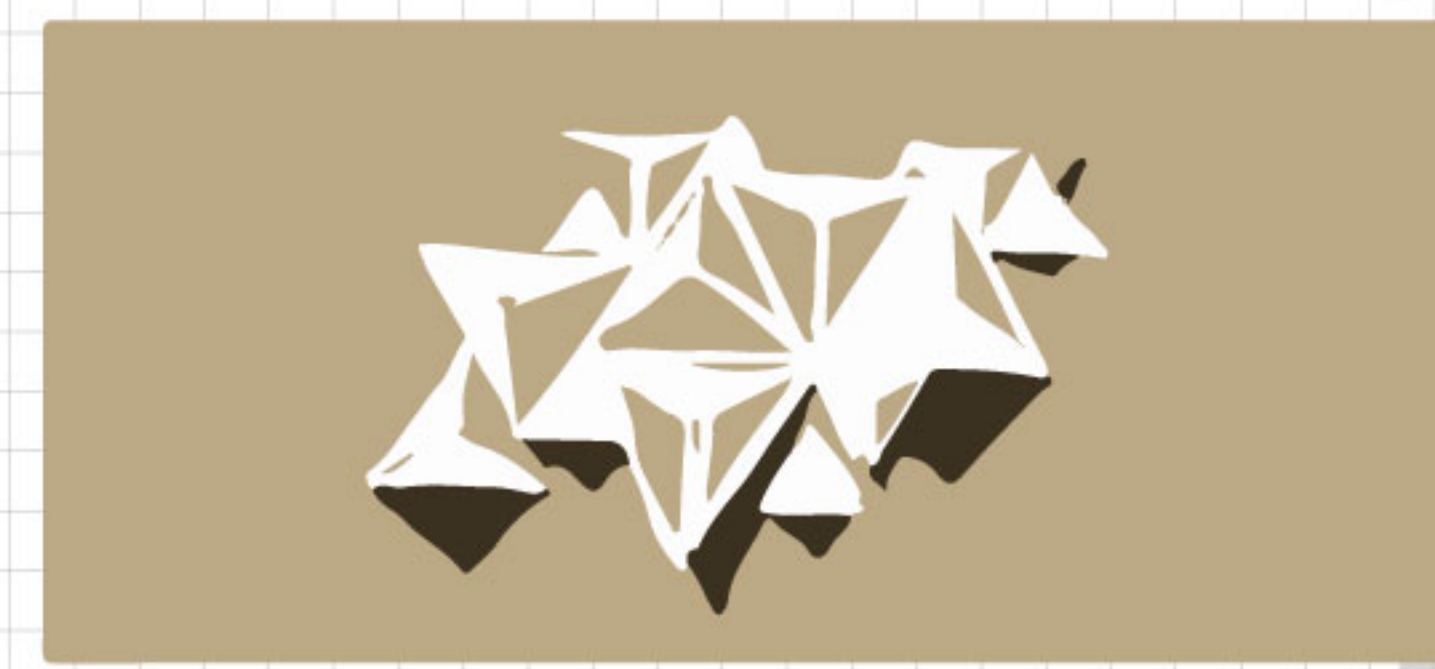
wall Cloud



Function : 2. Music visualization

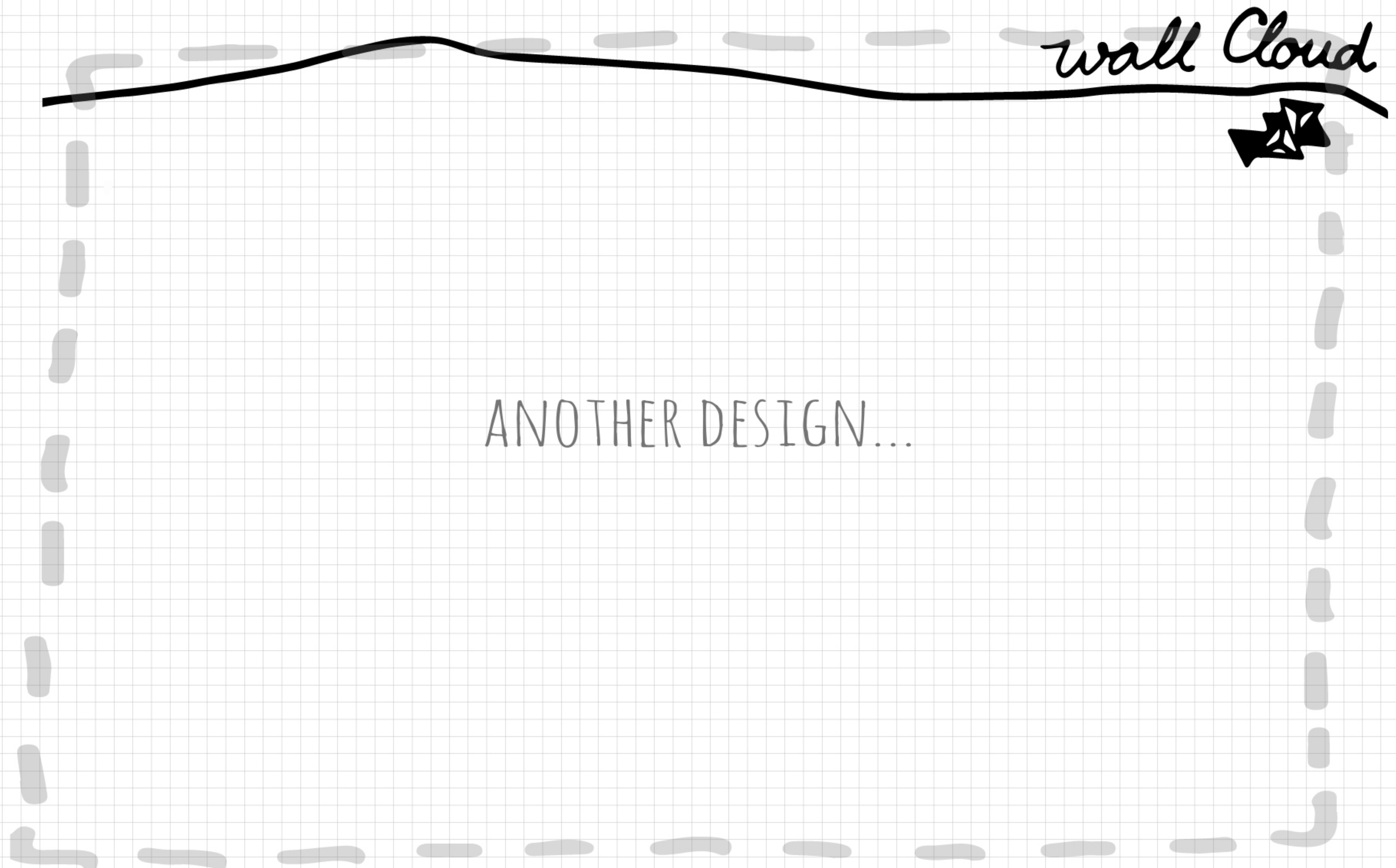
When a music device is connected to the panel The behaviour of the panel changes and show music visualization.

The implementation of this function can be achieved by recognizing the wavelength of the music file and according to the data. the visualization will be animated on the panel. Thus, emulating an abstract visualization with the music.

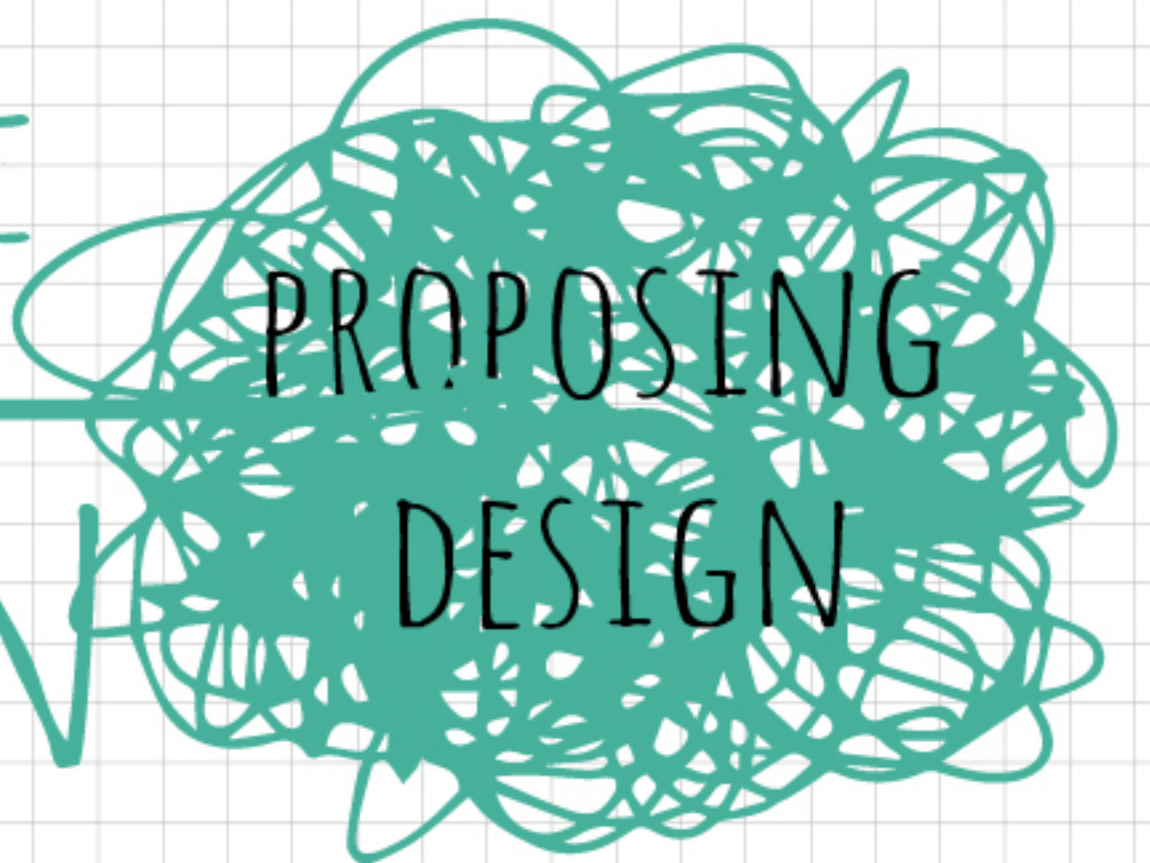


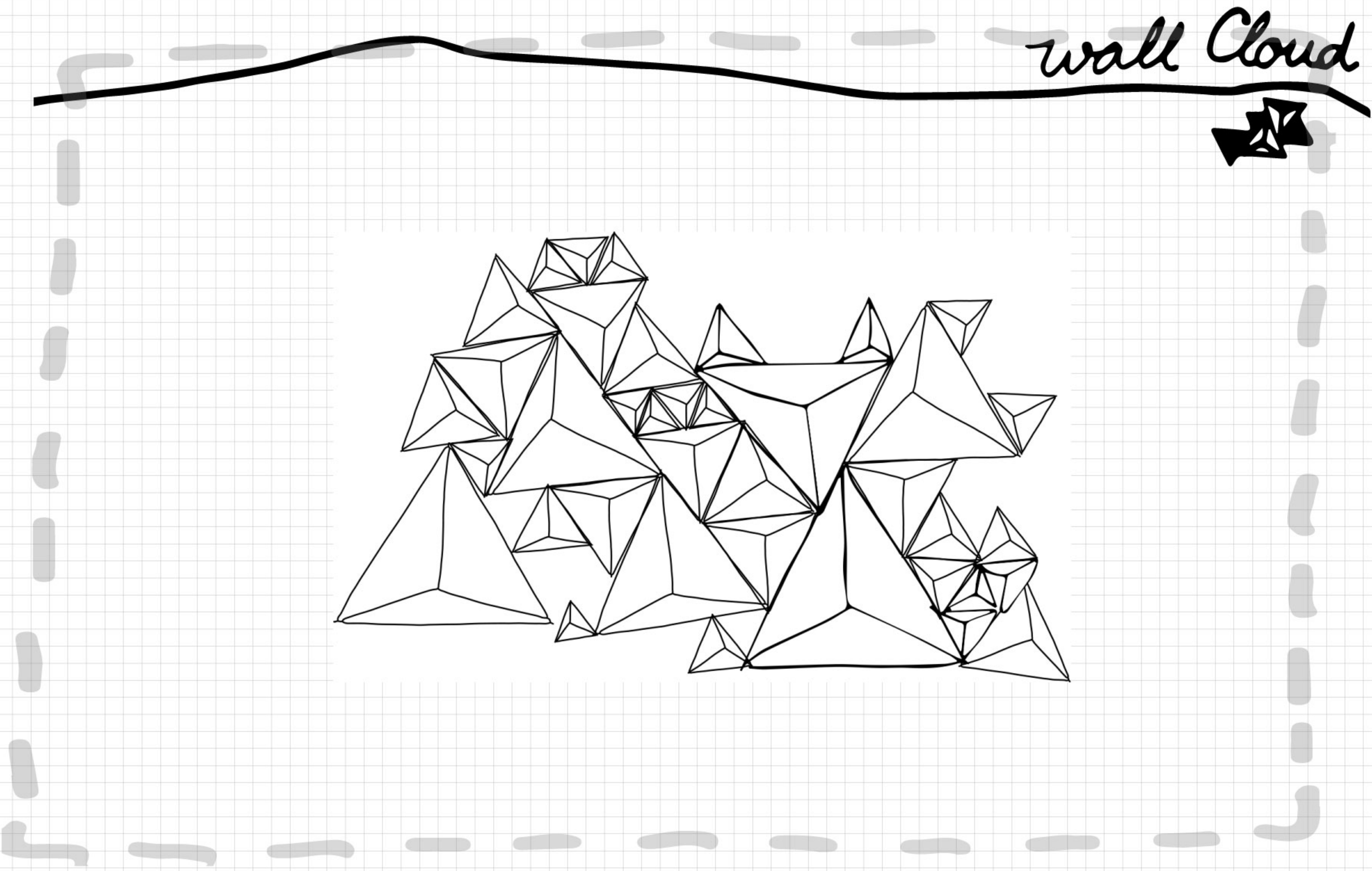
LIGHT CLOCK & MUSIC VISUALIZATION

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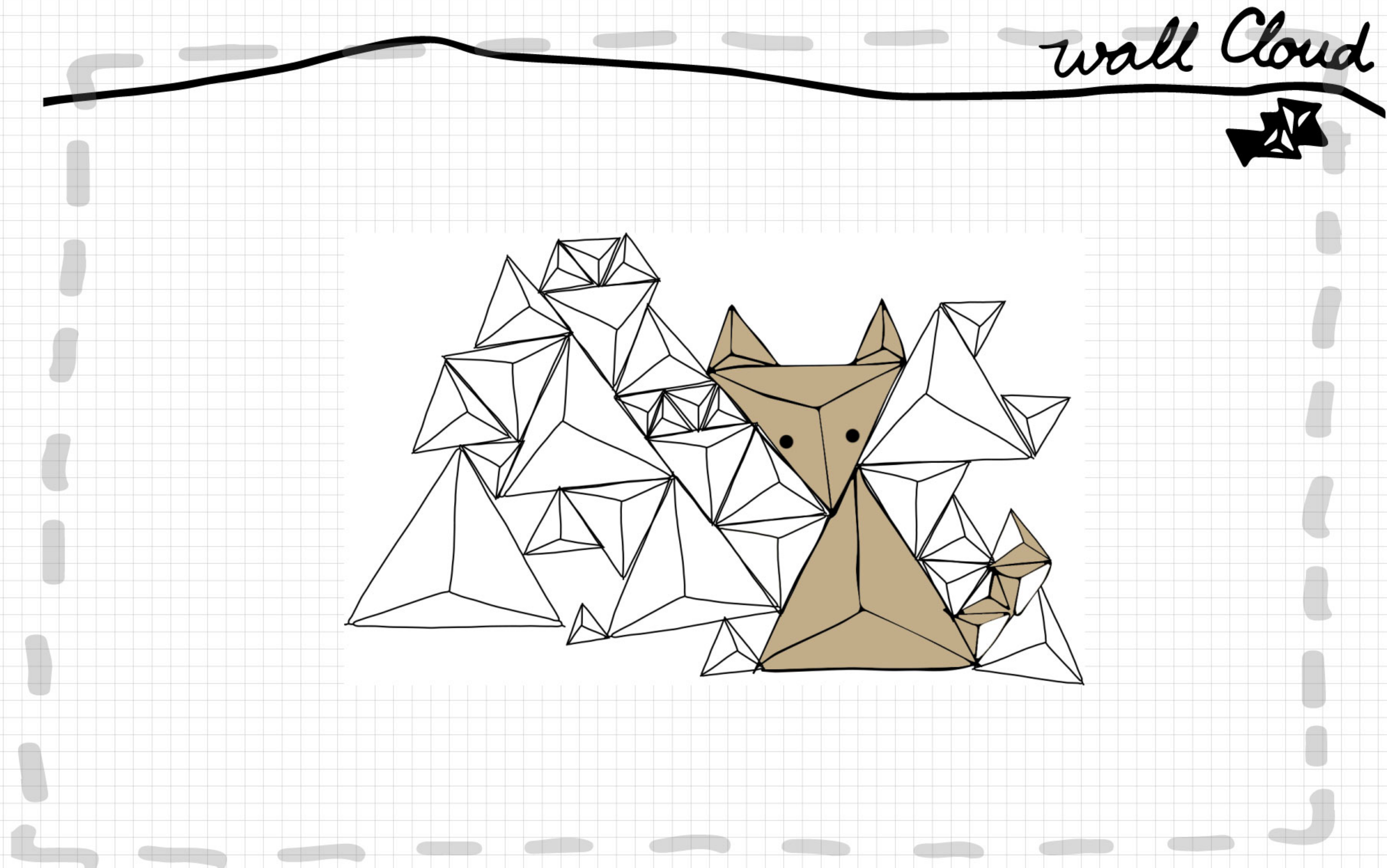
LIGHT CLOCK &
MUSIC VISUALIZATION





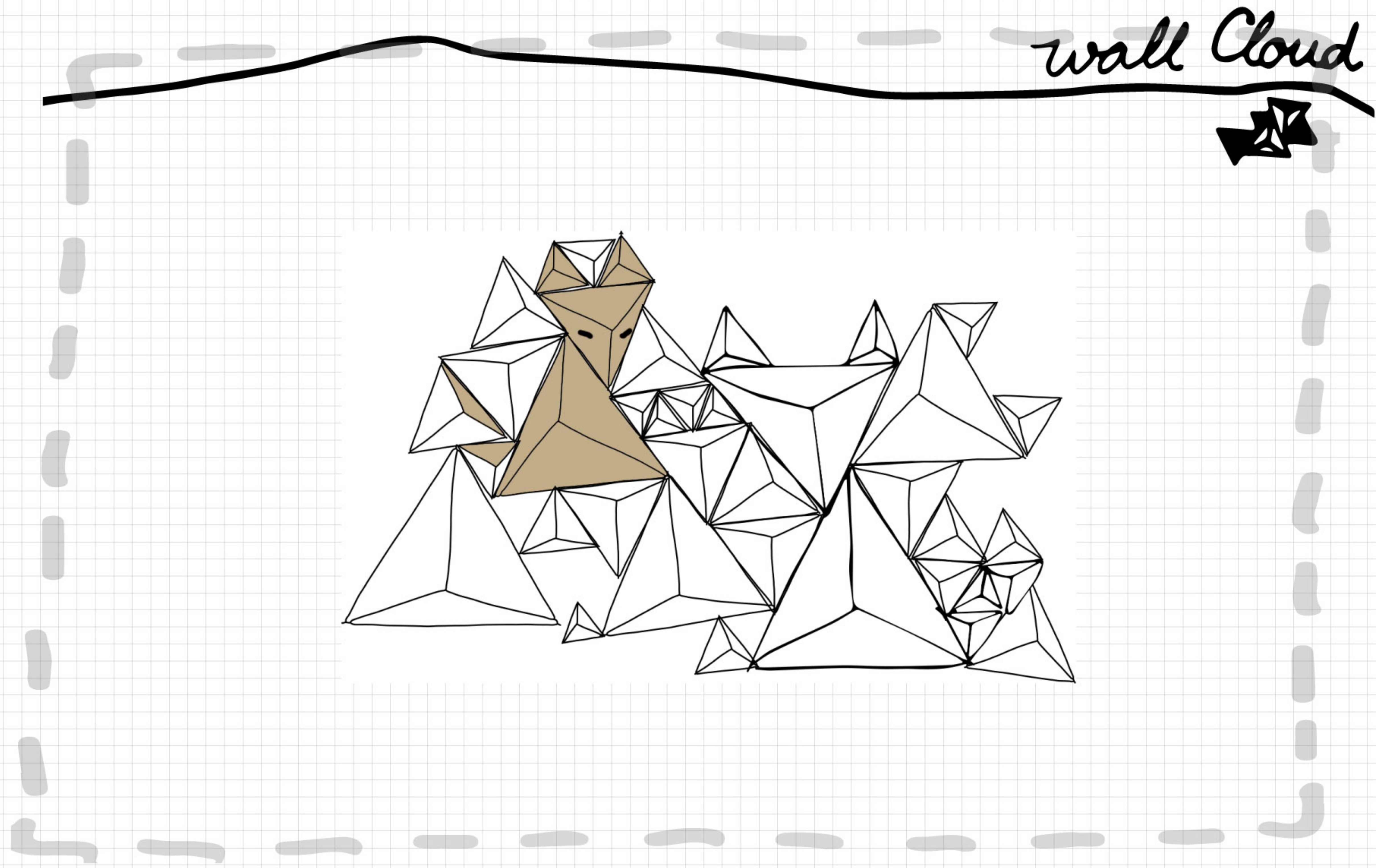
DESIGN

ANIMATED CHARACTER ON THE WALL



DESIGN

ANIMATED CHARACTER ON THE WALL



DESIGN

ANIMATED CHARACTER ON THE WALL

wall Cloud



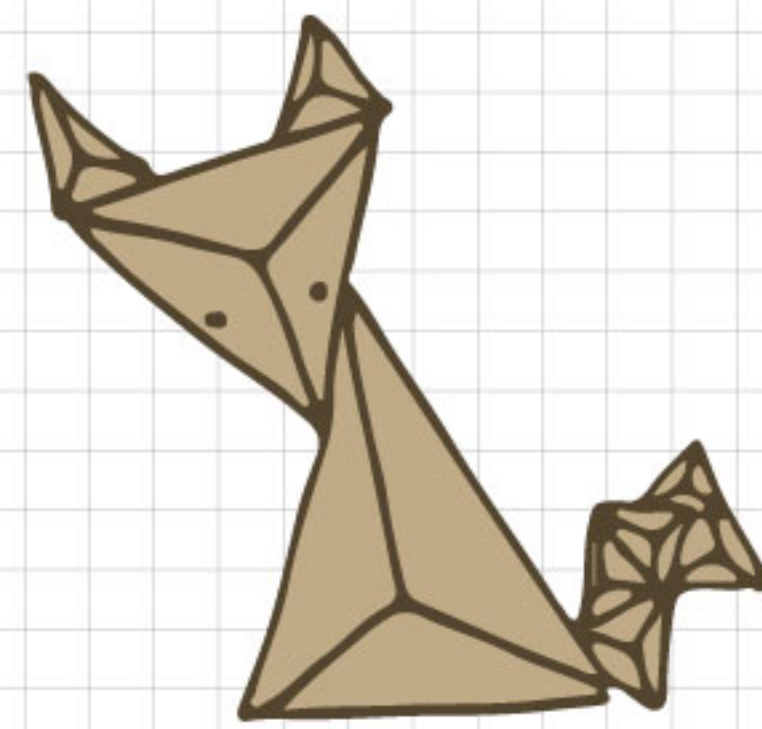
Further Design Development.

Due to the potential of this triangular structures which can be formed into any other figure, the previously proposing ideas are only examples of how to play with light on this pattern.

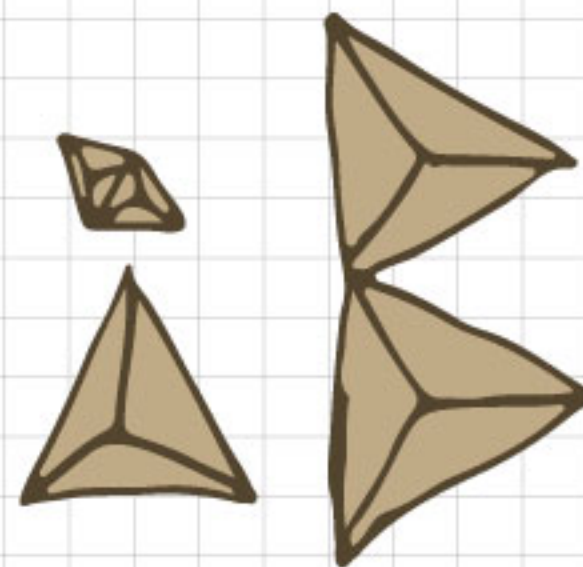
The design can be developed further to unlimited design possibilities

↓ lead to

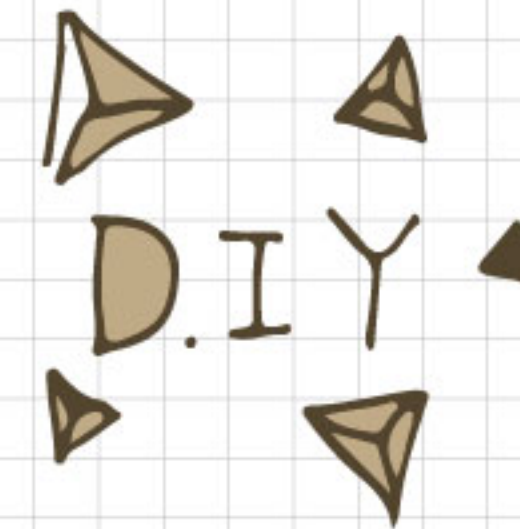
wider market



Character



informative

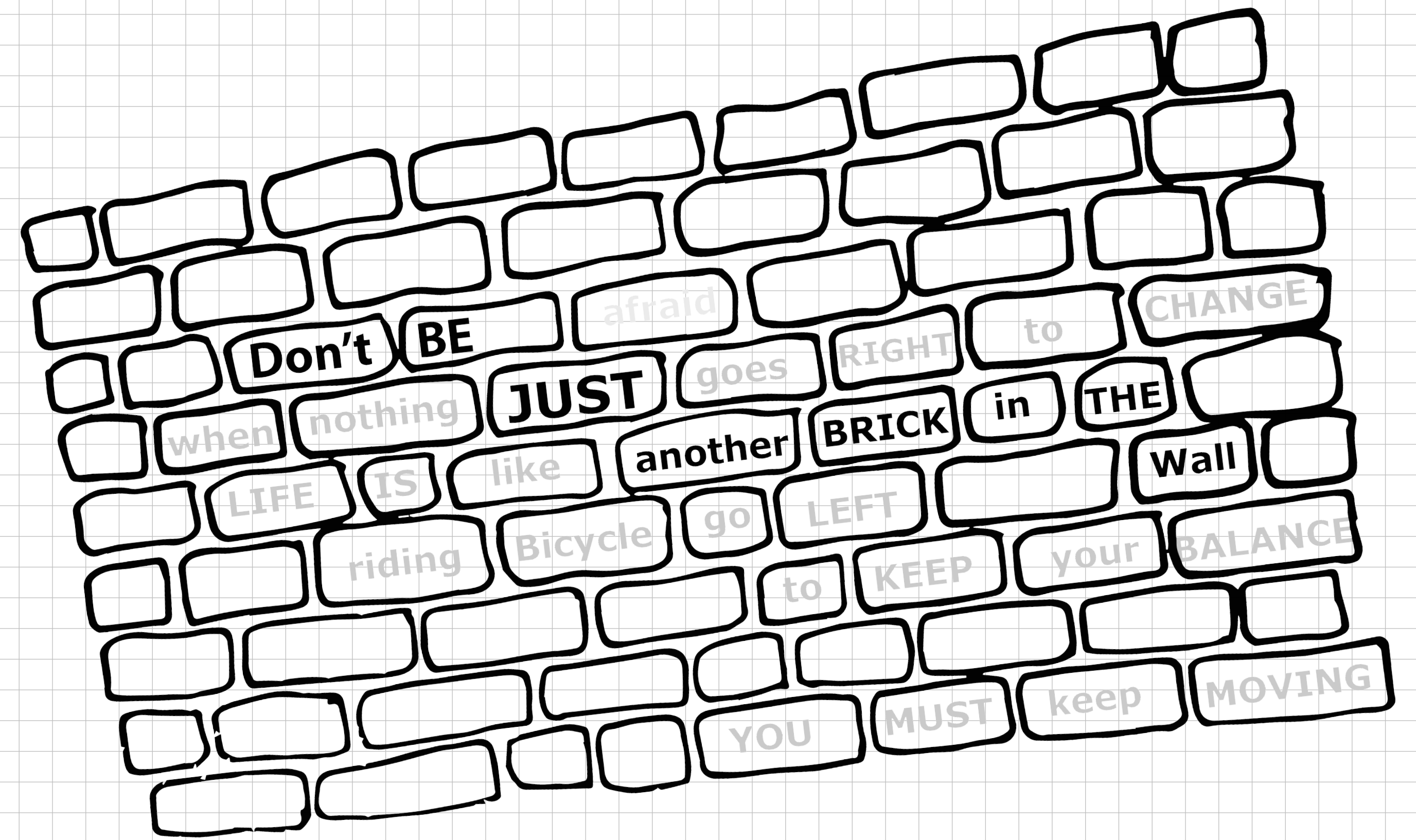
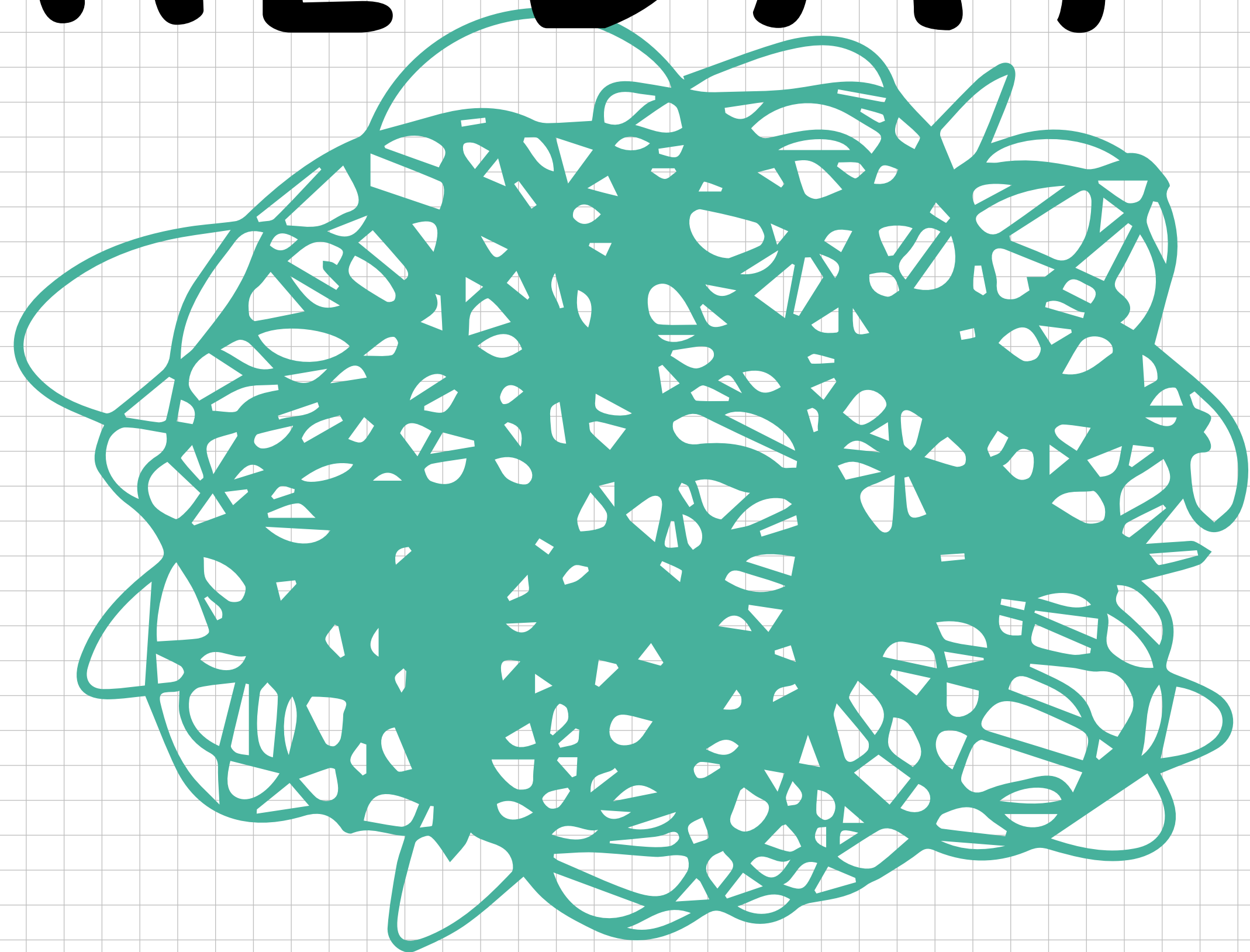


Personal Design

FURTHER DESIGN

DEVELOPMENT

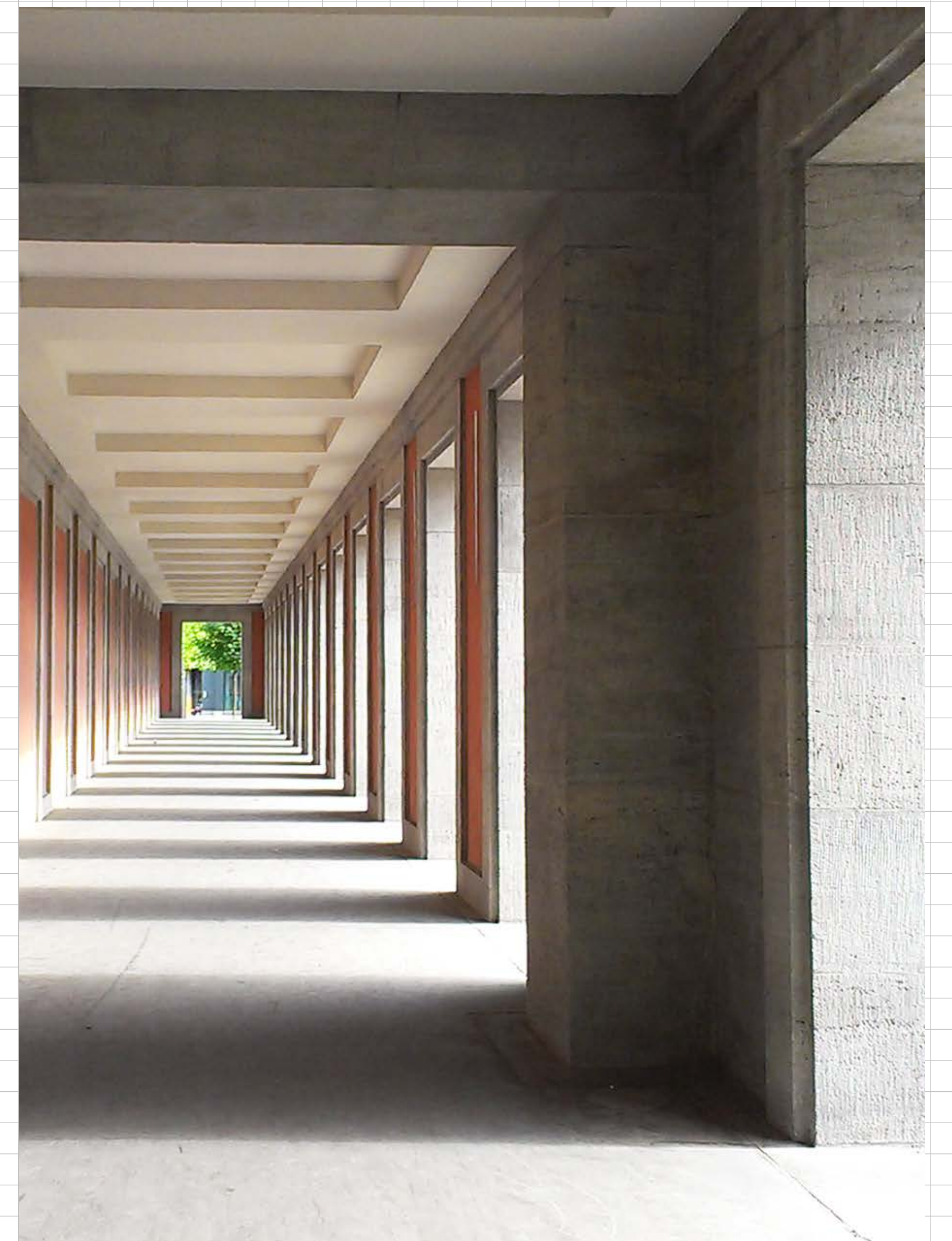
QUOTE OF THE DAY



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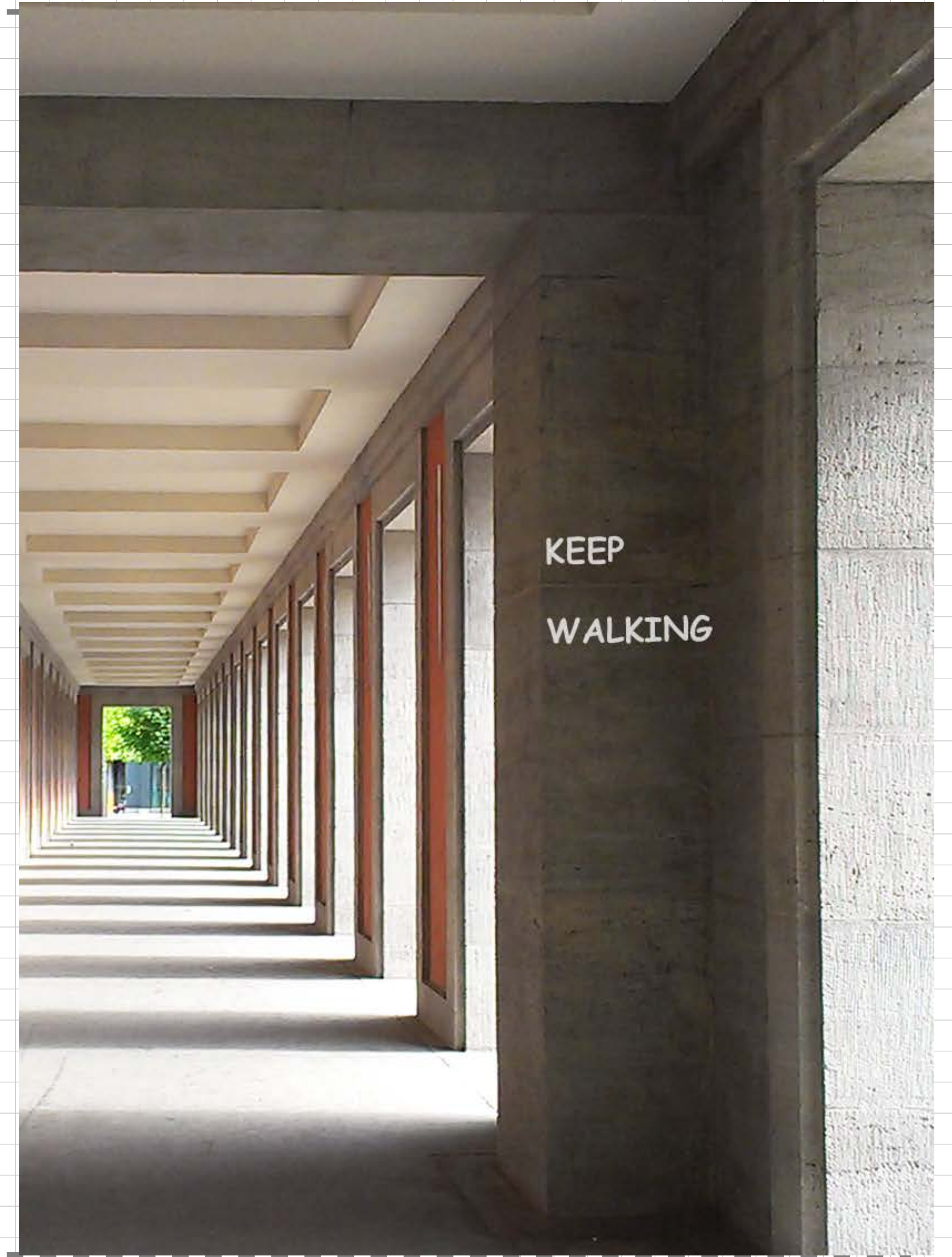
MARIAM GIGUASHVILI



STREETS AND WALLS IN URBAN SPACE

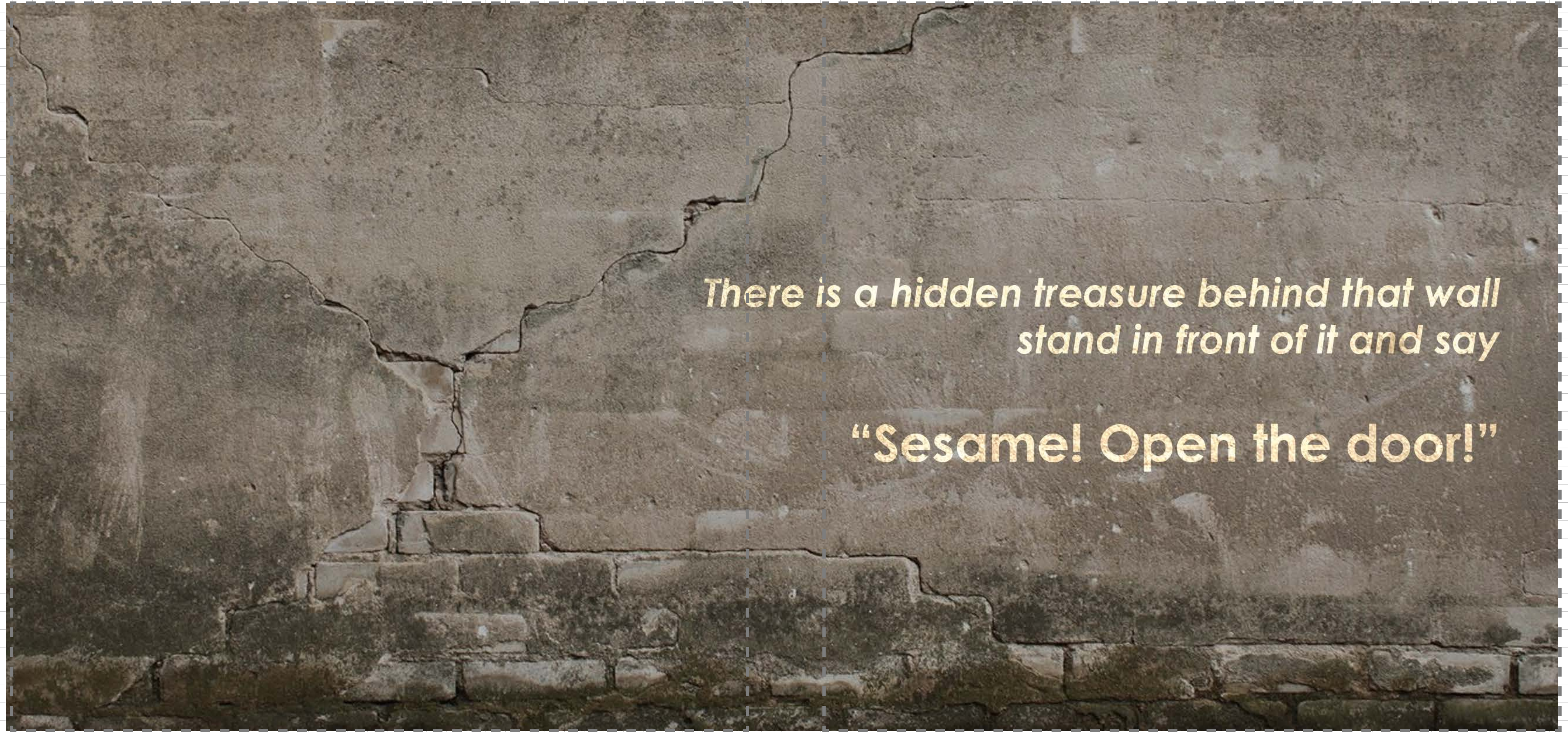
Nowadays the life in a big city is very busy and stressful. People are working hard, sleeping less and mood is mostly gloomy. Especially if in urban space there is a lot of ugly and monotonous walls and surfaces.

To make those places more interesting and useful I decided to put daily inspirational quotes on the walls. Using OLED folio having different textures, like a concrete, or bricks, or tiles of stone, and install behind it special word patterns, allows a boring surface to be turned to the interactive



INSPIRATIONAL QUOTES

On the same surface will be located several word combinations. I will use different objects as a switcher of quotes e.g. the random tiles on a pedestrian area. When somebody steps on it, word combination on the wall changes. Using a doors and windows as a switcher is also possible. When somebody will open the door or window, quote will change.

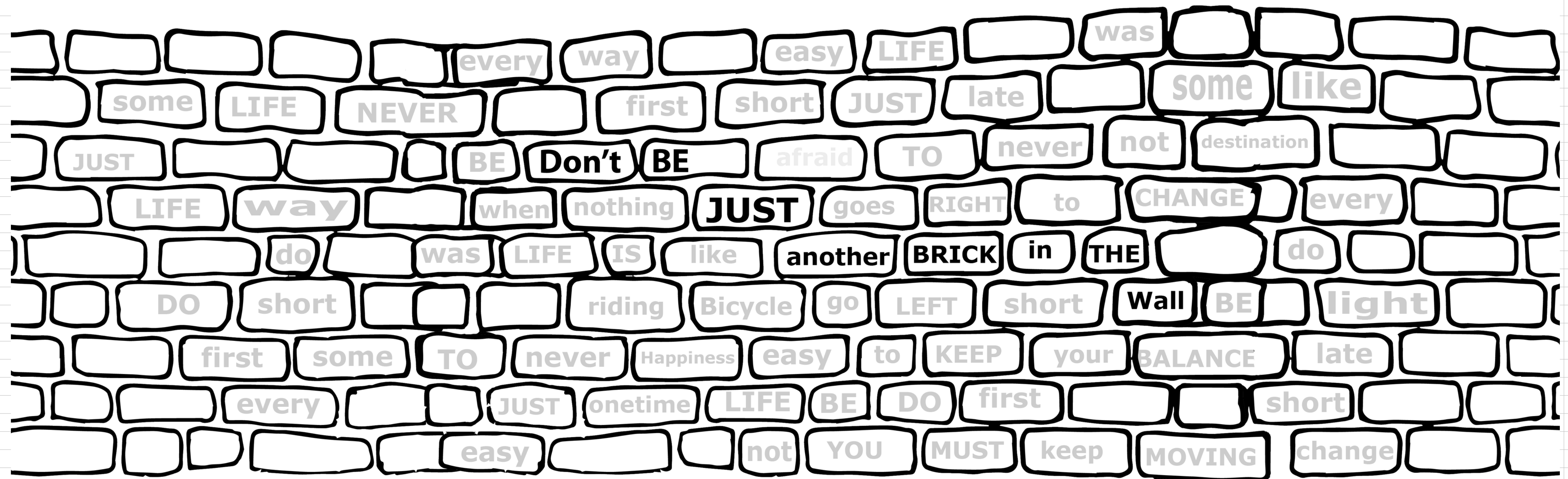


*There is a hidden treasure behind that wall
stand in front of it and say*

“Sesame! Open the door!”

CITY GAMES

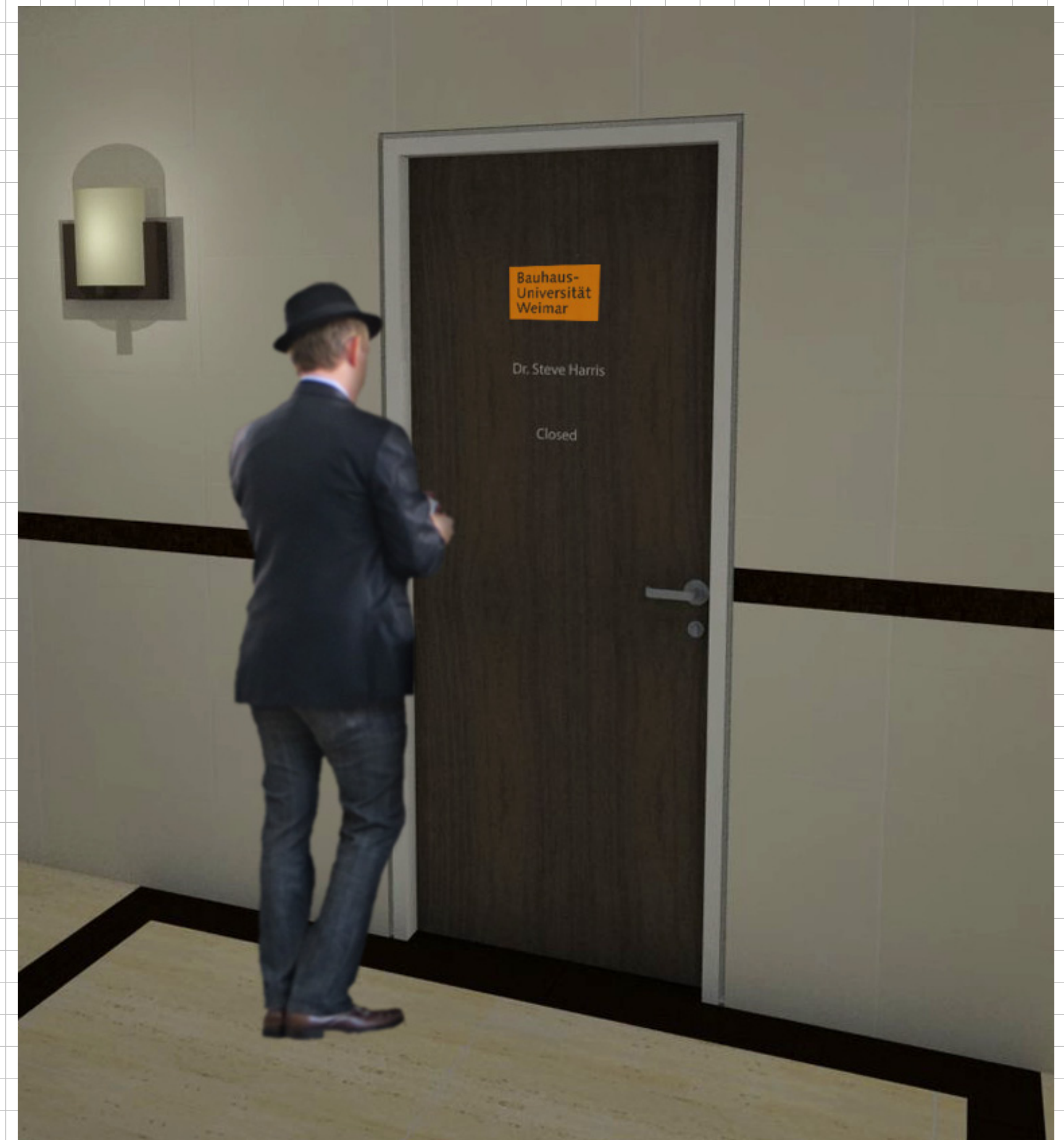
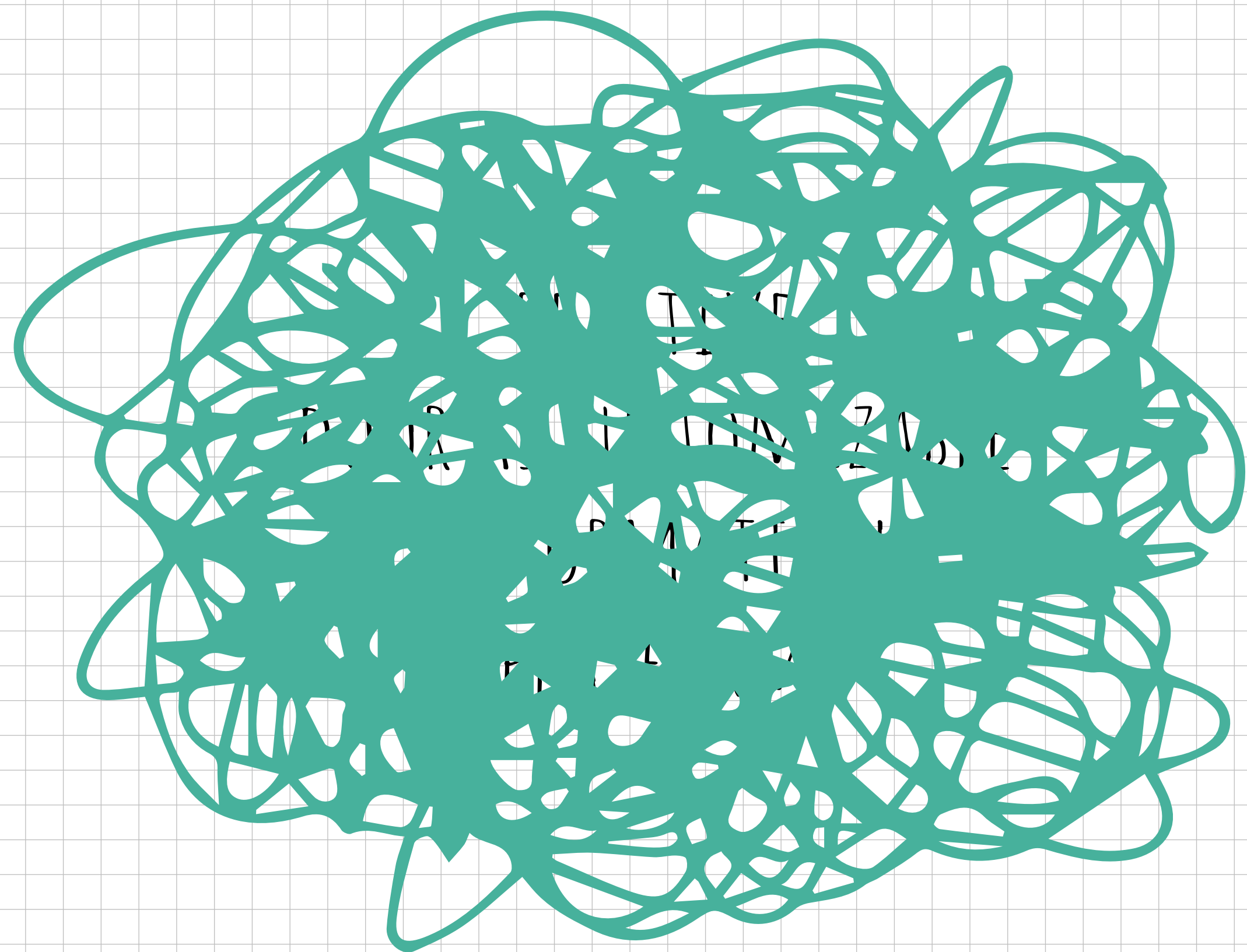
Hidden text for city games



PATTERNS

People go every day at work, sometimes sleepless or with weariness, they can find some inspirational- phrases on a corner of the street, or behind the bus stop, or entrance of the office building and make their day.

LUMINESCENT SMART DOOR



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REINALDO VERDE



LUMINESCENT SMART DOOR

The objective of the Luminescent Smart Door proposal is to integrate electroluminescence into architecture to create a reactive information platform connected to and controlled by the ever-present smartphone.

The door would be covered with electroluminescent surfaces containing predefined text and images, which would be covered by decor foil. Then such images and text would appear when people

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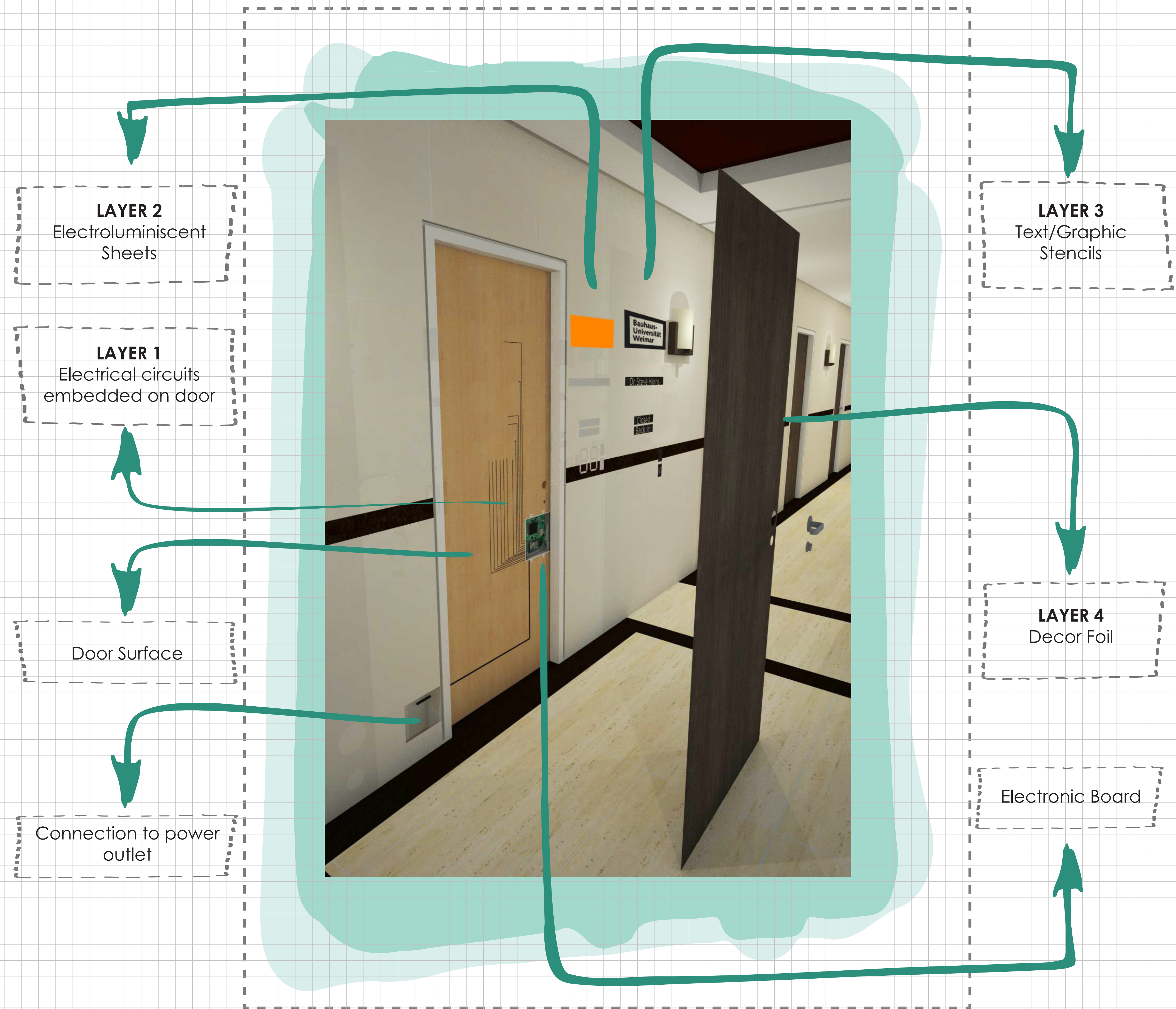
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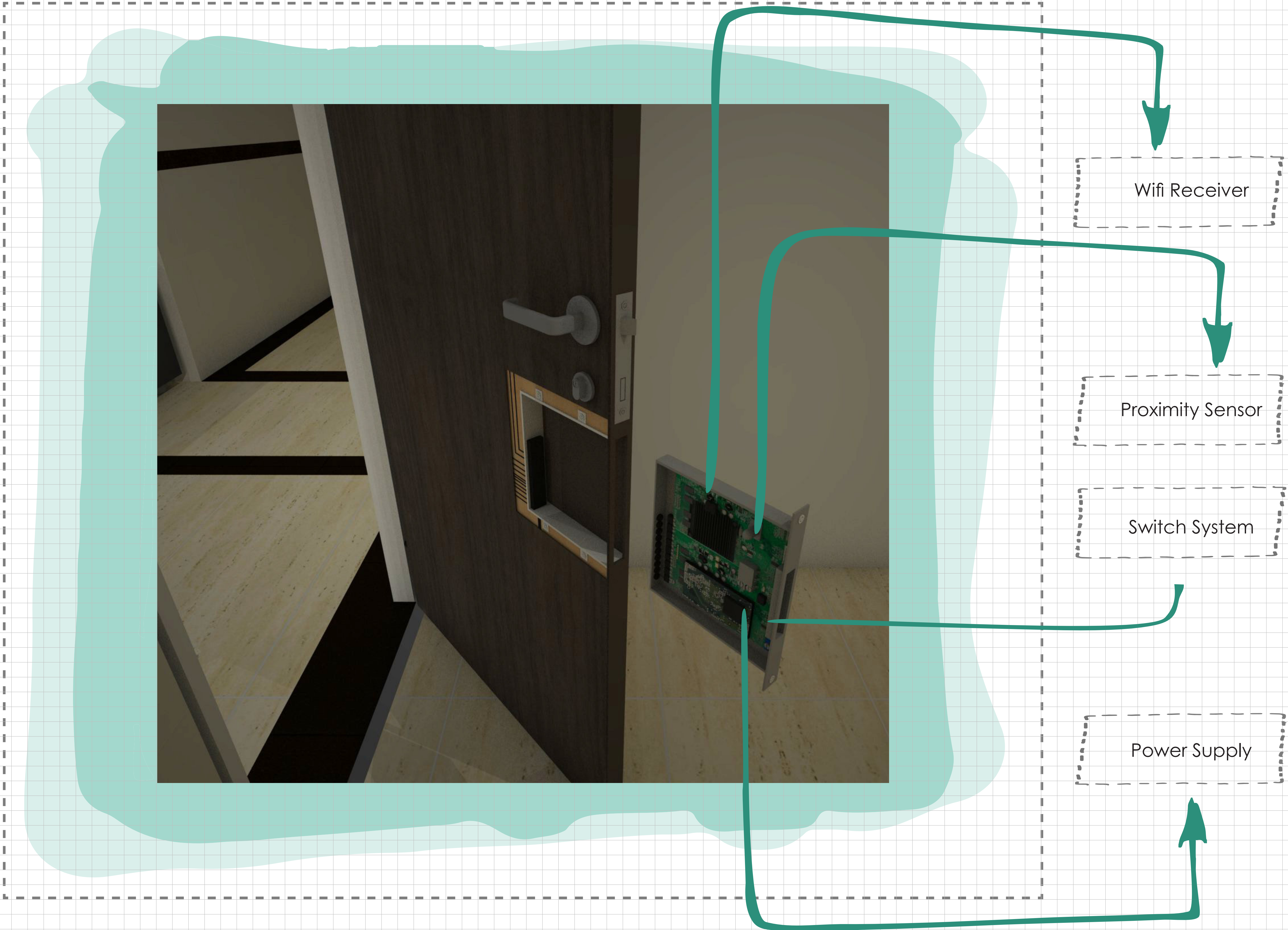
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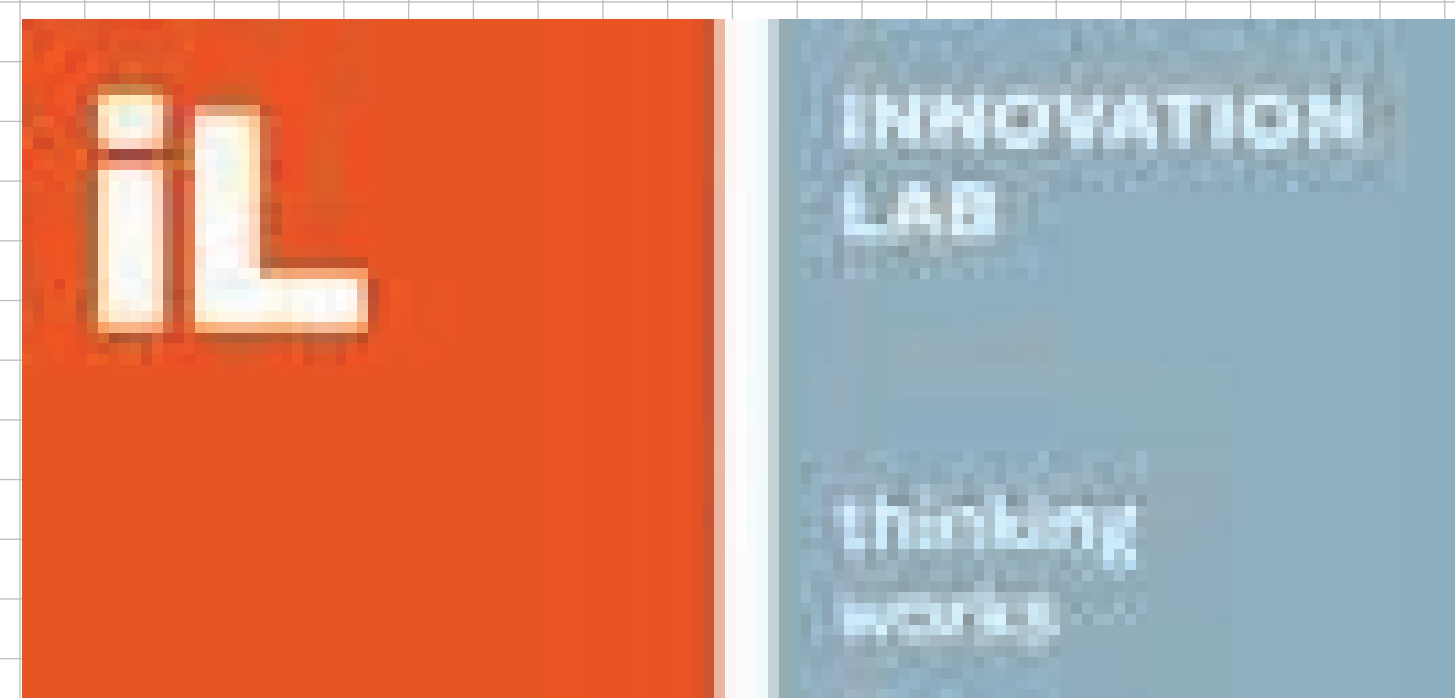
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MASTER PROJECT

Media Art & Design (MFA)
Media Architecture (MSc)

Prof. Dr. Jens Geelhaar
jens.geelhaar@uni-weimar.de



InnovationLab_Heidelberg



Bauhaus-Universität Weimar

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