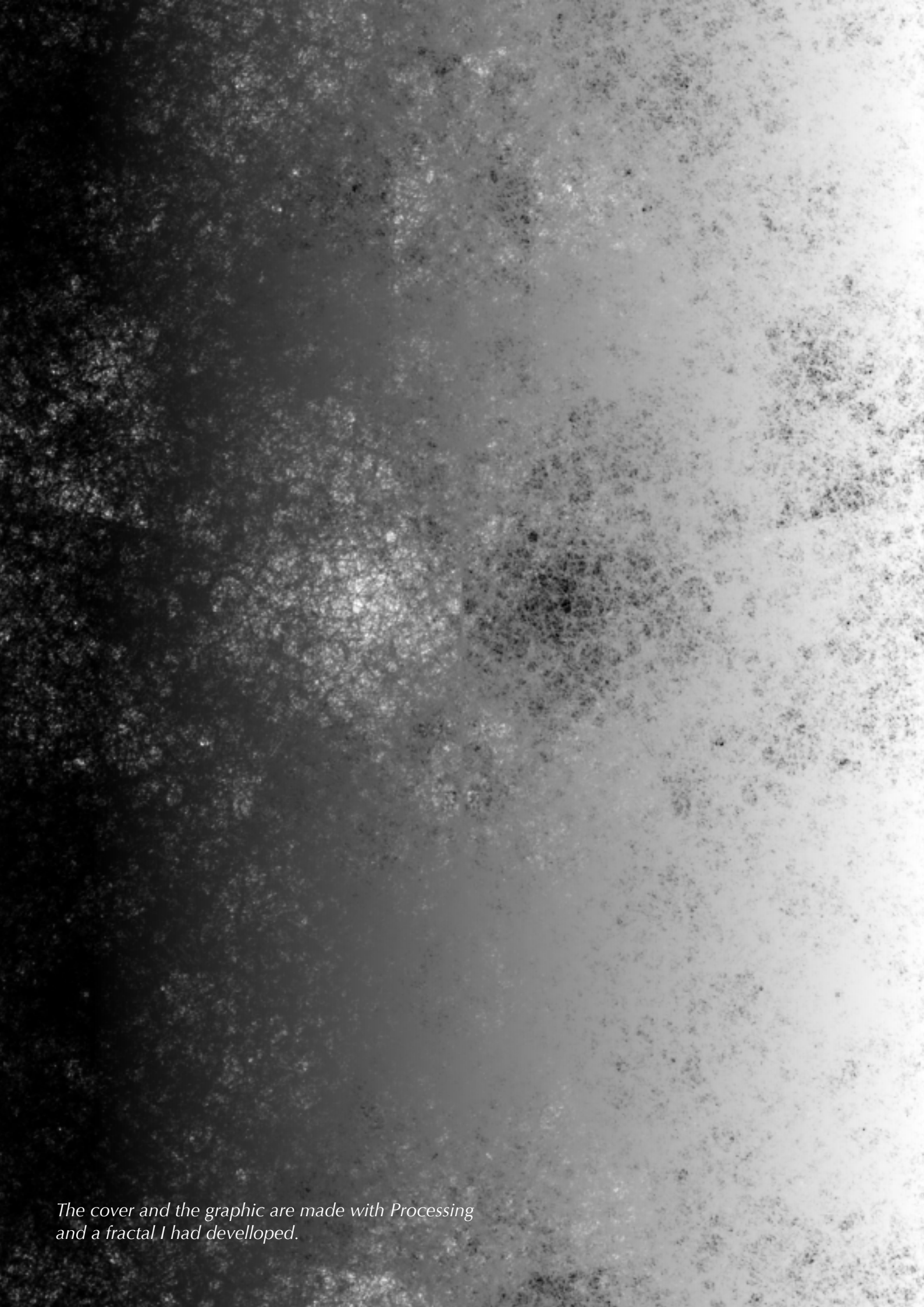


<http://lu.ks.free.fr/english>



*The cover and the graphic are made with Processing
and a fractal I had developed.*



All this portfolio is linked to my website :
Flash the QR codes to learn more about my works.

DESIGNING TOMORROW'S LIGHTING

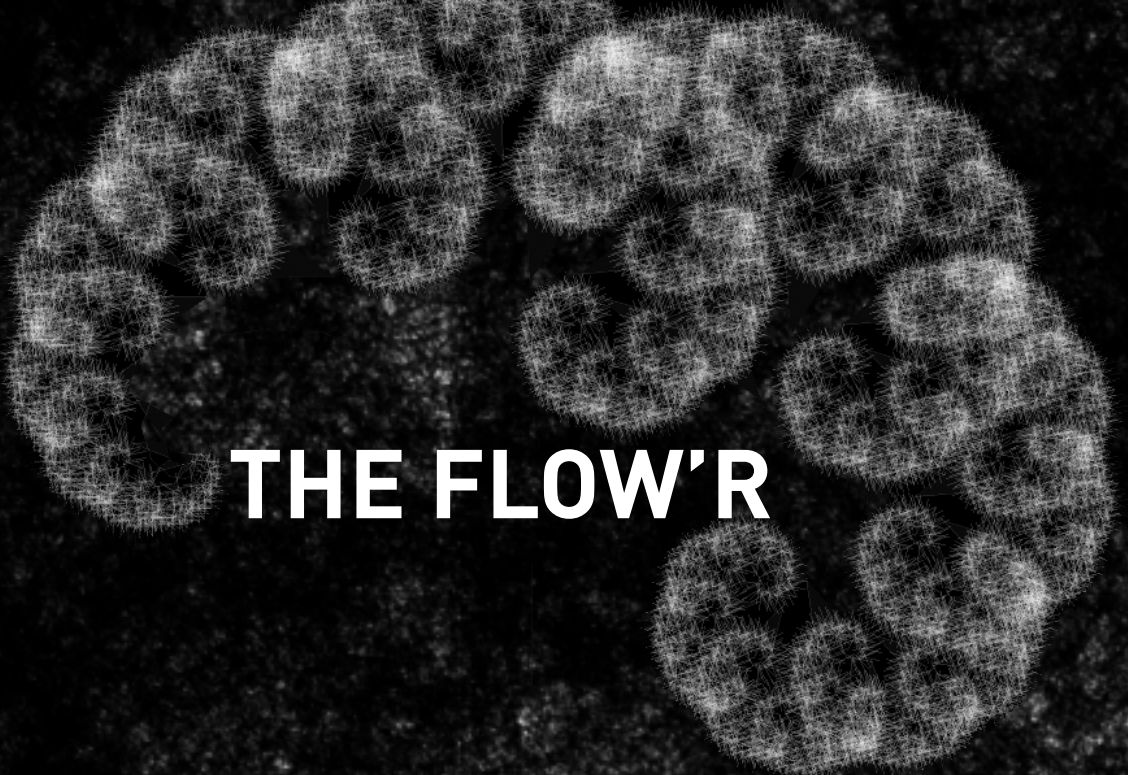
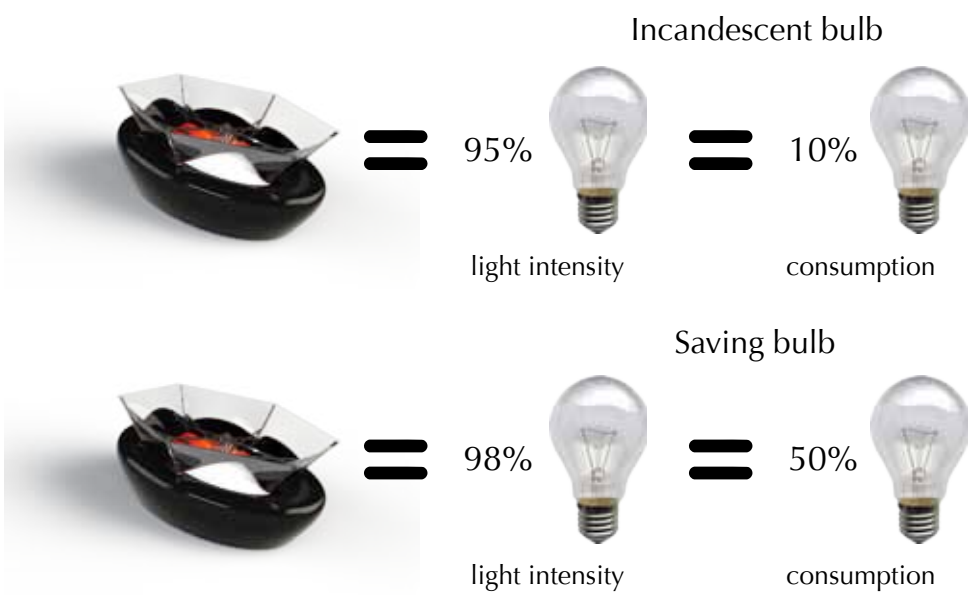
The Lamp didn't stop since its creation to aim towards immediacy, repeatedly freezing and repeated into two binary states, on-off.

But wouldn't we appreciate to relook this invention, which was certainly the man's first proof of his ability to modify, adapt, design his surroundings to get the best out of it?

Although formerly lighting, essentially characterized by the control of the fire, used to give a certain warmth to the environment, revealing shadows, vibrating, earthy, natural, nowadays we aim towards an aseptized lighting, cold, unobtrusive, technological.

Of course our habits have been modified by modernity, our rhythm has increased, we are looking for more modularity, more power for less energy, and although a certain amount of self-government from our furniture.

So, tomorrow's lighting will have to be sparing energy using low energy bulbs and to be in use only when really needed. It will be modular too, able to adjust to user needs, getting rid of the passive furniture to catch up with smart furniture with a certain mimicry, conducting to sensitivity and functional consistency.



THE FLOW'R

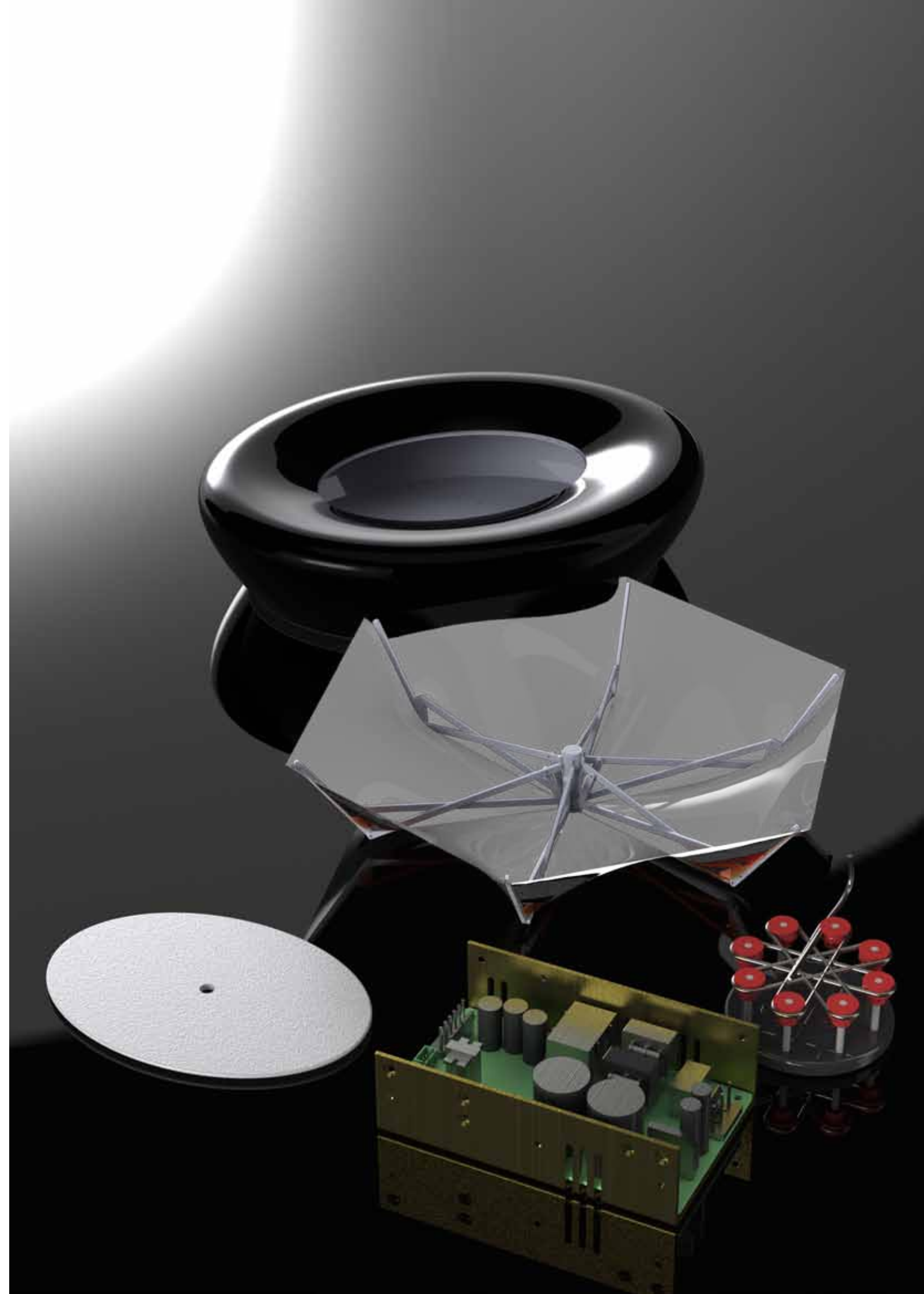
THE GROWING PROBLEM OF LIGHT POLLUTION

The expression light pollution indicates at once the abnormal or annoying night-presence of light and the consequences of the night-artificial lighting on the ecosystems as well as the effects suspected or turned out on the human health. It's often associated with the notion of wasting of energy, in the case of a badly adapted artificial lighting, if it establishes an avoidable spending of energy.

As that of the pollution of the sky which sometimes replaces it and which indicates particularly the disappearance of the stars of the night-sky in urban zones, where the recent notion of light pollution, is appearing in the 1980s.

In the XXth century, a joint increase of the electric production, the offer in equipments of lighting and a request of safety (on behalf of the

public and the elected representatives) is generally quoted as main cause of a trend to the increase of the urban and outer-urban illumination. Polished ticks of street lighting led to an increase of the bright halo and the light pollution which was measured by satellite (in 5 in 10 % a year for the end of 1990s, with 19 % of the global surface concerned according to Cinzano¹²). The commercial, electoral stakes and in image contribute to the increase of the lightings. The recourse to panels and neon signs increased the luminance of the night-environment.





MODULATION PRINCIPLE

the Flow'r can of course give meaning only, in its peculiarity, but it's also designed to evolve in modules. So, having created your own layout of Flow'rs, and thanks to a radio module, these will can, according to three possible configurations, and your envy :

- Ignite all at the same time, dices which somebody goes into the room
- Work by individual modules, so that only the ideal quantity of Flow'rs illuminate the room
- Or in a random way, in a corridor for example, so that, more we move in this one, more the Flow'rs is illuminated, in an unexpected way, as well in front of one as behind one.

So imagine about ten Flow'rs, being illuminated in a anarchy way, so creating an unexpected, almost Amazonian atmosphere.

CONCIDER THE TODAY'S LIGHTING

We can henceforth draw some conclusions on what should be today, a domestic lamp:

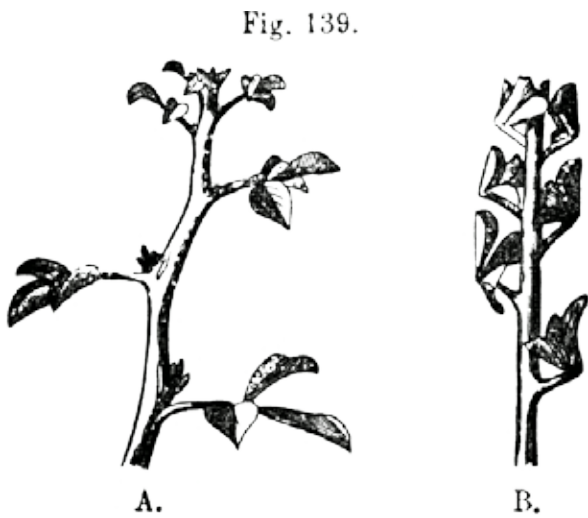
- He has to be spécialisable, to answer at best the wishes of the user
- Energy-efficient, as well as in times of functioning, to correspond exactly to what for what he(it) is intended, with least possible impact
- Be easily machinable, to get(touch) a wide public
- Compound of materials on natural base, without solvents, without phtalates, for reasons of health and ecology.
- Easily knockdown, to recycle cilement fa and at most the product



FROM BUD TO FLOWER

The flower is a invaluable repro-
ductive organ formed from leaves
transformed for that purpose.

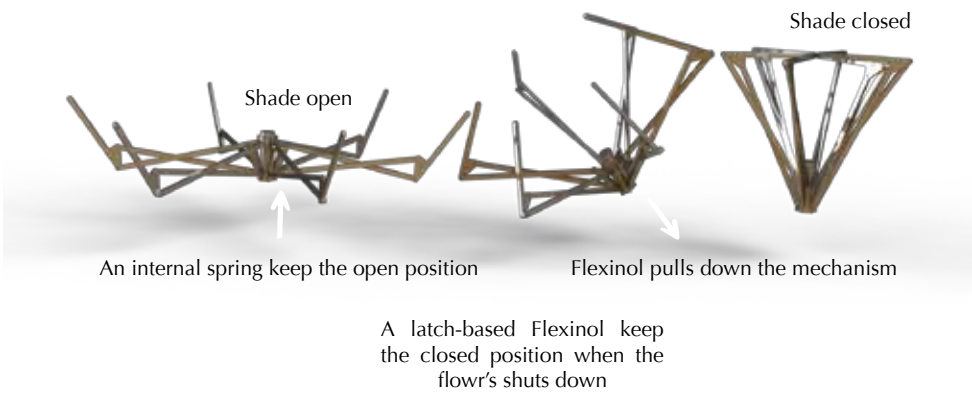
When the flower opens at dawn,
the cells of the outside surface of
petals take some expansion. When
it closes in twilight, it's rather the
cells of the lower surface that
widen.
Its mechanisms allow to react ac-
cording to the environmental
factors.
We could try to reproduce move-
ment in an object of every day, to
bring it more sensibility..

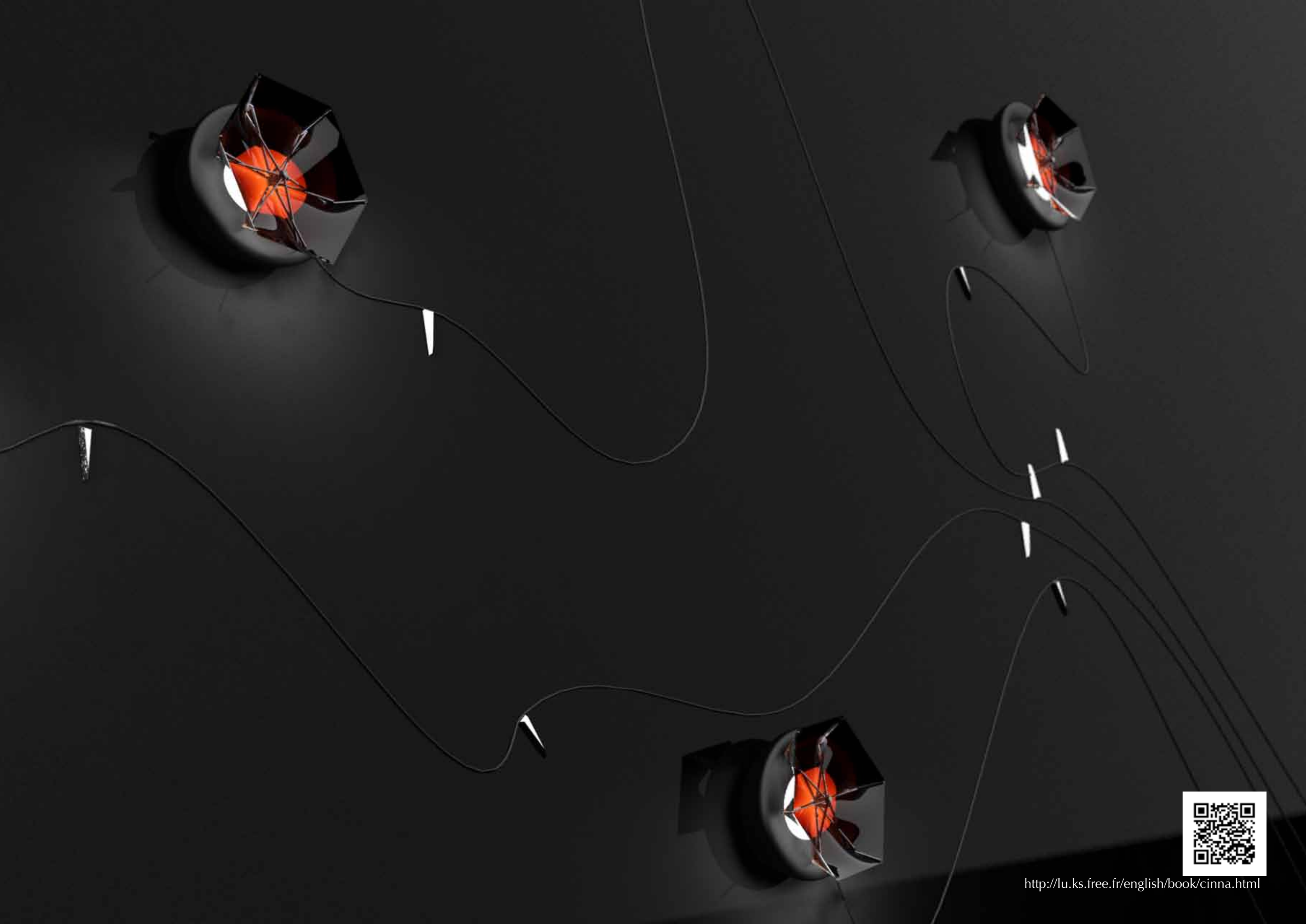


Medicago marina : A. leaves during the day ; B, leaves asleep at night.

A BOOKWORM-LIKE
CUSTOMISATION

Why should we hide the wires
while they could be ornamental?
Copper-made, you just have to
arrange them on your wall, prior to
switch on the flow'rs, using small
triangular magnets.
This way, you will build your own
composition, and there will never
be two identical ones.





THE INTERNET : BETWEEN REVOLUTION AND OPPRESSION

Following moves to democratic revolts occurred in recent months, we have observed how social networks like Facebook or Twitter could play a role in organizing actions against oppressive governments.

Governments were quick to react:

Tunisia has blocked all participatory networks like Twitter, Daily-Motion, Youtube and Flickr

Egypt has forced ISPs to stop all activity. The Internet has totally disappeared from the country

Libya has followed the lead of Egypt, the Internet has completely disappeared from the country

China, Iran and Yemen have a very strong censorship on the Internet.

WHY NEDA ?

Neda is the first name of a young woman murdered by a sniper in Iran.

Her case was practically first of all to fall into oblivion, for lack of mediatization, then Iranian Internet users began to lead the investigation on this affair, and found on Twitter a video, its first name, her family..

It became the symbol of the green revolts of Iran, and brought to light with the eyes of the resistant contemporaries the importance of internet.



THE NEDA PROJECT

ANONYMOUS AND AUTONOMOUS COMMUNICATION DEVICE: THE NEWSPAPER SOCK 2.0

Create an independent, anonymous and free information network, thanks to the long-range radio technology.

The radio systems aren't anonymous; when, during the second world war, the resistance used the radio to broadcast the information, they were quickly arrested, in view of the size of the device and when their voices were audible, which could constitute a proof against them.

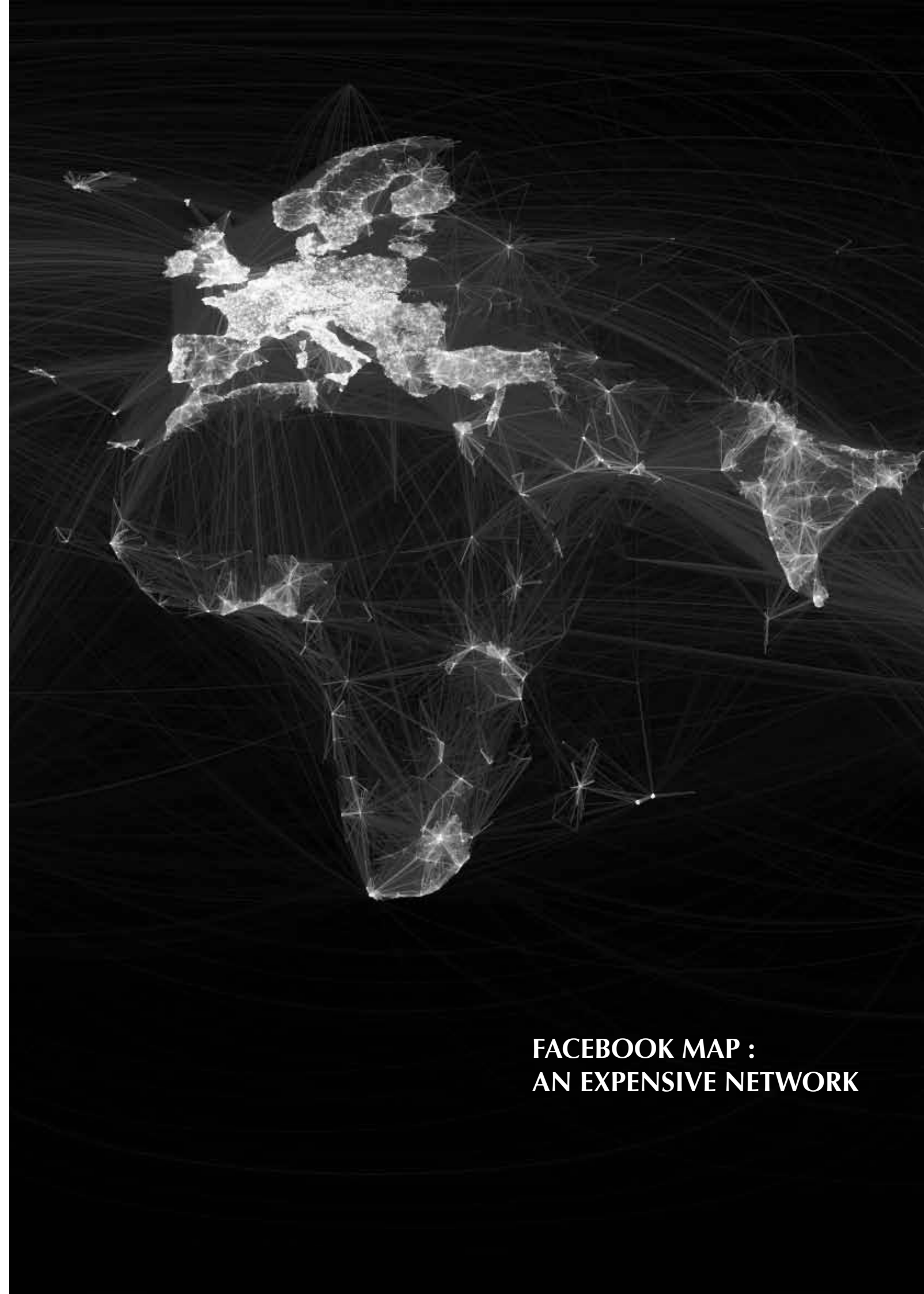
The radio technology can be totally anonymous: there is, contrary to the other technologies, no main transmitter and a multitude of potential auditors, but a multitude of broadcasting stations and a reduces number of reception devices: we can henceforth broadcast information of very varied sources.

French and Swedish have gave to whoever in the world an internet access being able to do without an Internet service provider.

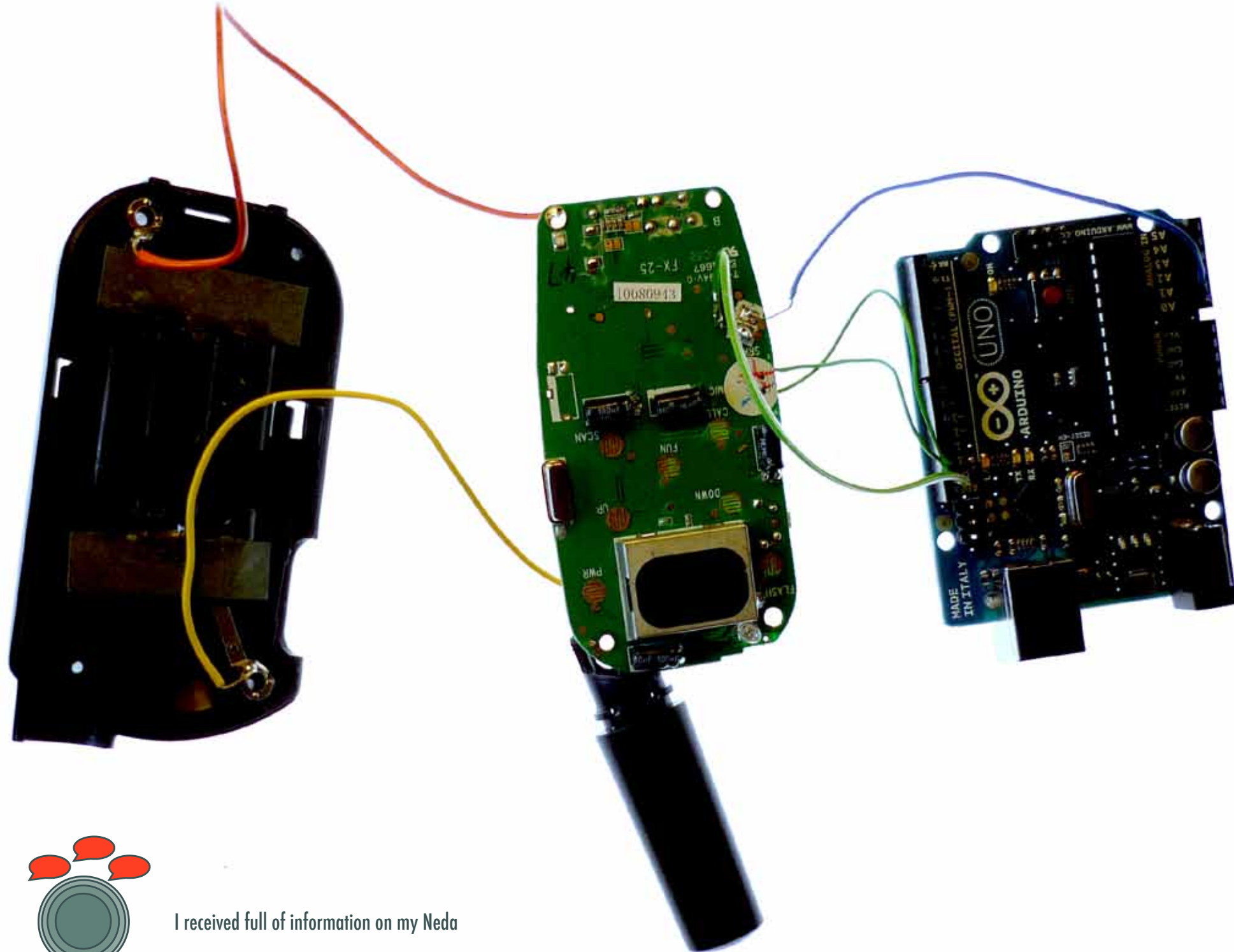
The problem it's because the connection time is very expensive, price of an international call and easily detectable due to the fact that the communication leaves interferences on the line..

The message thus has to be short and the automated sending. (Where from the device n°2 of Neda)

For the French server, it is about the number of access 33.1.72.89.01.50, login: toto, password: toto.



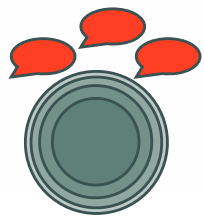
**FACEBOOK MAP :
AN EXPENSIVE NETWORK**



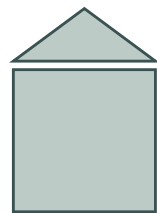
THE CHEAPEST COMMUNICATION SYSTEM

To make your own Neda, you just have to buy a second-hand portable VHF radio, and to connect Arduino instead of the microphone and the speaker. It programmed to decode messages or received files and send them to the computer to which it's connected.

Neda can be connected to a small modem instead of a PC to send messages on a dedicated account Twitter, via a phone plug.



I received full of information on my Neda



I go to a public place provided with a phone plug



Messages are transformed into Tweets and sent automatically on an anonymous account with the integrated modem and to the servers already implanted in France and Sweden allowing the resisting worldwide to have internet.

YOU COULD GET ONE FOR ABOUT 10 OR 15 \$,

YOU COULD COMMUNICATE WITH ALL OTHERS NEDAS,

YOU COULD SEND A MESSAGE AT 150 KM,

ALL CONNECTIONS ARE FREE, ANONYMOUS AND ILLIMITED

WHEN YOUR HAND BECOME YOUR EARS

Some deaf uses their hands to feel
the rythm in a nightclub.

The hands are one of the organ
with the most nervous terminals,
sensitive to the sames frequency
than our ears.

So why could we not use our
hands like our ears, to «feel» the
sound of a car, our cat who wants
to eat

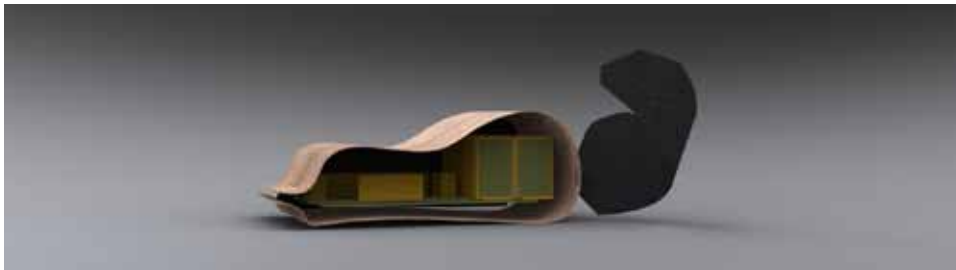


**A LISTENING
HAND**

SEE WITH YOUR TOUCH

During the workshop «communicating objects» we thought of a way to help deaf and hearing-impaired people retrieving hearing; sounds are captured by a microphone and amplified and translated in vibrations by a loudspeaker sealed in silicone. One may then distinguish several voices stamps, the sound of a car, a phone ring, what-so-ever.. Binomial work with Sébastien Tardif.

Prototype avalaible.



GALALITHE

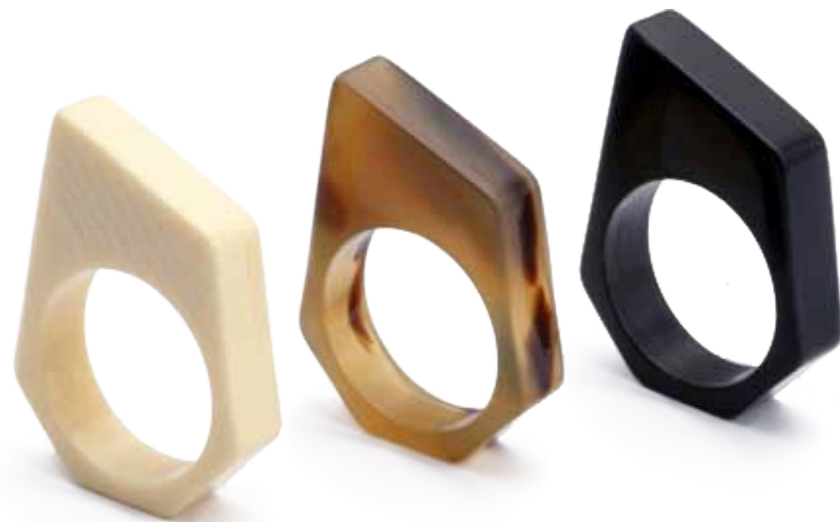
REBEARTH

Galalithe has been discovered in 1889. Alos called Ivoirine by Parker it was used to do toothbrushes, combs, butons and pens. this biologic material is only made of a milk protein, the casein. Galalithe looks like horn, ivory, or a nice resin.

Since the 70's and the peak of plastics, all galalithe manufacturers go bankrupt.

After a long research in the archives of Forney library, I found the recipe of the most famous Oyonax manufacturers.

I retrieve this forgotten knowledge, and to find new outlets such as HR concrete for instance.



F.O.G. FOREST ON THE GROUND



MATERIALS

We have chooses to use materials having a very low impact on the environment:

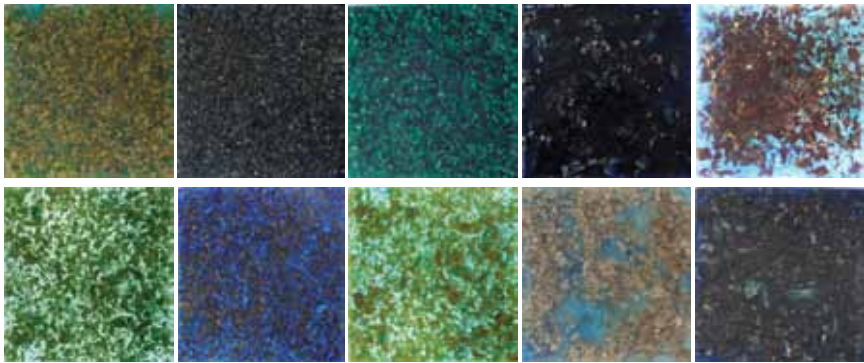
The galalithe, a plastic created from casein, the protein contents in the milk, presents better aesthetics characteristics than any resin with solidity more than reasonable for a floor covering. We take the wooden shavings, got back in waste of sawmill, which we incorporate into the galalithe. They are so visible in transparency and damage on no account the solidity of the set.



COLORS

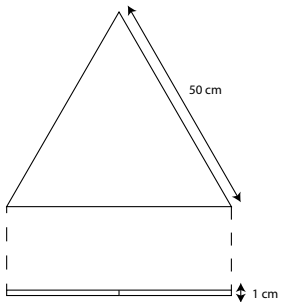


MATERIALS AND TEXTURE



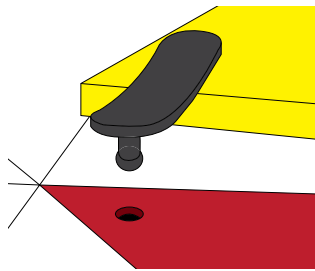
SIZE OF THE PAVING STONE

The work of Buckminster Fuller made for us thought of a simple and very flexible shape, which allows besides rising in volume easily. The equilateral triangle allows, as showed it the geodesic dome, to create forms in volume from flat faces, and it rather simply. The size of 50 cms corresponds to the adequate scale, so that the volumes adapt themselves to the man.

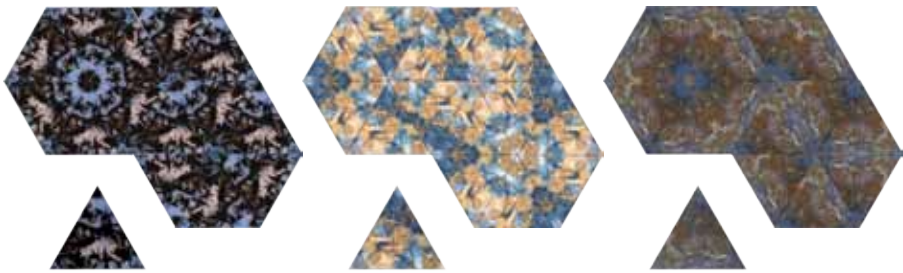


FURNITURE

The elements of furniture are foldaway. They comply and line up with the other paving stones of the ground, or can be deployed to become assizes, banquettes... They would be sold in the form of pack, consisted of paving stones, bisoted and joined between them by one fabrics to allow the folding, that it would not more remain than to transplant besides paving stones organized on the ground.

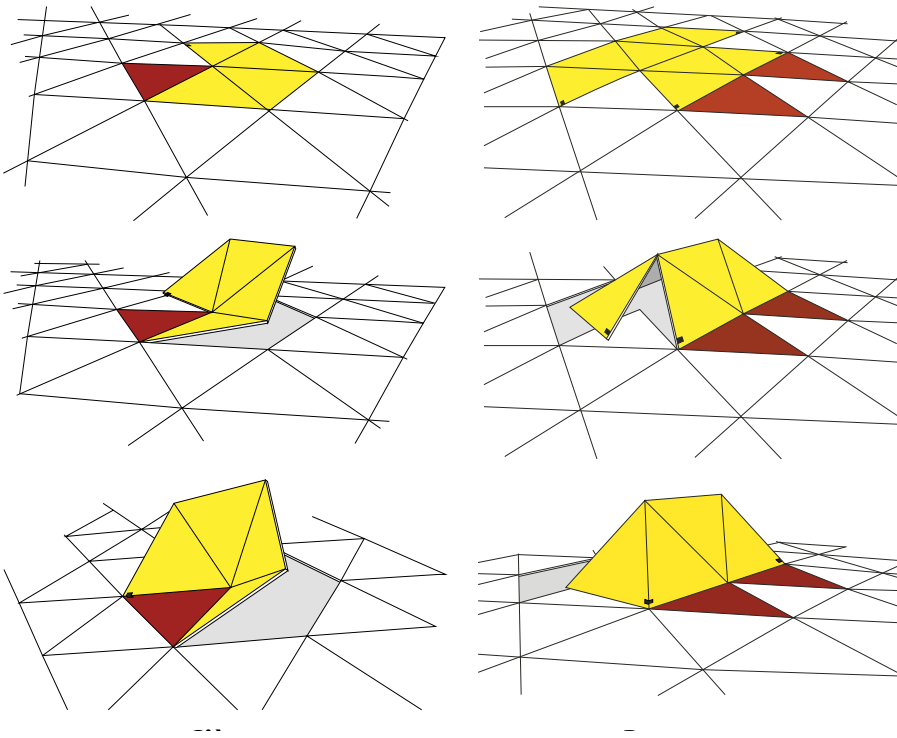


CALEPINAGE



FLEXIBLE PARTITION

It's also possible, with the same system of fixation as for the furniture, but in the installing for every summit and in the middle of every quoted of triangles. We can, with simple principles of construction, create volutes, forms which come to structure the wall and the space which it bounds.



KRAM

LIGHTS ON THE LIGHTERS

The purpose is to entirely reconsider the lighter's concept. From now on, let's press it in our palms to get the light.

Its male rectangular shape is powerful, reminding of a firearm, a gun. It is not bigger than two cigarettes, in order to be quickly put away in the package.

SEMIOLOGY TO MEET

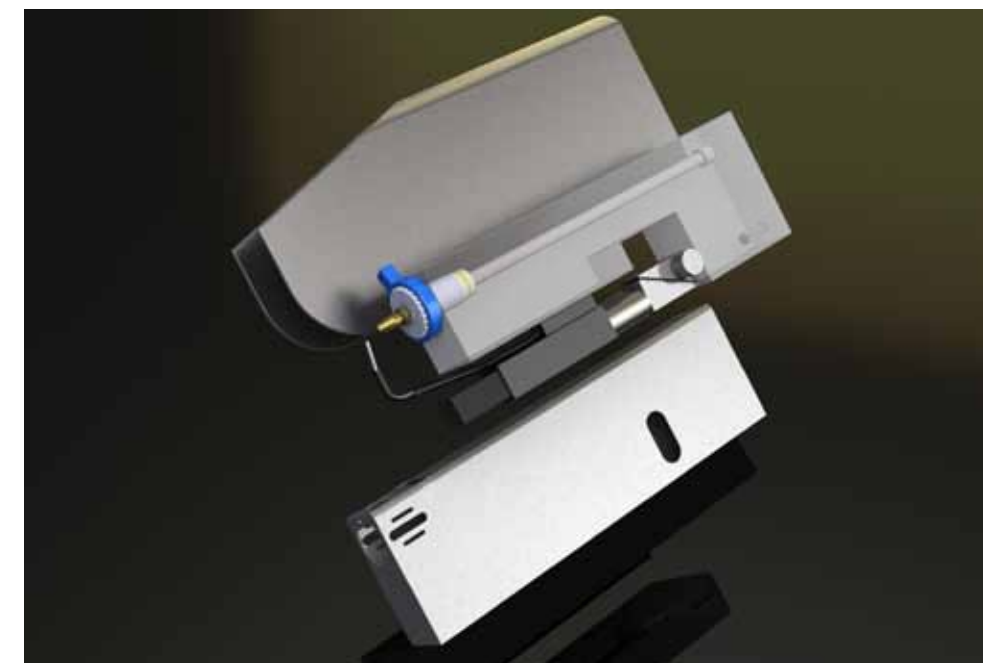
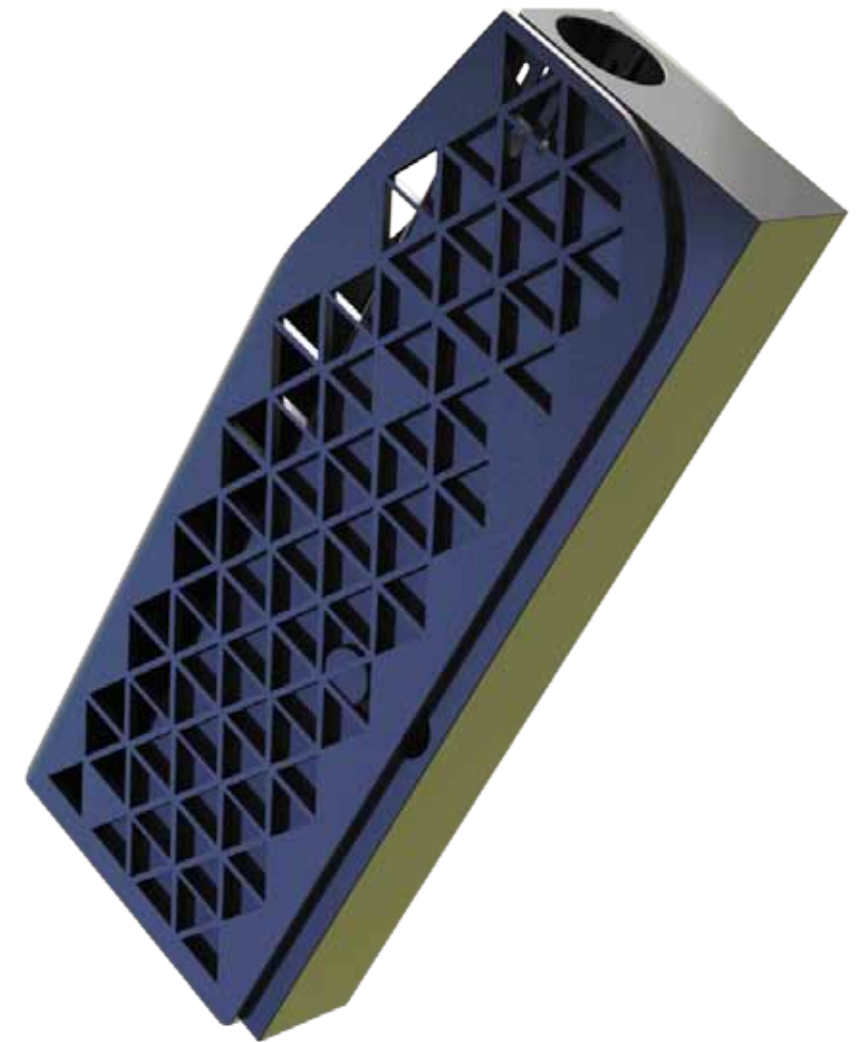
Metallic appearance gives the lighter a luxurious look. Talking about a Dupont, or a Zippo, besides trademark the object gets a new meaning, even so it may cost from one to several hundred euros.

The weight has to be kept in mind; if the lighter is too light, it will be easily lost.

Weight, as materials chosen, can achieve luxury.



<http://lu.ks.free.fr/english/ensad/a2/kram/kram.html>

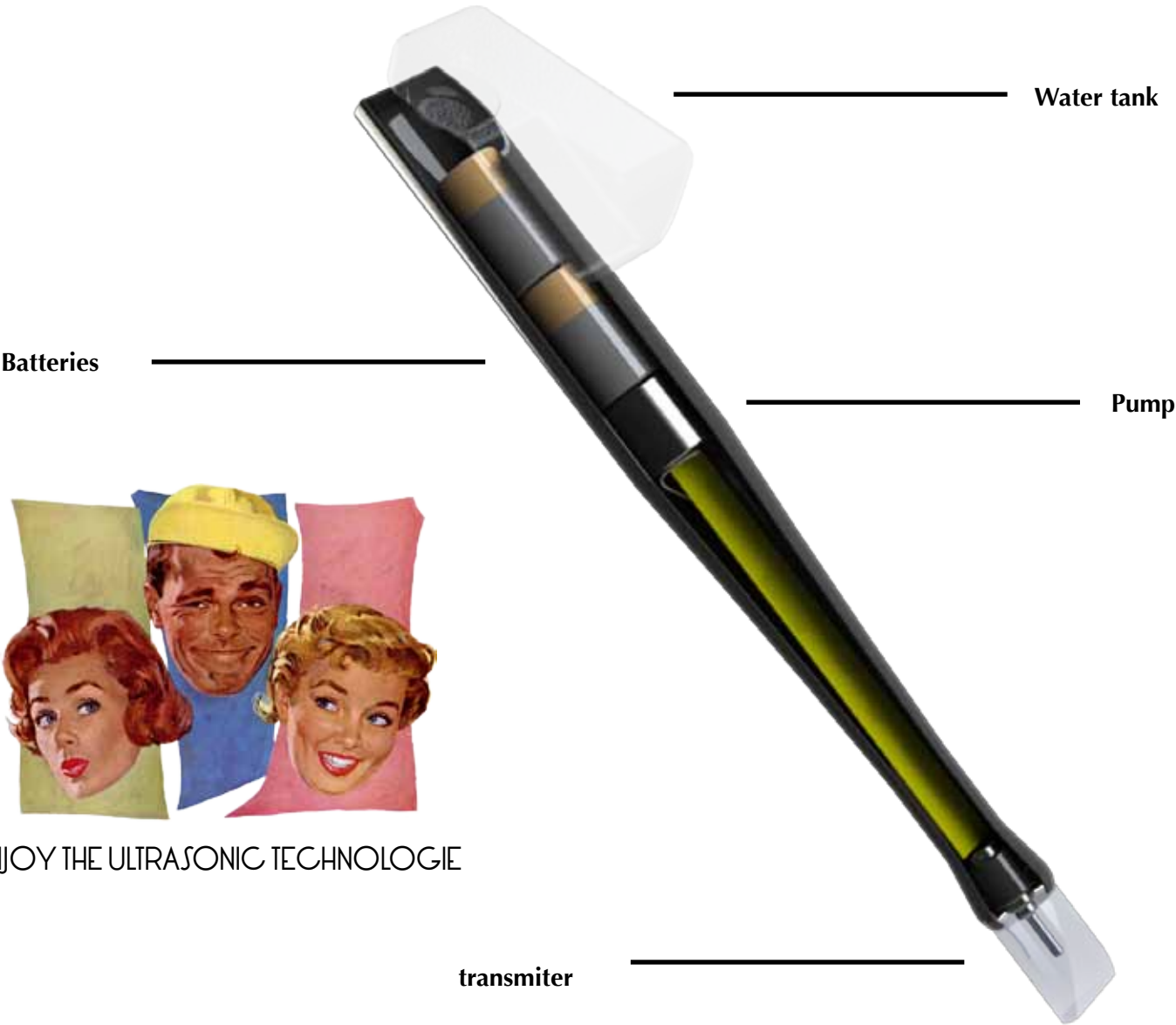


ELECTRICS
DEVICES
DOESN'T
MEENS
NECESSARILY
POLLUTANTS
DEVICES

We are using 3 liters water
cleaning soap a year, which is
750 CO2 grammes.
With a ultrasonic sound
device, we use only 36 g. of
CO2....



You'll never be
afraid about
dirty toilets



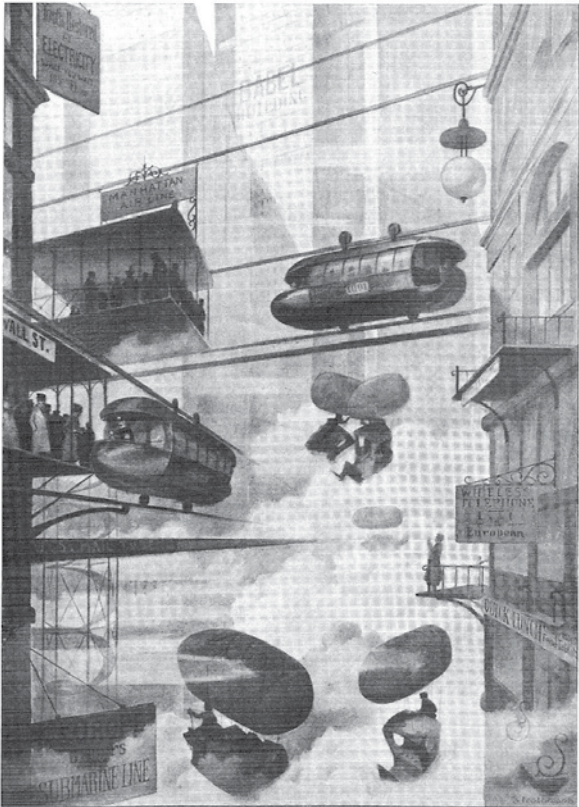
ENJOY THE ULTRASONIC TECHNOLOGIE

DIRTY
TOILETS



THE WORLD IN 2025

Think 2025, think it's our daily lives in the future. What new technology affordable by the majority of us? How will the landscape, whether natural or urban? What new attitudes that will arise from these changes? In short, what is almost possible today, and may change tomorrow?



Collier's Weekly, January 12, 1901.

THE URBAN LANDSCAPE

To think the urban landscape in 15 years is not in utopia. Both distant and near, the 15 years that separate us can not be seen simply from current technologies. We must therefore consider the problem by only taking into account the latest technologies emerging that are still in their infancy. We must not repeat the mistakes of the eccentric visionary illustrators from 1900 imagining the year 2000.

2025

APPLICATION OF AUGMENTED REALITY IN 2005 :

what is gonna be the visual
impact of migration of reality to
virtual?

AN IMPACT ON THE TOWNSCAPE

Visually de-polluate a city is gi-
ving it a new face, but also new
instructions of use.

The aim is to retrieve its original
aesthetics, its typical aspect.
Augmented reality is a new ur-
ban landscaping.

**«It is not a question
of disinfecting a
landscape, but
indeed to returning
to its most original
aesthetics »**

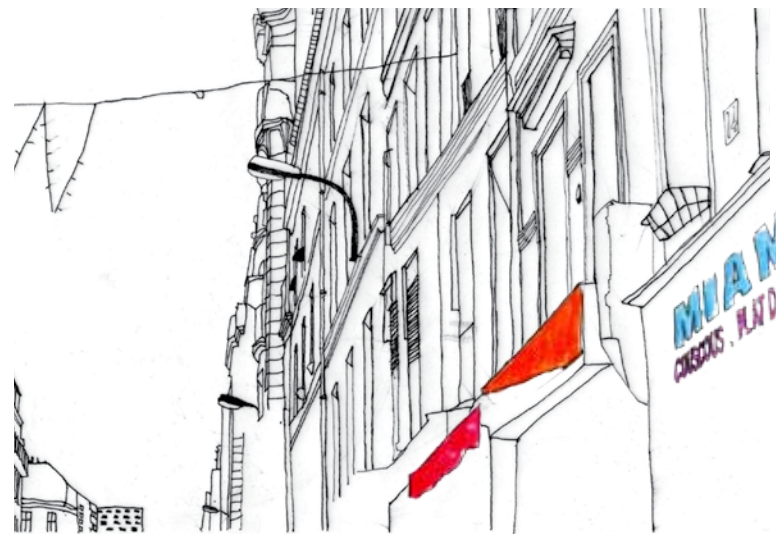
ARCHITECTURALLY

Cleaning up city walls from ad-
vertising, signs, is allowing us
to see walls, bricks, houses.
Heritage, monumental or histo-
rical, is at the center of urban
attractivity again.

above pictures of several shop
windows

Once the signs off, visual space
appears more wild.

Shop windows are still recogni-
sable. Eyes are virtually called.



*Here, you could see the difference between now and a
street in 2025 with the augmented reality*

HUMANELY AND SOCIALLY
Clean up visually a city, it's of-
fer a new shape, but also a new
way to evolve in your town. It is
not a question of disinfecting a
landscape, but indeed returning
to the most original aesthetics,
to revaluing its atypical aspect.
We clean the view to show to
the dweller how to rediscover
his daily urban environment.
The augmented reality offers
an alternative to the casual
townscape.

A NEW ALTERNATIVE FOR THE TOWNSCAPE

It's a wish of purification who
marks mainly the insertion's
project of the augmented reali-
ty.

Clean up to clean, but also clean
up to calm, to relax. Because
the impact of a cleaned up city
is enormous on the atmosphere
and the environment. It is a part
of aggression, of pressure which
is removed from the landscape.
We find the simplicity of a com-
mon place of life, and it, in the
landscape, as in the human
relationships which build up
themselves there and growned
there: « the district is the fun-
damental link of spontaneity in
the social connections, the pri-
vileged place of the meeting. It
is the charismatic place par ex-
cellence, heir of the village in
the urban space. So, we return
to safe values, participating in
the creation of a real commu-
nity: convenience stores, direct
connections between storekee-
pers and customers, simple
things which make the social
interactions of the city.

**«The district is the charismatic
place par excellence, heir of the
village in the urban space. »**



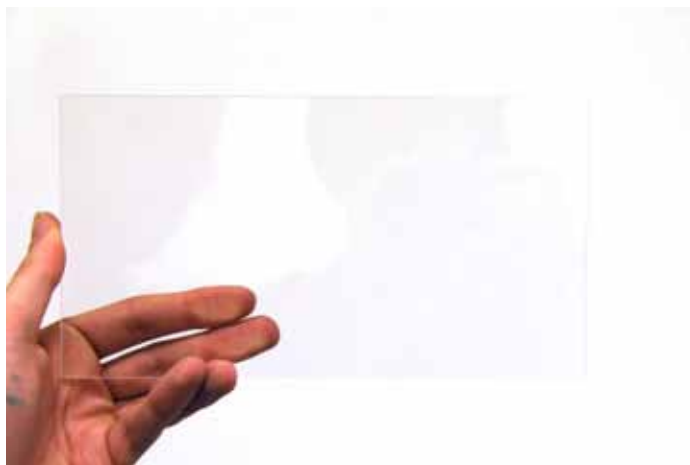
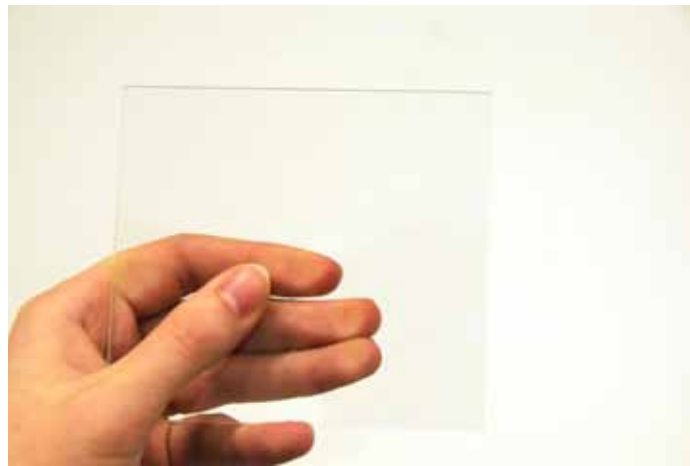
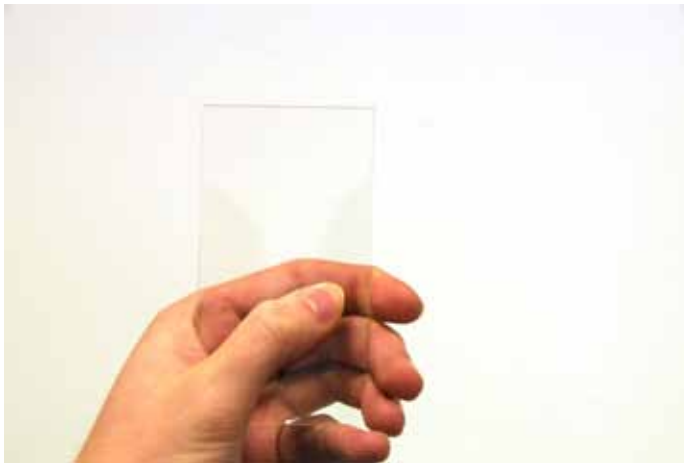
*Stores can also simplify their shop window and make it
less aggressive, more readable. The additional information
can be consulted at the demand virtually.*

**AN OBJECT WHICH
CAN ADAPT ITSELF TO VARIOUS
APPLICATIONS / USES / SITUATIONS**

DESIGN THIS OBJECT IS NOT SIMPLY STYLISING A SHAPE, BUT INVENT THE WAY WE SHALL TO USE IT, INTERACT WITH IT, AND HOW IT WILL WORK.

The first thing to think of an object allowing you to watch the augmented reality in everyday life, it's evidently appears a window. The object is thus transparent. This window has to hold in the hand and smaller as to be tidied up in a pocket, but bigger as to could view the world comfortably. The object is made by three sizes. This sizes are obtained by folding from a small size of 11x6 cm. So, we had the freedom to offer an evolutionary interface, which could satisfy better the needs of his user. More flexible for more freedom, both for us in the creation of this object and for his user who can adapt the object to the use which he makes.

First tries of handling with plexiglass cut patches.



In the idea of a more intelligent material based on a technology already known, applied only in the architecture top of the range, the switchable glasses, which we can translate literally by « flexible windows ».

This technology allows to make opaque, reflechissant, or transparent the material, who react in different ways when it's crossed by an electric current.

Applied to our object, this technology will allow to the object, to be transparent when we use it, opaque or reflechissant when it's in sleep mode or switched off.

It avoids losing the object because it's transparent. The screen can also darken for, for example, better appreciate the viewing of a photography or a video movie.



Here, the model of the faded object or in sleep mode under its three positions. The screen is made opaque to make it more visible



Here is the picture of three positions that the object can adopt. They are at scale and it is so easy to see and to imagine how every position allows to adapt itself to one or several situations.

Jewel of future's technology, the material which composes it can become supple in the points of foldings and harden unfolded time but that no track of folding is visible.

