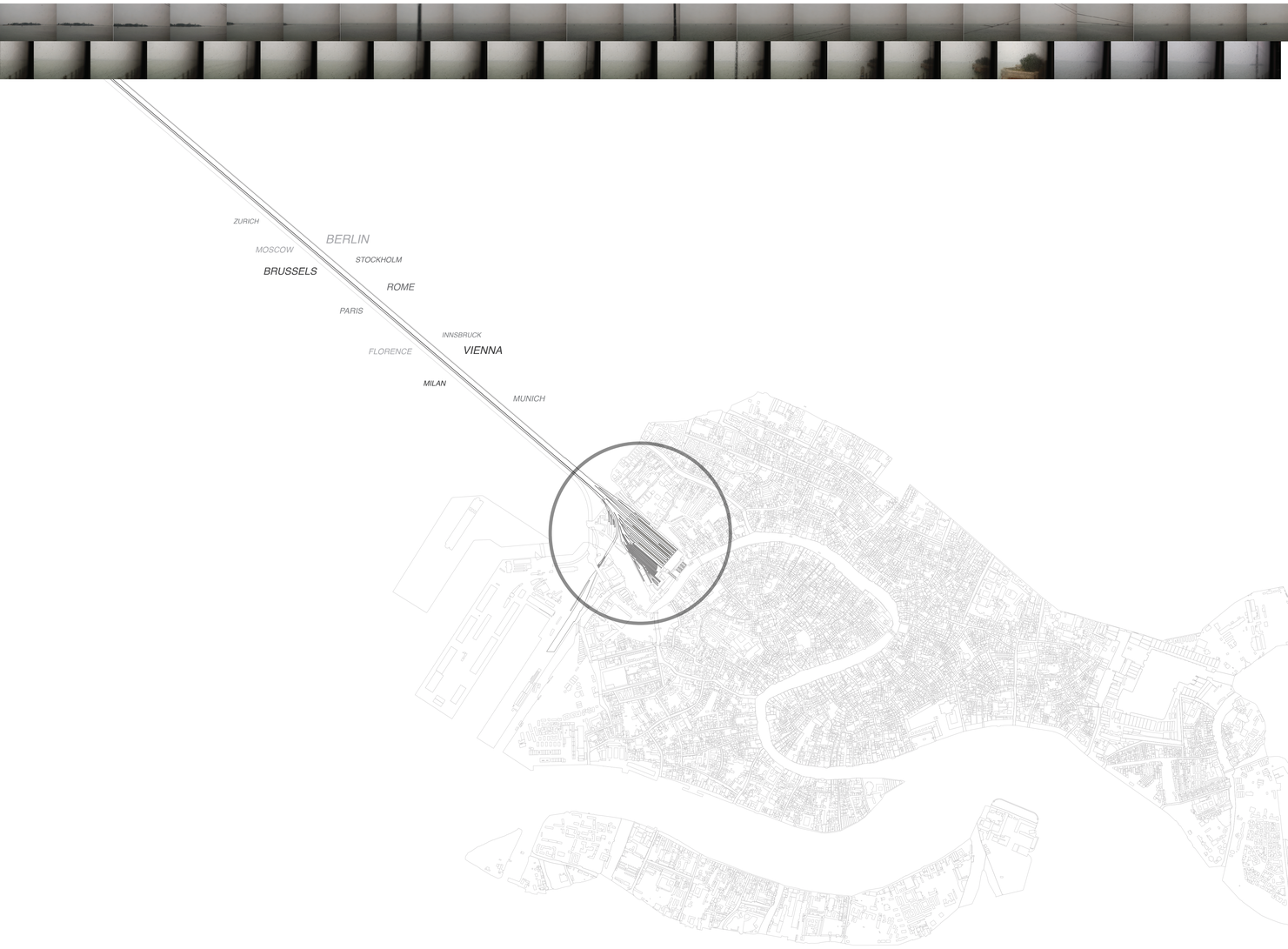


City of Venice - Siteplan 1:10.000

REFLECTING TIZIO

A Scenography of the Ephemeral

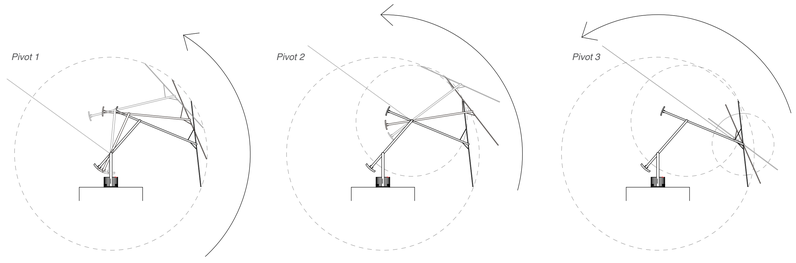
Someone_ContextConcept_01.pdf

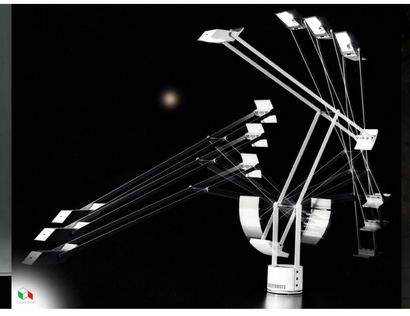
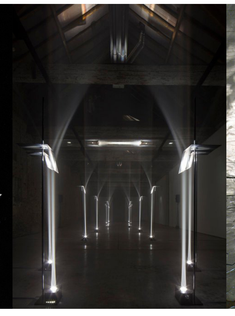
Our intervention focuses on the forecourt of Santa Lucia station, which marks the entrance gate to the city of Venice. A place where all train services end, the station connects the floating city with the main land, marking the transition from the terrestrial system to the maritime system.
Venice, a city engulfed in water, is characterized by its reflections. Be it a gondola mirrored in the channel, the buildings' facades reflecting in the flooded streets, or a person's upside down image, when passing by a puddle on a rainy day.

Intrigued by this evocative imagery, we decided to introduce **the mirror as a scenographic element** for intervention on the plaza. The mirrors are attached to a **kinetic structure** inspired by Artemide's elegant lamp *Tizio*. Its counter weights in combination with photovoltaic-powered motors, are programmed by Arduino to rotate the mirrors, according to the flow of trains arriving and leaving Venice - on average 450 trains per day.
This movement creates a visual communication between the train activity and the city. The kinetic sculpture can rotate at three different pivots, performing a dance, welcoming the arrivals.

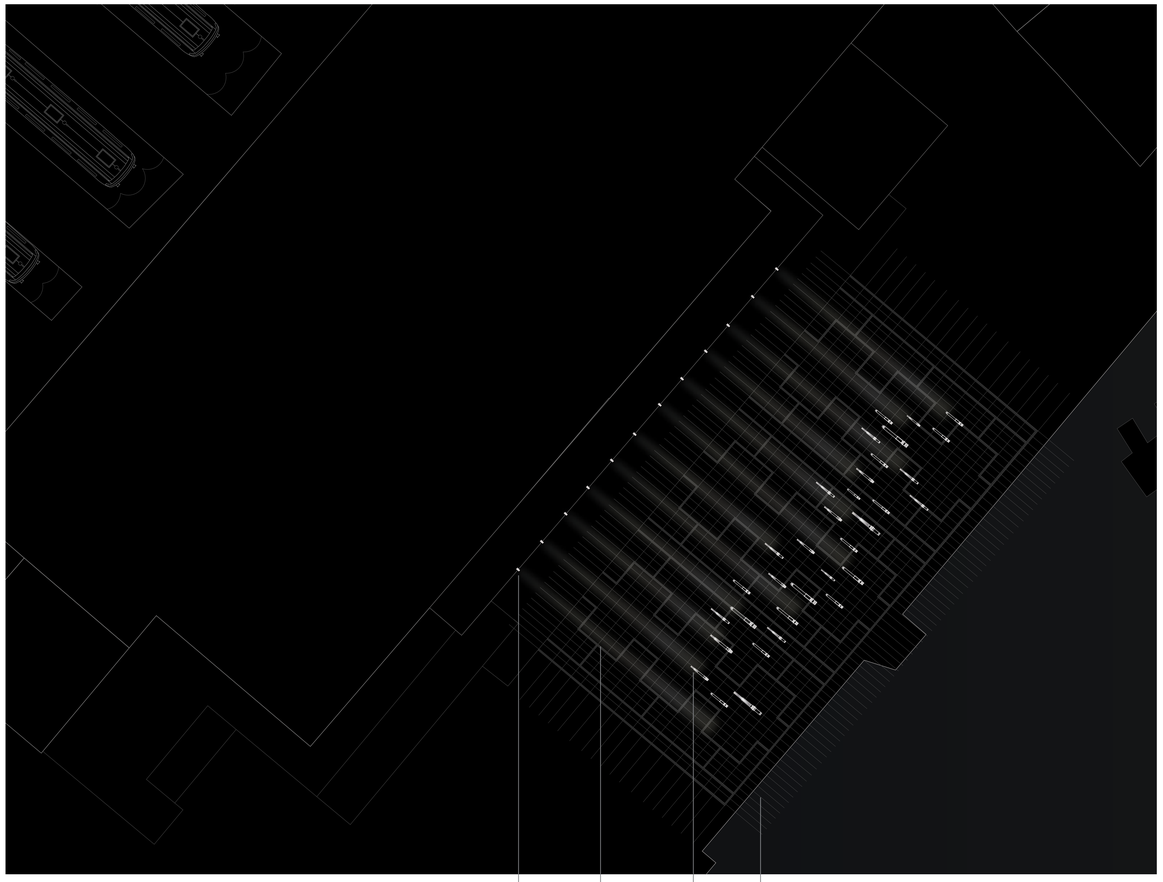
just as the natural light constantly changes, the installation gradually transforms from day to night.
During the day – when artificial light is invisible – the mirrors, facing the stations main entrance, rotate within a certain vertical angle, in order to always be able to reflect the people entering the plaza, blurring their first impression of Venice. This way, the people have the opportunity to observe themselves within their first glimpse of the cityscape, as well as, the movement of other travelers next and behind them, calling attention to the **act of entering the city**.
During the night – when everything turnes dark – spotlights (*Ego Spots* by Artemide) installed on the facade above the entrance doors shoot light onto the mirrors, **to imply an extension of the train tracks** inthe city. The mirrors flip up, in order to redirect its light back above the roof of the train station, where a cloud of water mist serves as a projection surface.
The resulting 'aurora borealis' serves as a **signal for orientation and visibility** of the train station, hence, the city's entrance, guiding the people to plaza Santa Lucia within a certain parameter.

View onto Plaza Santa Lucia







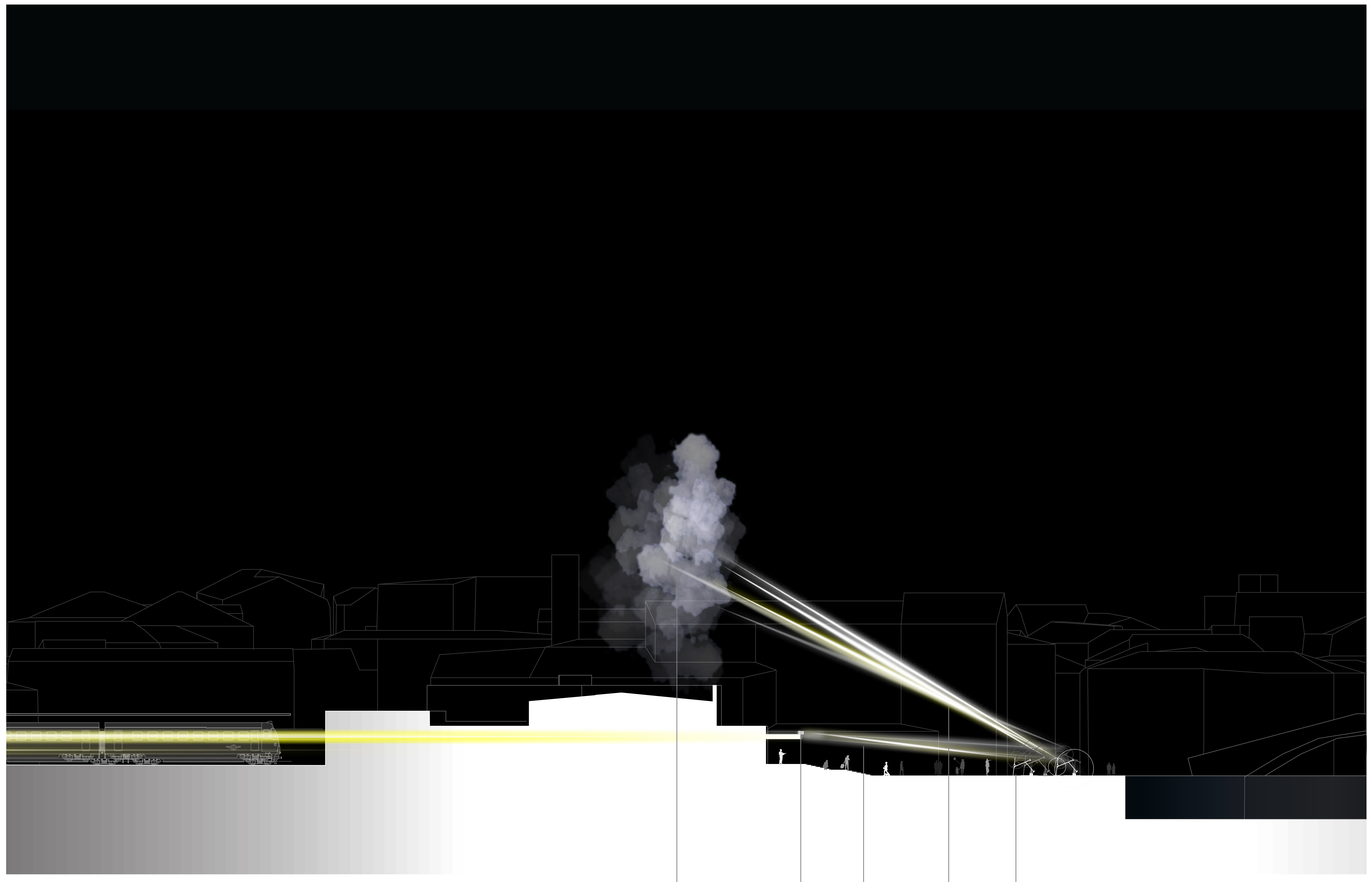
Santa Lucia - Plan of forecourt 1: 500

Ego Spot, installed on facade of Santa Lucia station

Light beam, directed onto the mirror sculputes

Kinetic mirror sculpture

Secondary grid, orchestrating mirror positioning



Santa Lucia - Section of forecourt 1: 500

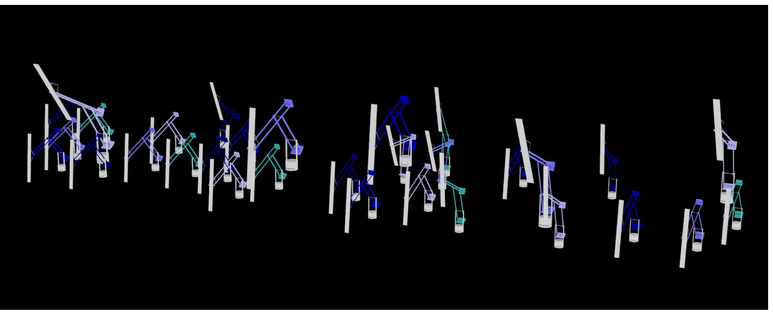
Water mist cloud, created through nozzles, providing a projection screen

Ego Spot, installed on facade of Santa Lucia station

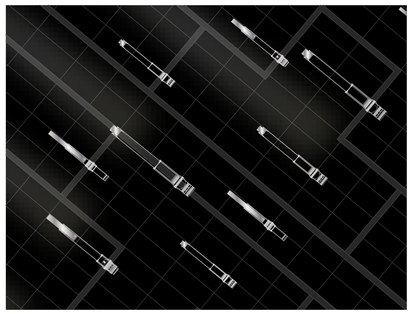
Light beam, directed onto the mirror sculputes

Light beam, redirected from the mirror onto the cloud screen

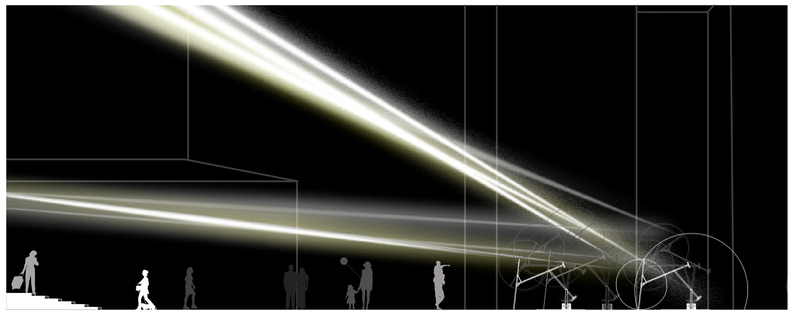
Kinetic mirror sculpture



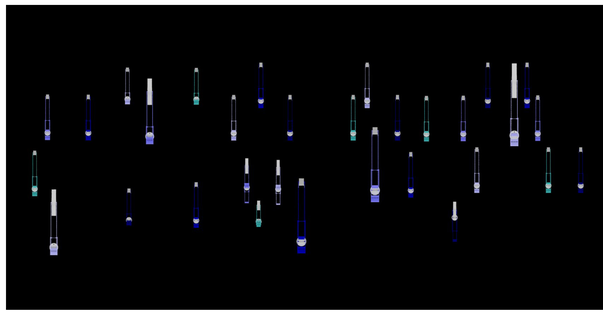
view in perspective - color proposition for mirror structure



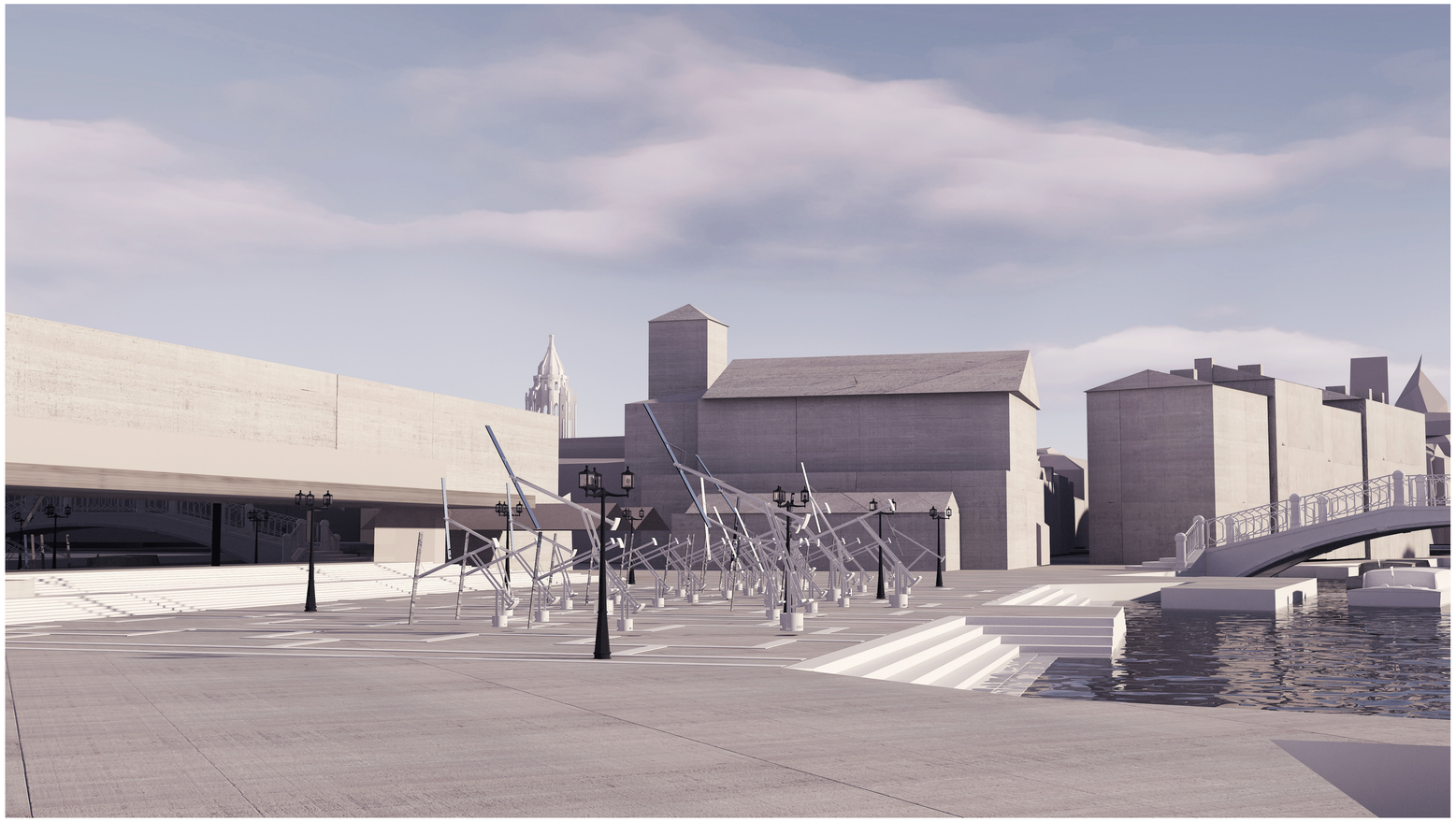
zoom of plan



zoom of section



view in plan - color proposition for mirror structure



DAY

TIZIO 35, white by Artemide

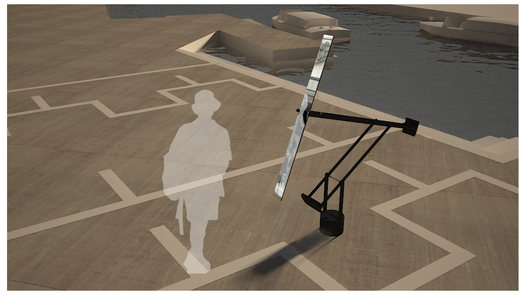
Design :
Richard Sapper 1990

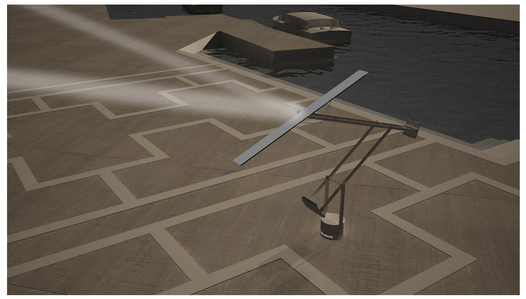
Material:
Aluminium

Describtion:
- table lamp, fitting to the floor lamp of the same family
- available in 3 different sizes
- adjustable arm and head by counter weights
- colors: white, black, aluminium-grey

Lichtverteilung:

direct, adjustable





day and night transformation

NIGHT

EGO SPOT by ARTEMIDE

Design :
Artemide 2000

Material:
Aluminium, glass

Describtion:
- stand alone with remote control - IP 65 - green, consisting of 3 beams
- 10 standard light moods
- 10 levels of intensity

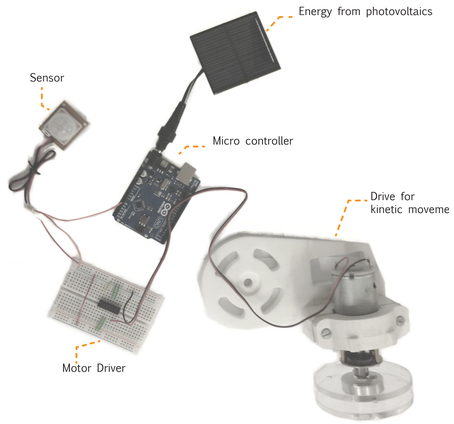
Lichtverteilung:

direct

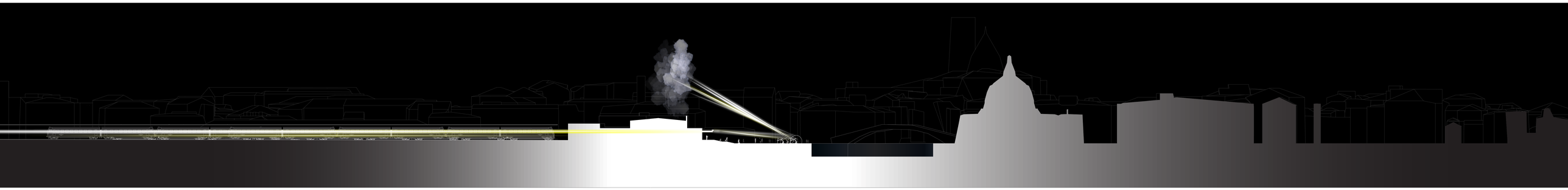
WATER MIST NOZZLES

Typical Features :
- Low refilling cost
- No greenhouse effect
- No decomposition product
- Electrically non-conductive
- Suitable for occupied areas
- Zero ozone depletion potential
- No residue to clean up after fire
- Natural gas present in atmosphere
- Design in compliance with ISO 14520 and NFPA 2001

MECHANISM
for kinetic pivot rotation



diagram



Section 1:1000