

Street Light and Cellular Tower concept design.

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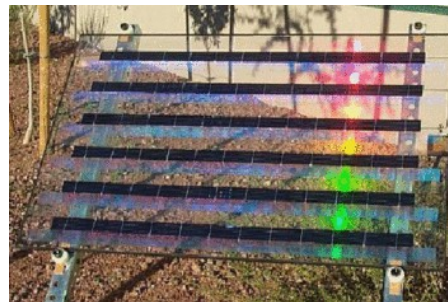
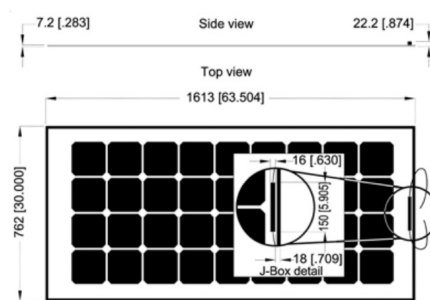
date: 27 jan 2014

1. The task

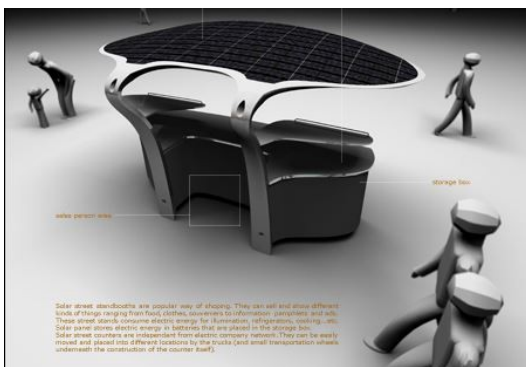
- Will need multiple conceptual illustrations of Street Light and Cell Tower Design in an environment.
- Must have realistic 3D look, with sleek modern styling and presentation quality.
- Shapes will be very organic and fluid (please see attached example of style we are looking for).
- End result must be high resolution images for printing plus 3dmodels.
- Both Concepts will need multiple designs to see what look is most desired. These concepts will have required components to be integrated such as solar panel, vertical axis wind turbines and equipment

Street light specific:

- Create an organic, modern and stylish street light.
- Street light will have an integrated solar panel as well as accent lighting (such as a strip or glowing ring).
- Will have a single lane version and a double lane version.
- Solar panel can be slightly bent or can come in a circle or oval shape as well.



2. Inspiration





3. Analysis

Let's make the Street Lamp and the Cell Tower in one style, sort of modular. Some modules will form a street lamp, other modules will form a cell tower, having the same base and the same pole. So we apparently will have the following parts: the base, the pole, the modules, mounted on the pole, decoration modules.

Modules:

- base
- pole
- street lamp
- solar panel
- wind turbines
- cell equipment
- other equipment
- decorative modules (avoid them is possible)

I think it must be a pole = material and cost effective. Though, there are some possibilities if using different approaches (net structures, transparent materials, other fantastic things)

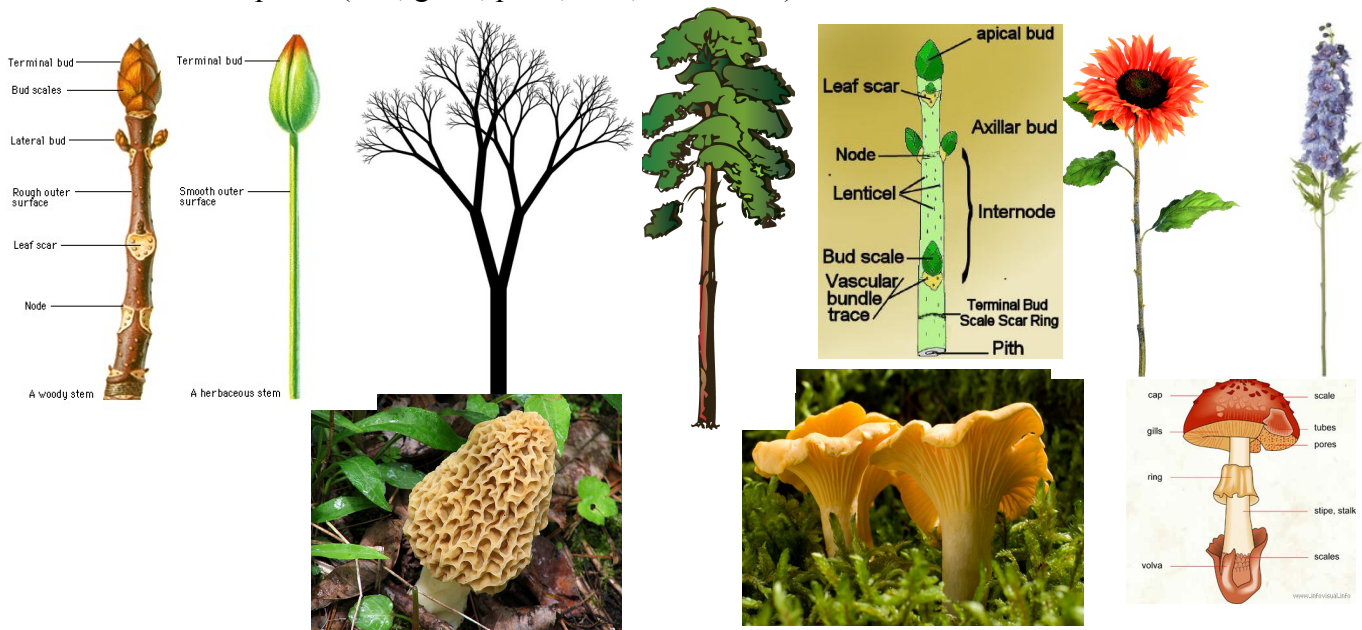
The task description lacks a bit of background, I mean it would be great to know in which environment the concept is supposed to be used, currently only “organic and fluid” style is defined.

It must be windproof (no large surfaces).

It must be functional with modern technologies (light with reflector or lens, a bulb or LEDs)

4. Ideas

- mimic some plants (tree, grass, palm, fruit, mushroom)



- use geometric design (perfect forms – perfect spheres, rings, geometric pattern, etc.)
- use futuristic automotive design



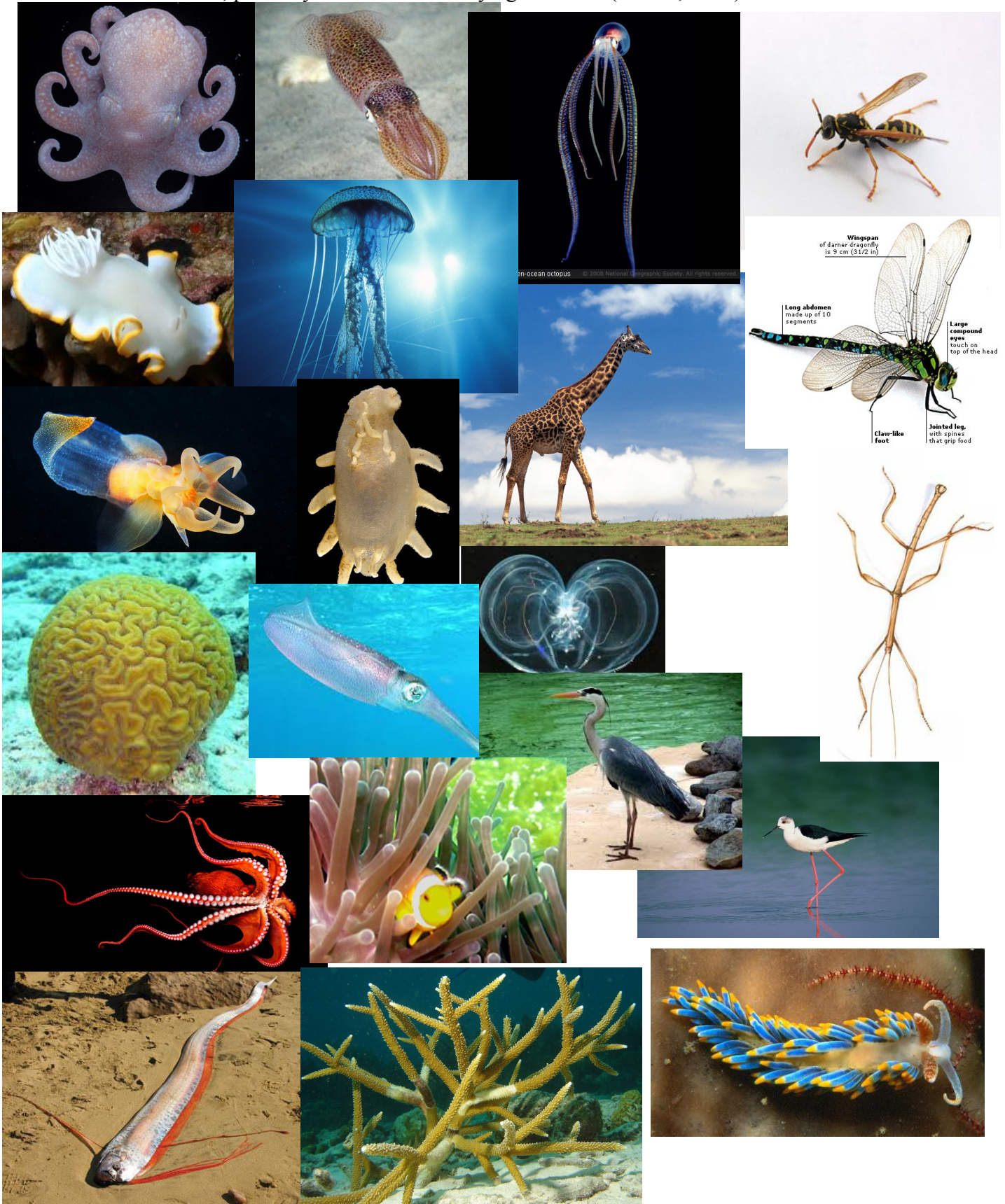
- “apple” style



- large wind electric mill style



- mimic some animals, probably sea creatures or flying creatures (insects, birds).



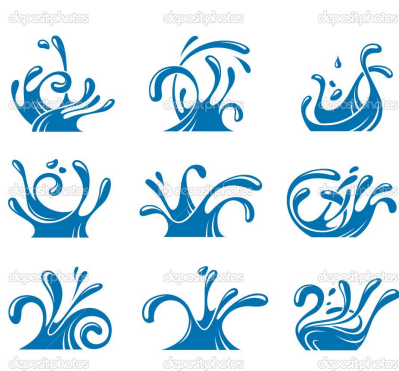
- use airplanes design



- use marine vessels design (yacht mast, hull lines).



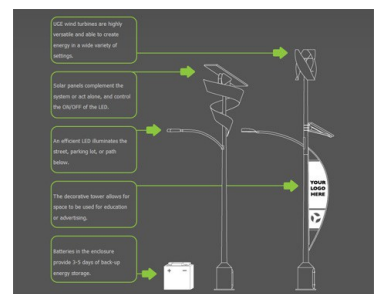
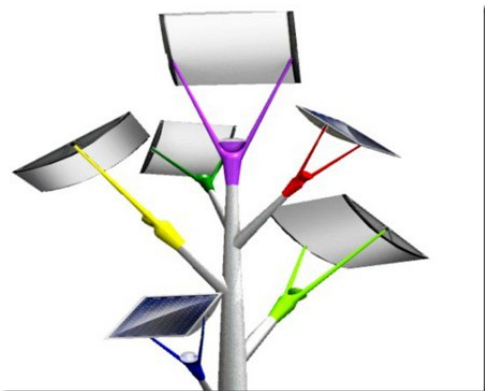
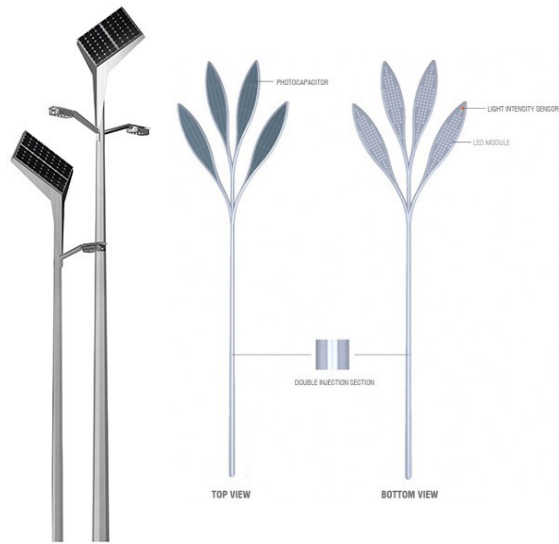
- water splashes



- ultra modern architectural style



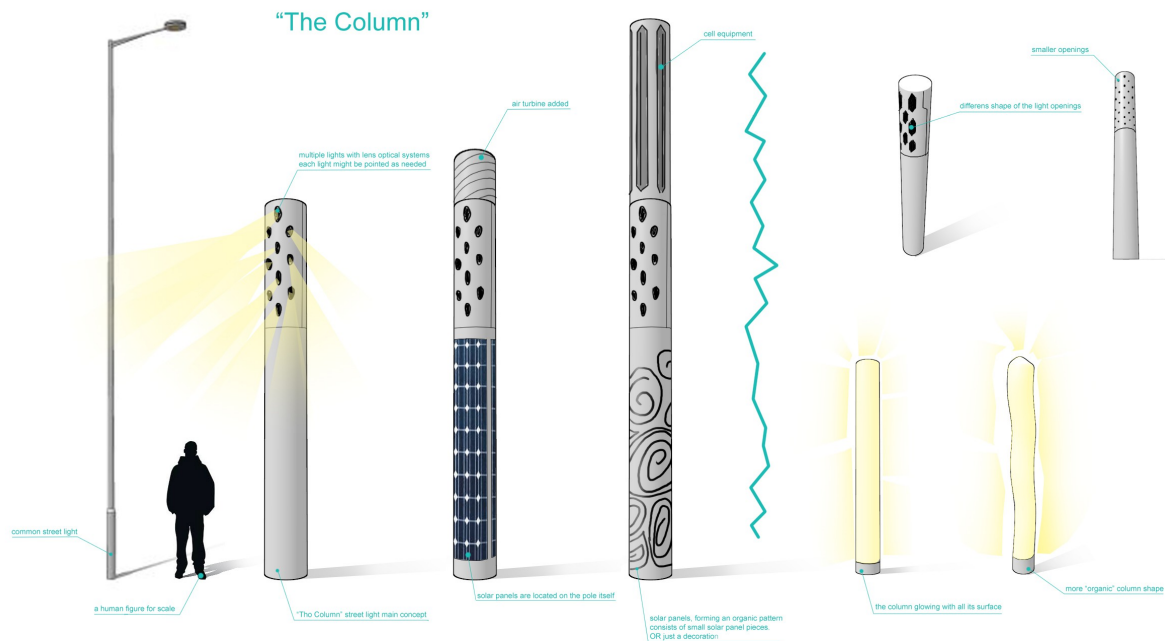
5. Internet search



6. Concepts

6.1 “The Column”

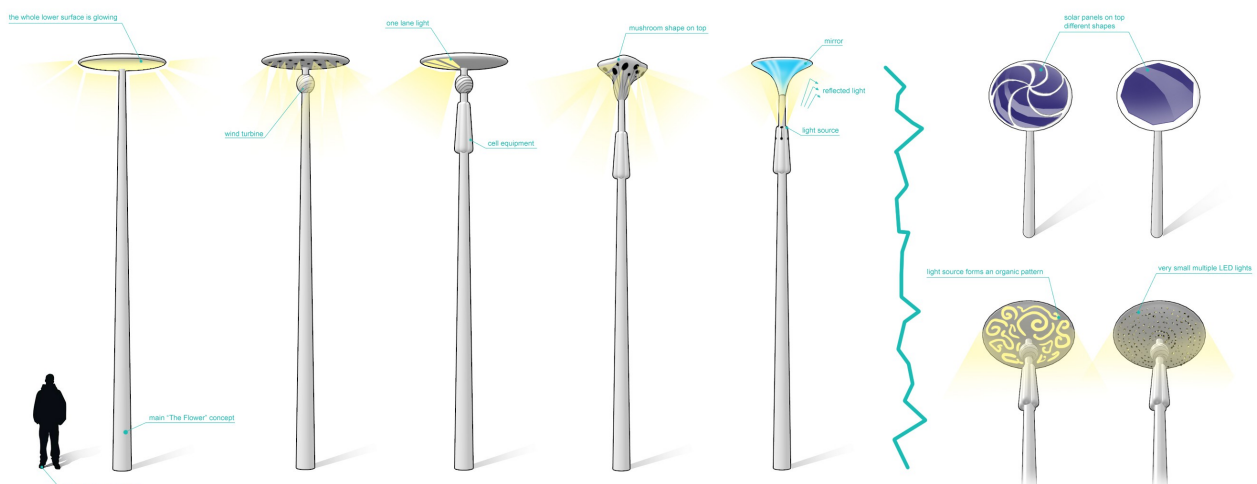
- a much thicker than usual light pole, namely the column
 - no extruding parts, perfect cylinder
 - small lights are hidden inside
 - solar panels are located on the vertical side of the column
 - shorter than usual light poles
- = the column glows with all its surface (alternative solution, probably not usable)
- = the column might be of a not exact cylindrical shape, might be more “organic”



6.2 “The Flower”

- thin pole with light fixture (or/and other equipment) on top
- the upper part might have a shape of a mushroom
- solar panels are located at the very top
- wind turbine is located below the top part
- not a large “flower”, something compact
- the top part might be a mirror reflector with light source below, close to the pole

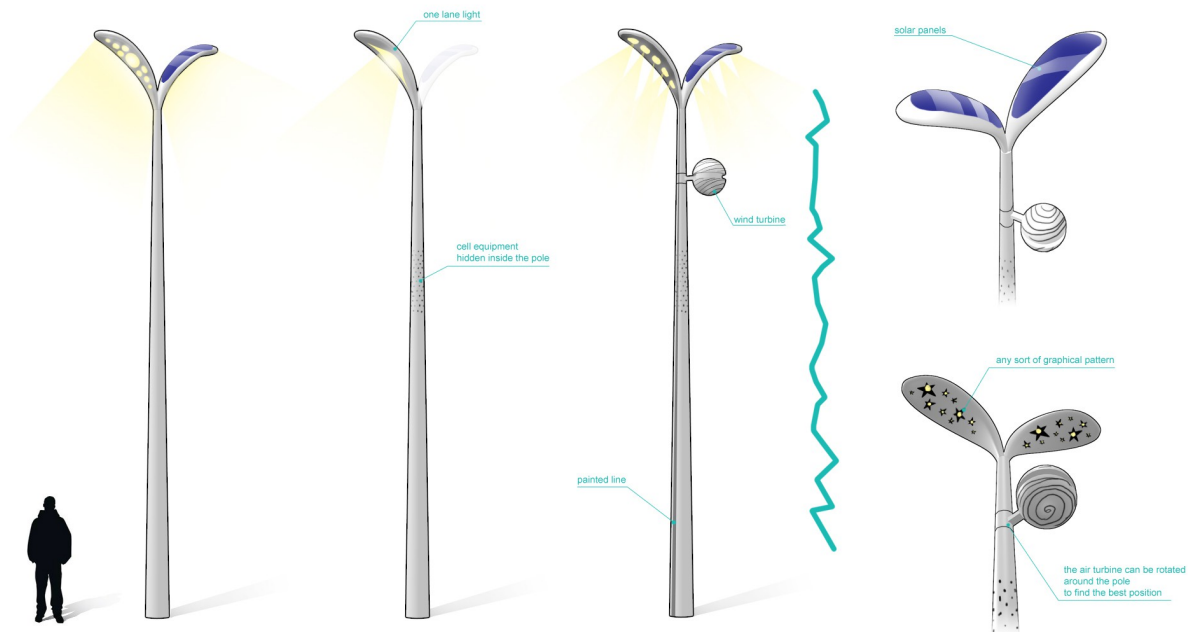
“The Flower”



6.3 “The Tentacle”

- similar concept to the previous, but something similar to a tentacle at the top.
- solar panels are located at the opposite side of the light holder
- it is hard to incorporate the wind turbine, probably like a protruding hump on the pole.

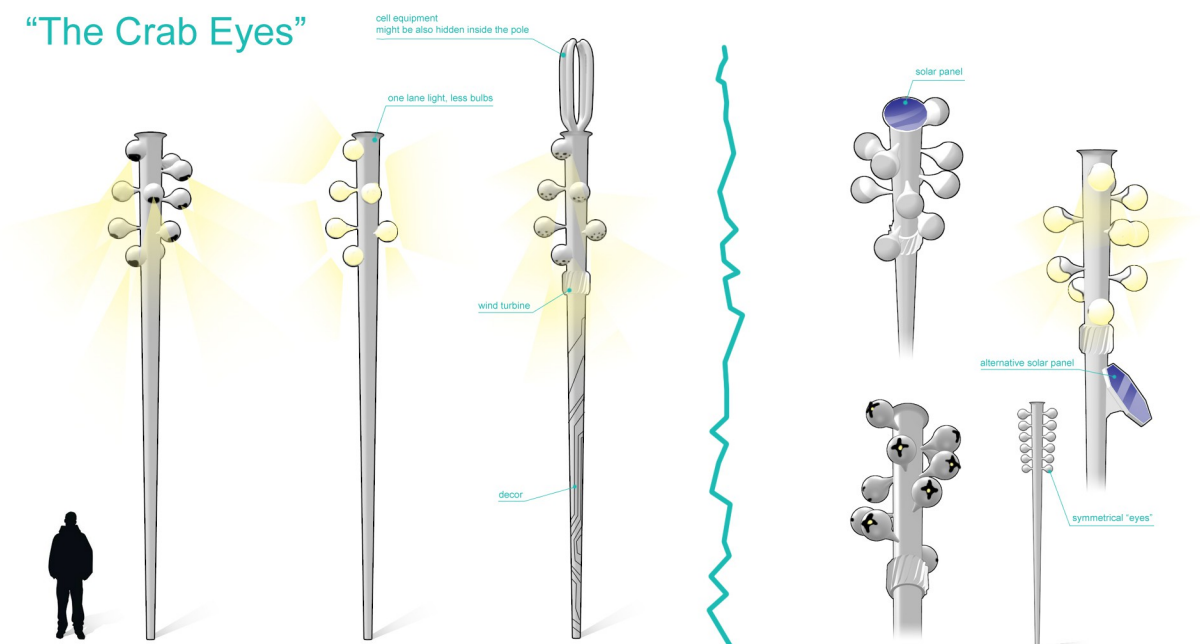
“The Tentacle”



6.4 “The Crab Eyes”

- lights are located on small legs, coming from the pole, like crab eyes, but a lot of those eyes, each focused as needed
- solar panels, wind turbine, other equipment have a spherical shape.

“The Crab Eyes”



6.5 “The Yacht Mast”

- pole with oval profile (or even more complicated)
- angled horizontal rods for equipment

“The Yacht Mast”

