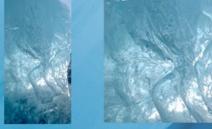
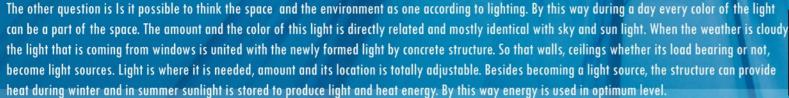


The main idea of this proposal is if it is possible to think concrete as an energy source. This source provides heat at light to the space witout any additional unit. Every unit is casted into concrete. The structure is insulated, heats the space and provides a special light that acts like daylight. This source uses energy with a optimum level. The Earth needs alternative energy sources. This concrete structure gains its energy mostly from sun, and others (geothermal, wind, etc.)





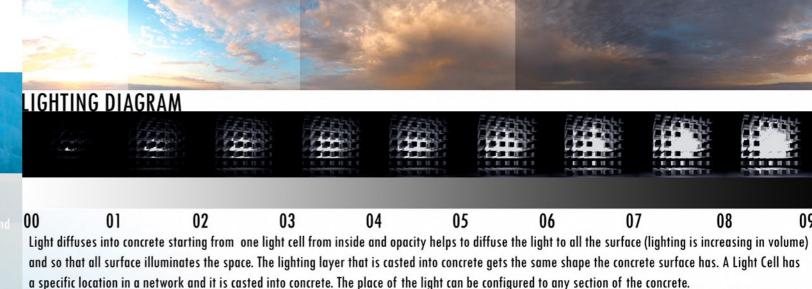
There are 2 inspirations for this design one of them is; of in there is only one element that can gradually define its opacity Layers and its the source of life 'water'. The first layers of the iceberg transmits the light not only light that is coming from sun, but also the skylight to inner layers as well. The first question is it possible to reverse this situation and so that this logic makes the concrete the light source of the space, by this way pure space is formed..



The other and the 2nd inspiration is the daylight itself. Every color of sunlight during any season, any day of the year can be an actor of the space. Time takes its place by the help of sun and skylight in the space. Actually there is another interesting feature of the iceberg first layers become load bearing and





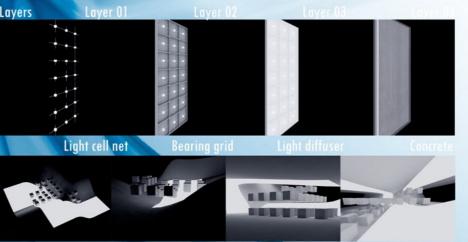


Light cells are like pixels in LCD monitors. Unlike pixels each cell is 3 dimensional.

They lighten the surface starting from inside. Each cell is a powerfull lighting unit.

Light color changes according to sky and sunlight. Besides these lights environment has its own light. The colors of seasons like white of the winter, also change the color of inside lighting.





The structure is consists of 4 layers. Lighting layer is casted into concrete. The first layer is the light cell net. The net links light cells and connects each one to the system. 2nd layer is the bearing grid, grid transfers the loads and reinforces the concrete structure. 3rd layer is light diffuser, this layer is for directing the light rays in the concrete. and the last layer is concrete which its opacity is defined and configured. The lighting and heat system is controlled according to weather conditions and the sun by computer and can easily be configured manually.



iceberg is formed layer by layer, such as the light is transmitted to inner layers starting from outer layers.