

The creation of imaginary reality (in contrast to, say, space research) seems to be the main direction of human activity in the near future. Modern techniques - especially in the field of creating volumetric visual objects - require significant innovations.

The following proposal aims to create a set of measures intended to intensify site environmental use without its loss by developing and implementing a fragment of virtual reality.

There are two interdependent objects: the first is an arch facing St. Clara Street, and the second is a pedestrian bridge connecting two design areas. Both in horizontal and vertical projections, these objects have the form of arc segments, graphically emphasizing their common center - the place of confluence. Physically, the masses of both structures balance each other, being connected by a group of cables.

The arch is a constructive basis for an engineering and technological platform aimed to create (as already existing technique) holographic images in a water vapor cloud. Bearing vapor generation equipment, laser emitters, drivers/controllers in its volume, the arch provides two operating modes: a single volumetric image generated in the gap between the arch branches, and a virtual screen formed along the entire length of the arch.

The footbridge consists of two deck levels: a walkable green roof, being able to serve as a spectator amphitheater for viewing holographic performances in the open air, and the lower deck housing pedestrian flows with a good view and sound of the river. These levels form a separate multifunctional room, which can serve as a place for catering, meetings, public or private events.

These elements can work together and separately both at the local level for the needs of the community, and host events at the citywide (and higher) level - for example, broadcasting SAP center concerts or sports competitions, forming a single audience complex with it. Development and application of 3-dimensional volumetric images in nature can attract the public from all over the world.

The impact on the natural environment is minimized by moving the image creation area closer to the street, being located above the tiled part of the confluence point; each of load-bearing structures with two points of support for each has minimum footprint areas which are within the design boundaries and do not affect any existing amenities. Electricity is generated by solar panels field and geothermal wells (eastern design area); energy storage systems are supposed.