

TECHNICAL SPECIFICATIONS

OVERALL LIST OF EQUIPMENT

Provided by Areaodeon:

- Laser transmitters set
- Laser receivers set
- Specifically developed software
- Self designed, developed and produced electronic boards
- Ground Laser cabling & connections
- DMX driving hardware

To be provided by the Organizer (where not specified, number and dimensions TBD based on hosting location):

- Laser projectors: n.3-6 [Kvant 4-10Wmax 2400 T80](#), or equivalent (min. scan speed 40kpps @ 8", min. overall aperture 60"), complete of 1 controlling PC computer -with Pangolin Beyond software installed (version 3.0 and up) and FB4 licenses-
- Sound system: n.4-10 [BOC EVOX 5](#), or equivalent, complete with 1x [Allen & Heath QL16](#) digital mixer console, or equivalent
- Fog machine: n.4-8 [FD-100 FOG](#), or equivalent, with relative fluid
- Hazer machine: n.2-6 [UNIQUE 2.1](#), or equivalent, with relative fluid
- Aluminum truss structure: n.10-16 [20x20 cube 6 way box carrier](#) preferable painted black (to anchor laser transmitters and receivers), or our custom-made metal base (to be transported from Italy)
- Low Tables to cover Laser transmitters and receivers: n.10-16 [LATA LATA TABLE](#), or our custom-made metal tables (to be transported from Italy)
- Power distribution: overall power need 18-32kw (63 Amp 5 Pin 3 phase socket), distributed accordingly to plan specifically developed and provided by Areaodeon
- DMX and XRL cabling: distributed accordingly to plan specifically developed and provided by Areaodeon



- zapytanie ofertowe nie obejmuje nagłośnienia,

TECHNICAL SPECIFICATIONS DETAILS

ON THE GROUND

The interactive laser carpet is composed by laser transmitters and laser receivers, up to 14 couples.

Both elements, provided by Area0deon, must be anchored to a weighted base, either to our custom-made solution (to be transported from Italy), or to a rented aluminum truss 6 way black box corner.

In order to protect them from rain/show and from being accidentally moved by the audience, a cover/table must be placed after calibration. Either our custom-made table (to be shipped from Italy), or some other of similar size (55x55cm 40cm minimum high).

To create the proper ambience and make all laser beams well visible, fog and haze machines will be necessary in number defined and based on the specifics of the hosting location.

Sound shall be delivered by high quality PA active system, preferably two way array, with acoustic frequency response as low as 40Hz. Soundscape and design will be spatialize and multi-channel so each array will be a specific and unique channel.



TECHNICAL SPECIFICATIONS DETAILS

IN THE AIR

Laser mapping projections will be delivered by controlling a set of laser show machines rented in a number determined by the specific hosting location.

The one machine we like working with, for its combination of speed, scan rate, angle aperture, power and affordability, is the [KVANT Climber 3490 F84](#), complete of 1 controlling PC with Pangolin Beyond software installed (version 3.0 and up) with licensed F84- and an operator to install the machines and overlook their proper functioning.

The laser projector could be installed either on a free-standing vertical truss (preferable painted black), properly weighted and secured to avoid any vibration or displacement.

