

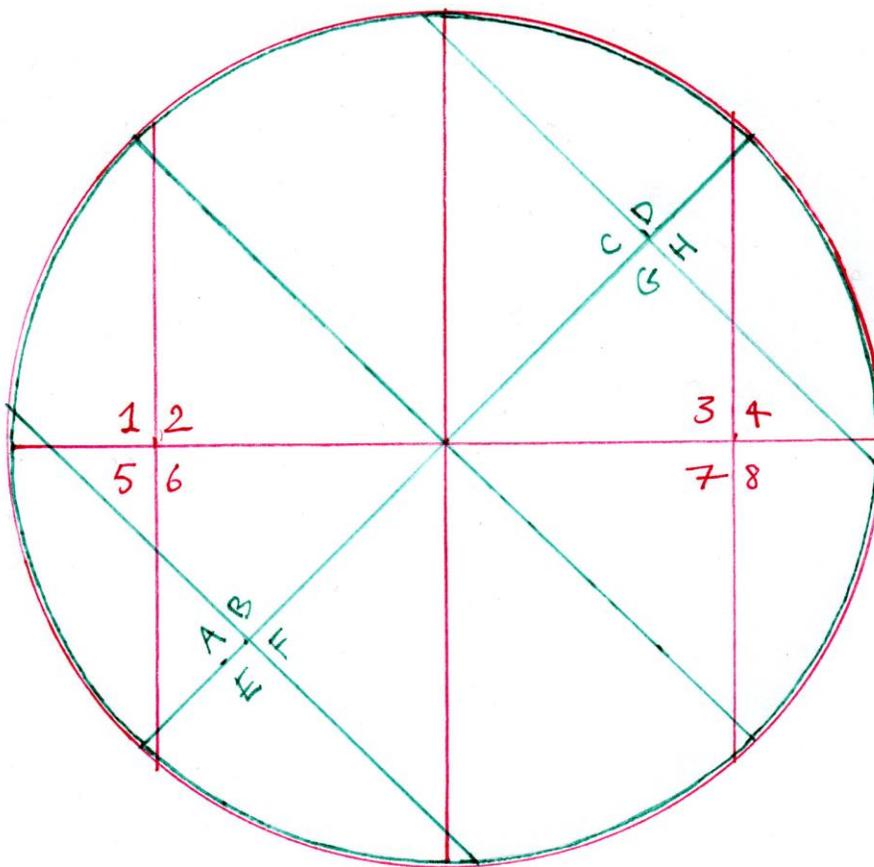
[SoleNoid] Installation space:

A dark space / room should be used to achieve the ideal effect.
The installation requires at least 5m x 5m of floor space and around this an additional space is needed for the public.

Installing the installation:

A wooden platform must be supplied! It should be built as follows: Two circular disks of **Medium-density fibreboard** (MDF) a diameter of 4m are to be placed on top of each other, but offset from each other so the seams do not overlap. **These two disks are needed because there is a lot of force placed on the base when the robots move!** Each disk should be 18 mm to 30 mm thick. The surface and edges of the platform should be painted matt black RAL 9005. Also a small circular wooden disk diameter 70 cm with a thickness 18 mm this is needed to attach the control panel to and must be painted matt black RAL 9005

Base for the installation:



4 m

Not to Scale

Additional notes to the construction:

The 4m diameter circles should be constructed from the minimum number of individual parts. All these **Medium-density fibreboard** (MDF) must be painted with at least 2/3 coats of matt black, the edges of all boards (even the ones facing inside on the structure on the upper most board) must also be painted. **The top disc is joined to the bottom disc (see above). It is joined so that the seams of the top disc do not overlap with the seams on the bottom disc. This is to make the top and bottom disc become a single joined structure.**

Equipment to be supplied by the organization:

Basics:

A 220 or 110 volt mains socket is need for the power supply for the computer.
A compressor must be rented by organization wishing to exhibit the work the compressor must be capable of giving an actual output of around 250 ℓ/min. The compressor can be used for more than one installation. Extra air hose only must be provided if the distance to the compressor is over 50m.

The compressor must be stored away from the installation to avoid noise problems. (note this distance can be large 50m is no problem, please email me if the distance is greater than this as it is still possible but extra hose will be required with a greater internal diameter to account for pressure drop over the required distance). **To check that everything is correct please email me a photo of the compressor and hose in advance!**

Lighting equipment:

Eight small **focusable ellipsoidal lights** (each 100 - 150 watts) are to be place above each shoe, the aim is to light each shoe individually with a circular shaft of light that has a diameter between 65cm and 110 cm.

My preference is to make the lighting circles overlapping each other as in the bottom image. I also use an industrial relay to switch on and off the ellipsoidal lights.



Time required for the installation of SoleNoid:

Build up time:

2-3 days to setup when the platform is built and ready for installation to be attached. Time required to install is highly dependent on level of technical support provided by organization.

Take down time:

Less than 1 day

Note:

If the exhibition is in Europe there is a possibility I can bring a compressor this is dependent upon the duration and the way my equipment is transported to the festival. For the compressor I will need a 16amp 3Phase electrical socket with a slow fuse which will not trip when a motor starts.