

Installing Aeolus and Site Requirements

It takes our experienced install crew approximately only 4 days to install the artwork. We can provide a bespoke service to meet all needs. If required a site visit can be arranged to look at the access and installation site before the auction deadline. Contact us to discuss this.

Below are some guidelines to explain the process from beginning to end. The images show the artwork being installed onto a grass surface – the technique may differ if other ground surfaces are required.

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Transport

Aeolus arrives on 2x flatbed lorries. The arch is in 2 parts, one on each vehicle, and the tubes are in wooden pallets. Base plates, which need installing into the ground, are also provided.

We will need to check the access route to ensure the vehicles can get through and that correct lifting gear is ordered to cross the terrain.



This shows Aeolus being carried onto the lawn terrace at Lyme Park, a National Trust property in Cheshire, UK. It involved passing under a beautiful stone arch and travelling

Method for install

The arch is first erected. For temporary installation the artwork is bolted to steel plates, which rest beneath the grass. For permanent installation the arch can be bolted onto a cast concrete foundation. We can supply drawings and plans for this.



This images shows the installation of the artwork onto a grass surface. The lighter end of the arch is bolted to steel road plates, which are hidden under the grass. (The road plates come with the artwork)

2x Telehandlers supplied by Luke Jerram fix the artwork arch together.



Grass around the site is protected and boarded out. The steel tubes are then inserted into the structure following a particular system that results in it being extremely difficult, if not impossible, to extract any tubes unless you know how to do so.



Once all of the tubes are in place on the structure the 20x Nylon strings are attached to the 3m tall listening posts, or to nearby trees or street architecture depending on how much space is available. It's the strings that vibrate and make the sound – and the listening posts have listening ports at varying heights, allowing even the little people to put their ear to them and hear the enchanting hum of the Aeolian harp!

The listening posts: Option 1 – installation with listening posts

Dimensions with listening posts.

With external listening posts (3m tall) the artwork requires a circular area of 35m diameter. See Eden Project set up below.





The listening posts: Option 2 - installation with no listening posts

In MediaCityUK and at Canary Wharf there was not the space for external posts, so no listening posts were used. We attached the strings directly onto trees and lamp posts. With all the strings attached it needs an area of 30m x 15m minimum to achieve optimum singing levels.



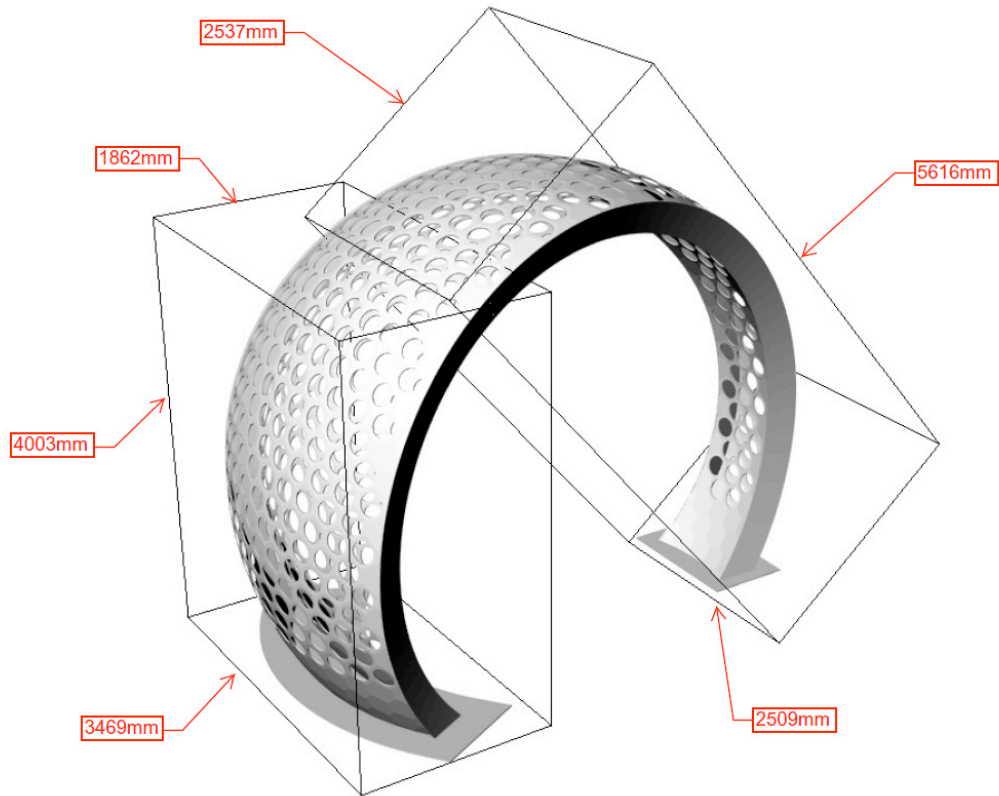
Outside the BBC Centre at Media City, Salford, UK



Canary Wharf, London, UK

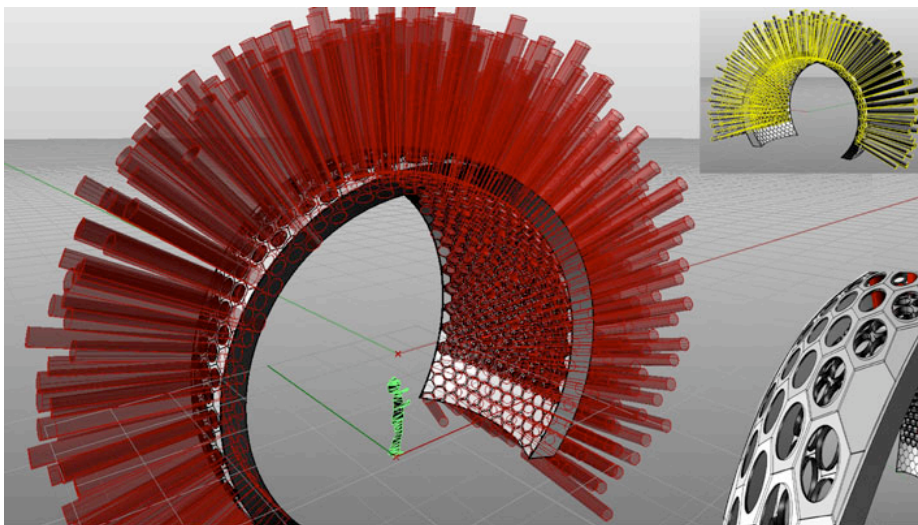
Height, length and weight

The steel arch is made of Grade 316 stainless steel and with tubes weighs 9.5 tons in total. With all the tubes in place it is 6m tall, 9m wide. Here are the arch dimensions. Tubes are up to 2m in length, which slot into the arch.



Your Location

We can provide you with a 3D, CAD model to place the artwork into your landscape, to see what it will look like and where you'd like it. Please contact info@lukejerram.com for this file.



Site Requirements



Lyme Park, National Trust property, Cheshire, UK

Choosing a Suitable location: Wind

To make Aeolus sing the site needs to be moderately windy in the area and exposed, preferably on all sides. To allow for a steady air flow over the artwork there should ideally be no large trees or buildings within 20m of the artwork. In MediaCityUK the skyscrapers nearby actually made the site very windy as it was channelled between them. A minimum of 5MPH is necessary - there is no maximum wind speed that the artwork won't function in. A design check could be done if the location experiences extreme weather conditions.

If any doubt send the location to info@lukejerram.com for the team to look at.

Choosing a Suitable location: Risk from Climbing

The artwork is not safe to be climbed by the public. For this reason we feel the artwork is not suitable to be placed in the centre of a major UK city, where members of the public may try to climb the artwork. Nor should the artwork be located in a children's play park or area where children are generally left unsupervised.

During the UK tour we found no need to have any extra overnight security for the artwork. The artwork toured the UK without incident or public harm.

Choosing a Suitable location: Risk of Theft

The artwork has a steel scrap value of approximately £10,000 (this value changes daily), which needs to be considered when finding a suitable location. The artwork requires a semi-private/managed location to mitigate against risk. Again, we can advise on this issue.

Choosing a Suitable location: Risk Assessment

We have a general risk assessment for the installation of the artwork. However, because each location varies, a risk assessment will need to be completed by the new owner in regards its daily use.

Planning permissions

As the artwork is a sculpture rather than a building, the artwork needs no planning permission in the UK. If it is intended to be a permanent installation you may require planning permission, check with your local authority.

Spare Parts and Maintenance

We have spares of all the components necessary, which we will provide you with when the artwork is installed. We will instruct you as to the maintenance required. Once a year the artwork will need a hose down with a pressure washer to remove any dirt from the air.

Strings and Tuning

The nylon harp strings are tensioned by a hand crank mounted at the top of each listening post. Within the first few days the strings tend to stretch and so, the strings need to be re-tensioned, like a guitar does.

They are simply tensioned to a point that makes the strings sing. After the artwork has settled into the space, the strings may need tensioning every 6 months.

The strings are at their minimum a height of 3m from the ground, and towards the artwork higher still. This is beyond the height of an adults reach when jumping.

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