

## **PEER GYNT : a geography of lies**

### TECHNICAL REQUIREMENTS

#### **PRE-PRODUCTION**

*Peer Gynt : a geography of lies (Peer Gynt)* is adaptable to most concert halls.

It is important that video screens will be positioned at the best possible place in the hall, not obstructing the view of the orchestra.

Alexander Polzin will advise as to where to place the screens in each concert hall. In order to do so visuals (photographs) and technical specifications of the hall – including possible suspension points for the screens – should be sent electronically to Maestro Arts.

#### **GENERIC SPECIFICATIONS**

##### **SCREENS**

*Peer Gynt* requires two (2) large screens (dyptichon) – size depending on concert hall – to be provided by the promoter.

- The screens should be 4:3 (not 16:9)
- optimum screen material is Gerriets OPERA® Grey Blue Front and Rear Projection Screen (<https://goo.gl/8LOVPm> )
- The ideal colour of the screens is grey.
- The screens should be mounted on narrow black frames.
- If *Peer Gynt* is being performed in the second half of the concert, the screens should be in situ for the start of the first half. If *Peer Gynt* is being performed in the first half, there is the option to remove the screens during the interval.
- The positioning of the screens depends on the choice of projectors – the ideal position is suspended above the orchestra. Alexander Polzin will advise on the position of the screens in each concert hall.

## **PROJECTORS**

*Peer Gynt* requires two (2) projectors – to be provided by the promoter.

- The videos have a resolution of 1440 x 1080 pixels and will require a projector resolution that is Full HDTV (1080P native). Everything runs at a frame rate of 25 fps.
- Both projectors should stand horizontally.
- The projectors should ideally be installed in a sound-proof climate box.

## **LIGHTING**

- The less lighting in the hall, the better, in order not to clash with the video. Therefore, lit music stands with blue filters are recommended as opposed to standard overhead lighting. The orchestra will provide these. Stand lights produce a lot of 'environment' and that's not good when working with projection. Blue filters prevent this.
- There should be one (overhead) spot on the conductor and one spot on the soprano soloist.
- If the orchestra performs *Peer Gynt* with a Hardangerfiddle player, he should have a separate spot as well. The Hardangerfiddle is optional and can be replaced by viola and violin.
- The performance should start with total darkness in the hall. The stand lights and the light on the conductor then fade in.
- After the performance a gradual fade out of all lights to total darkness is required. Light then come back on for the applause.

## **SYNCHRONISATION**

- The sound and films are synchronised by cues (c25 cues). A cue sheet is provided on the hard drive with the video. The Bergen Philharmonic Orchestra will also provide a score marked with all cues.
- Each video file should stop at the final frame (in case the conductor takes longer than the recording). Between the videos there will be a crossfade
- An operator/video technician will be required to operate the computer following a cue sheet (a cue giver may be required).
- A computer (to be provided by the promoter) will be required for the video feeds (see in equipment list below).

- The computer should ideally be installed in a sound-proof control booth.
- Cables will be required to link the computer to the projectors.
- The speeds of the film are based on the tempi Eivind Aadland takes in the built-in soundtrack. The film projector should be equipped with a speed control to adapt to the conductor's tempi.

## **VIDEO**

The video will be delivered on a USB3 Hard Drive.

- The video format is 4:3, with 2 x 4:3 screens è1440x1080
- Two files of 1440 x 1080, which have to be synchronised (NOT one file 2880 x 1080 per cue, with the video split by the media server/software)
- Apple Pro Res 422 format

## **SUGGESTED EQUIPMENT:**

NB: Items used in Bergen for the premiere (alternative options indicated in brackets)

- Projectors
  - 2 x Barco HDX W18 flex 18k ansi video projector (Christie Roadster HD14K-M)
  - 2 x Barco TLD+1.2:1 projector lens (Christie HD 6.9-10.4:1 ILS)
  - 2 x backup projectors
- Screen
  - 2x Stumpfl Vario64 6,00x4,50 4:3 video screen
- Computer/Media server
  - 13" Macbook Pro Retina running Qlab 3 (Mac Pro Xeon Quad Core 2.8Ghz, Catalyst)
  - 3 x Monitor 24" LG W2442PA
- Control
  - QLAB or CATALYST media server as above outputting 2 synchronised video files (2 streams)
  - 2x miniDisplayPort to DVI adapter
  - Seamless mix/switcher Analogway Di-Ventix II, or equivalent

- Event remote controller Analogway Axion II, or equivalent
- Signal Extender – Lightware DVI-TPS-HDCP-TX&RX95, or equivalent
- Cabling CAT-6

## **TIMING**

The timing of Peer Gynt is 50 - 60 minutes.

In addition there may be another half of music relevant to the Project.

## **SCORES AND PARTS**

Scores and parts for Peer Gynt to be provided by Bergen Philharmonic Orchestra, included in the hire fee. (i.e. conductor score, orchestral parts and score for the operator/video technician.)

## **TECHNICAL REHEARSAL/CHECK**

- Prior to the first rehearsal a technical rehearsal is essential. This rehearsal should be done with the conductor present. The video should be played simultaneously with the video with the soundtrack that is included on the hard drive. The video with soundtrack serves as a point of reference to check if the actual video is running at the correct speed.
- A run-through with the orchestra prior to the dress rehearsal is necessary.
- For the second and further performances (if different venues) a technical check only will be sufficient.
- If the Promoter wishes, a technical producer can be arranged, at additional cost plus travel and accommodation, to oversee the production, or supervise the technical rehearsal(s). Please contact Maestro Arts.

As at January 2017