



ROYAL
OPERA
HOUSE

JOB DESCRIPTION

Title: Senior Technician, Lighting Control & Visualisation (Visualisation Bias)

Reports to: Lighting Control & Visualisation Manager, with a dotted line to the Lighting Upgrade Project Manager (Operations)

Background to the Renewal Programme:

The Royal Opera House has developed a major programme of work which brings together a range of energy and sustainability initiatives, infrastructure replacement works and upgrades, and refurbishment projects which will help to transform the working environment and technical capabilities across our estate.

Within our Covent Garden home, the technical estate comprises all stage-related infrastructure, equipment and technology and was installed in 1999. Significant elements are now reaching their end of life and have also been superseded by technological advancements. We have commenced the detailed planning for upgrades and replacements in a programme scheduled from 2022 and require expansion of some departments to ensure the successful implementation of the programme.

Overall Purpose of the Job:

To draft Vectorworks plans, develop 3D visualisation models for revivals and new productions and to facilitate the transition to a new, modern LED lighting rig, to use the ETC Eos console range to integrate with Capture. To assist the Lighting Control & Visualisation Manager in setting and adhering to renewal programme timelines in conjunction with the Lighting Project Manager effectively, ensuring that all activities are carried out to the highest possible standard of safety, efficiency, and quality.

Main Responsibilities:

Day to day technical operations

- Create and or render Vectorworks lighting plans and Capture models for revivals and new productions.
- Draft lighting plans that are both artistically and technically feasible.
- Create and render Capture models for revivals using information provided by the model room.

- Create Capture models to enable re lighting (either partial or in full) of existing ROH revival productions to reduce the amount of re lighting time required on stage.
- Conduct lighting visualisation sessions.
- Collaborate in the re-lighting of shows in tandem with artistic input from the Senior Lighting Management.
- Programme EOS show files for revival of existing productions with a new lighting rig.
- Collaborate with digital drawing department (Model Room)
- Align digital drawing processes to ensure standardisation and prevent errors.
- Regularly review and update drawings in line with ongoing changes and improvements.
- Collaborate to validate the functionality of the new rig.
- Create and run simulations to ensure desired visual effects can be achieved.
- Adjust models and plans based on feedback and tests.
- Archive data in line with ROH processes.

Health and Safety

- Take personal responsibility for the safety of self and others.
- Always promote a positive approach to Health & Safety and safe working practices.
- Undertake Health and Safety and any other training as identified by line managers and as required of the post.
- Ensure that any near miss, incident or accident is reported in accordance with ROH policy.
- Work with colleagues to maintain a clean, efficient, well-organised and safe physical working environment, ensuring all areas are kept in a clean and tidy manner.
- Follow risk assessments and safe working practices.

Communication and Relationships

- Assist in building an effective team by taking individual responsibility for attendance, quality of work, motivation and discipline, and providing support for other team members.
- Treat people with respect and maintain good working relationships.
- Coordinate work with others, sharing relevant information, ideas and resources, and demonstrate a disciplined approach to work.
- Maintain high standards and carry out tasks without detailed supervision.
- Develop strong working relationships with colleagues across the Renewal Programme, Technical, Production, and the wider organisation.

Continuous Improvement

- Keep in touch with best practice as relevant to the role and emerging technologies, including relevance to the sustainability aims and goals of the ROH.
- Manage own learning and continuous professional development relevant to the role; undertake any study or qualifications as required.
- Contribute to a culture of innovation and continuous improvement.

Deliverables

- Maintain high production standards and timely delivery of duties.
- Compliance with Health and Safety best practice and ROH procedures.
- Deliver outcomes to project specific timelines.

Note: This Job Description reflects the current situation. It does not preclude change or development that might be required in the future.

PERSON SPECIFICATION:

Skills and Experience

- Knowledge of Visualisation software, Capture desirable.
- Proficient understanding of the Eos family console range.
- Proficient user of Microsoft Office Suite.
- An understanding of AutoCAD.
- Good understanding of Vectorworks.

People Skills

- Strong communication skills
- Team player with a collaborative approach to working.
- Ability to work unsupervised and show initiative in dealing with day-to-day problems.
- Willingness to learn new skills and help train others.

Job Requirements

- Strong awareness of and adherence to Health and Safety policy and best practice
- Compliance with discrimination legislation and Equal Opportunities principles
- Flexibility to work varied hours including travel and work at other locations on ROH business if required.

