

## Production Engineer

**Reports to:** Project Manager

**Based:** Reading Branch

**Job purpose:**

To provide a customer focussed service for the successful delivery of technical production services and products within the events and entertainment industry.

To provide technical expertise, support (and maintenance) of all SFL Groups sound, lighting, video, set and staging equipment.

**Key responsibilities and accountabilities:**

**On an event**

- To be part of the team in the successful delivery of all technical requirements and solutions for events and hires working closely with the job handler.
- To deliver a high standard of work at all times – working towards SFL Excellence in Production mandate.
- To have a good working knowledge (set up, safe use and de-rig) of Industry Standard equipment.
- Rig and operate basic sound, lighting & video systems.
- To provide excellent customer service to our clients at all times
- To have a good working knowledge of cabling and designing and implementing an audio system.
- Stay abreast of current and emerging technologies relating to our industry and your development programme.
- Follow all H&S guidance – rigging, operating and re-rigging in a safe manner.

**In the Office or Warehouse**

- To perform basic repairs on equipment, soldering, drilling, replacement of parts and the manufacturing of cables.
- Participate in job planning as required.
- Keep the Warehouse and its surrounding areas a clean and safe environment to work.
- To follow all Company Policies and Guidelines at all times.

**Hours:** Full time and flexible with the needs of the role and business, with work at weekends and evenings/overnight.

**Holiday:** 28 days (including Bank Holidays)

**Location:** based at SFL Group, Unit 5, Headley Park 10, Woodley, RG5 4SW. Work on site or at another branch is usual.

**Salary range:** dependant on skills and experience, plus 9% non contributory pension, overtime, profitability bonus.

SFL Group does not discriminate over race, gender or orientation. As part of your job you are likely to have to work to deliver events for any faith or other organisation that may hold beliefs that are not the same as yours.

**Person Specification:**

## Essential -

- Be able to work flexibly, evening and weekend work is a key part of the role.
- Be a good team member and able to work on your own.
- Be adaptable and able to transfer knowledge
- Have good communication & organisation skills
- Ability to work under pressure and tight deadlines
- Good attention to detail, tidy workplace.
- Hard working and enthusiastic
- Good time management skills
- Ability to problem solve and to work to deadlines
- Basic knowledge of TCP/IP networks; wired & wireless.
- Sound understanding of rigging systems and safe working practices.
- Awareness of noise at work regulations & the effect of exposure to noise for all employees & members of the public.

## Desirable

- Possess a basic working knowledge of Microsoft Office applications.
- Knowledge of Hirehop
- IPAF
- Experience of working at height.
- Rigging certificate & PAL desirable but not essential.

An SFL Production Engineer will generally be expected to work across most disciplines, however we know many people will have particular specialisms within the general role, the expected knowledge in these specialisms is detailed below.

### Role Specific

#### Audio Engineer

- Knowledge of basic audio principles – e.g. acoustics, waveforms, electrical systems.
- Good working knowledge of operation, set up & safe use of speaker systems owned & hired by SFL - d&b, l'Acoustics, Meyer Sound.
- Good working knowledge of digital networking and audio consoles owned & hired by SFL – essential - Yamaha, Midas, Roland; desirable – Avid, DiGiCo.
- Mixing skills - Basic musical understanding and the ability to critically listen to audio.
- Understanding of radio technology for the entertainment industry.
- Awareness of noise at work regulations & the effect of exposure to noise for all employees & members of the public.

#### Video Engineer

- Knowledge of basic video principles – e.g. video formats, resolutions, signal flow, EDID.
- Good working knowledge of operation, set up and safe use of projection and screen systems owned & hired by SFL –Barco, Canon, Christie, Panasonic.
- Good working knowledge of operation of image processing and transmission systems – Barco, Extron, Lightware, Kramer, Analog Way.
- Understanding of media servers and playback systems inc. QLab, Playback Pro, ProPresenter, Hippotiser.
- Sound working knowledge of creation and use of Microsoft PowerPoint & Apple Keynote slide decks.
- Basic understanding of video codecs and file formats/wrappers.

#### Lighting Engineer

- Knowledge of basic lighting systems & optical theory.
- Good working knowledge of operation, set up & safe use of lighting systems (generic and intelligent) owned & hired by SFL.
- Understanding of lighting control systems inc. DMX, 1-12V.
- Sound understanding of rigging systems and safe working practices.
- Understanding of basic power distribution systems; awareness of IEEC 17<sup>th</sup> edition desirable.
- Experience of working at height.
- Rigging certificate & PAL desirable but not essential.