

# Alistair J. Sterling

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## PROFESSIONAL SUMMARY

Forward-thinking Technical Director with over 12 years of experience managing large-scale theatrical productions and live events. Expert in structural engineering for the stage, high-end automation, and budget optimisation. Proven track record of delivering 100+ complex scenic designs while maintaining a perfect safety record and reducing material waste by 20%.

## WORK EXPERIENCE

### Technical Director | Royal National Theatre | London, UK

May 2018 - Present

- Oversight of all technical aspects for 7 mainstage productions annually with budgets totalling £1.1M.
- Engineered a complex rotating stage for a premier production that facilitated 12 seamless scene changes.
- Managed a full-time staff of 15 and up to 40 casual technicians during peak production periods.
- Implemented a new digital safety tracking system that reduced workplace incidents by 40% over three years.
- Negotiated a long-term contract with a regional steel supplier, saving the organisation £25,000 in annual material costs.

### Regional Technical Supervisor | Creative Technology (CT) | Manchester, UK

Aug 2013 - Apr 2018

- Directed the technical implementation for 25+ large-scale corporate trade shows and live concerts across Europe.
- Audited and approved structural rigging plots for overhead loads exceeding 22,000 kg.
- Conducted feasibility studies for proprietary LED wall integrations, increasing client satisfaction scores by 15%.
- Managed a high-speed turnaround schedule for venue transformations, consistently beating deadlines by 4+ hours.
- Supervised the maintenance and repair of a £4.5M inventory of automation and staging equipment.

### Assistant Technical Director | Birmingham Repertory Theatre | Birmingham, UK

Jun 2010 - Jul 2013

- Performed structural analysis and created technical drawings for 18 varied scenic designs.
- Led the carpentry team in the construction of a two-story realistic house set with working plumbing.
- Optimised shop workflows using Lean principles, reducing build time by 10% per show.
- Tracked daily expenditures against production budgets to ensure 100% financial compliance.

## EDUCATION

### Royal Central School of Speech and Drama | Master of Arts | Creative Production and Technical Management

Sept 2008 - Jun 2010

### Guildhall School of Music & Drama | Bachelor of Arts (Hons) | Technical Theatre Arts

Sept 2004 - Jun 2008

## SKILLS

AutoCAD & Vectorworks, Structural Steel Fabrication, Stage Automation Systems, Rigging & Load Calculations, Pneumatics & Hydraulics, CNC Routing & Digital Fabrication, Budget Forecasting, Supplier Negotiation, IOSH & NEBOSH Safety Compliance, Resource Allocation, Project Scheduling, Conflict Resolution

## CERTIFICATIONS

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NRC Level 2 Rigging | National Rigging Certificate (2016)

NEBOSH National General Certificate in Occupational Health and Safety | NEBOSH (2019)

## LANGUAGES

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English (Native)

French (B2 DELF)

## ACTIVITIES

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### **ABTT Member**

Active member of the Association of British Theatre Technicians, contributing to safety standards committees.

### **Scale Modelling**

Building historical architectural models to scale as a personal study in structural evolution.