

Role Summary

Under the direction of the Rapid Prototype Manager, you will be responsible for the production of Rapid Prototyped models, collaborating with architects, designers and modelmakers. You will translate their ideas into tangible prototypes and models using advanced machinery and cutting edge technology in our in-house Rapid Prototyping facility ("RP"). You will work as a team member and on your own initiative, be self-motivated and pro-active. The position requires a high degree of responsibility, discretion and confidentiality.

Role Definition

Job Title: Rapid Prototyping Technician
Reporting to: Rapid Prototype Manager and Modelshop Partners on a day to day basis and ultimately to Senior Partner

Responsibilities

- Collaborate with architects, designers and modelmakers to understand project requirements for rapid prototyping.
- Receive and check CAD files, ensuring files are compliant with the requirements of the chosen RP technology, and in printable condition ('normal's', wall thicknesses, etc)
- Coordinate with architects/designers in the preparation of their drawing files
- Schedule and prioritize the work for the Rapid Prototyping facility.
- Transform the design concepts into physical prototypes using various rapid prototyping techniques, including 3D printing and SLS.
- Conduct quality control checks on prototypes, ensuring accuracy, structural integrity, and adherence to design specifications.
- Supervise regular machinery maintenance.
- Troubleshoot technical issues related to rapid prototyping processes, machinery, and software, ensuring smooth operation and optimal performance.
- Maintain an organized inventory of materials, tools, and supplies required for rapid prototyping activities.
- Pack and organise models for overseas travel and/or local transportation.
- Adhere to Health & Safety (H&S) requirements and best practices while operating machinery and handling hazardous materials.
- Ensure a level of confidentiality is kept at all times and proper protocols are followed when sharing information,
- Contribute, or otherwise assist, as required
- Equity, diversity & inclusion (EDI) is a core priority. To support and champion the embedding of this focus as a collective workforce responsibility, EDI should be integrated, where relevant, into all workstreams .
- Thorough knowledge of and compliance with F+P procedures and standards

Qualities and skills required**Essential**

- Able to demonstrate ability to undertake the above responsibilities
- Legally able to work in the country in which the position is based
- Experience in a practical background
- Able to carry out intricate and precise work

- Good level of computer skills
- Empathy with a creative environment
- Resilient to cope with conflicting demands
- Excellent written and verbal communication skills
- Articulate and diplomatic manner
- Able to manage and prioritise tasks and time efficiently
- Able to work under pressure and to tight deadlines
- Excellent organisational skills
- Able to manage sensitive and sometimes confidential information
- Self motivated and able to take responsibility
- Flexible attitude
- Able to demonstrate initiative and a proactive approach to daily tasks
- Good interpersonal skills and able to build relationships at all levels, internally and externally
- Able to work independently as well as part of a busy team with definite hierarchy
- Due to the nature of the position there will be a requirement to work additional hours as necessary

Desirable

- Understanding of CAD/3D modelling software i.e. Microstation, Magic's, ZPrint or alternatives (AutoCAD, Rhino, Blender, 3D Studio Max, Cinema 4D, Houdini, Wings3D)
- Previous experience with rapid prototyping technology.
- Experience of using Microsoft Outlook
- Good model making skills
- Understanding of architectural model making
- Understanding of architectural terminology

This description reflects the core activities of the role but is not intended to be all-inclusive and other duties within the group/department may be required in addition to changes in the emphasis of duties as required from time to time. There is a requirement for the post holder to recognise this and adopt a flexible approach to work. Job descriptions will be reviewed regularly and where necessary revised in accordance with organisational needs. Any major changes will be discussed with the post holder.