

JOB DESCRIPTION – CAD ENGINEER

Job Title	CAD Engineer
Date Reviewed	July 2023
Responsible To	Sales Director
Responsible For	None
Location	London Office

Business

Profile

AVK are the UK's leading provider of critical power systems and maintenance that guarantee reliable power. For 33 years we've been supplying UPS systems, standby diesel generators and more recently Battery Storage and Gas Generation solutions providing our clients with reliable back-up power schemes for their mission critical services & systems.

We are trusted by many of the UK's largest Data Centre operators, Finance & Banking providers and Telecommunications companies to design, install and maintain 100% power integrity by providing diesel/gas generators, uninterruptible power systems, battery storage, switchgear, protection relays and turnkey solutions.

AVK specialise in all aspects of the design, planning, implementation and on-going maintenance of critical power systems. We provide solutions for standard or large-scale bespoke applications, covering all project sizes from £1k up to £30m. Our extensive and growing client base reflects our highly regarded reputation for both quality and service.

Overview

To provide technical documentation and drawings to support the Project Sales team in their tender and bid submissions, working closely with the AVK Engineering team to ensure a cohesive and professional approach to our client base

Responsibilities

- 1 Assist and contribute to on-going and new sales projects
- 2 Liaise with clients and outside parties/contractors to ensure accurate and detailed designs are produced according to key requirements
- 3 Attend site and project reviews as required, take detailed survey information and feedback recommendations
- 4 Provide support in the development of construction and technical solutions to meet customer specific needs
- 5 Provide input into the planning of projects and assist Project Managers to correctly scope out projects, with timelines and verification activities
- 6 Assist in the preparation of clear reports, technical submissions, designs and drawings
- 7 Continuous development of good technical understanding of all areas of CAD drafting, AutoCAD MEP, BDS, REVIT and BIM
- 8 Maintain knowledge of appropriate technical standards, legislation, codes of practice and UK standards
- 9 Assist in the generation of AVK standard drawings
- 10 Assist in the production of new AVK branding drawings

Person specification

Key skills and knowledge	Desired/Essential
A minimum of 5 years' experience of CAD design	Desired
A minimum qualification level of HNC or HND in Engineering or qualified by experience	Desired
The ability to work effectively and competently with minimal supervision across all levels of the organisation	Essential
Compelling and concise communication skills, able to professionally and calmly negotiate in high pressurised situations	Essential
Knowledge of electrical schematics and the ability to write/generate technical documents	Desired
Articulate with excellent rapport and team building skills	Essential
100% accuracy of CAD, 2D and 3D	Essential
Experience of technical industry including structural, mechanical engineering and construction	Desired