

Job Title	CAD Design Engineer
Date Reviewed	August 2021
Responsible To	Operations Director
Responsible For	None
Location	Kent

Business Profile

ECS was established nearly 15 years ago to meet the increasingly complex and growing demand for well-engineered control systems. In that time the company has built a first-class reputation for delivering practical and efficient solutions for their clients; from conception through design, build, installation and commissioning of projects, both in the UK and Europe, and into the APAC and South America regions. Thanks to our commitment to quality, the majority of our clients, including world-leading pharmaceuticals, international shipping (and the UK's leading critical power systems supplier) return for support time and time again.

Responsibilities

	Produce Eplan/AutoCAD drawings for bespoke, complex electrical control panels
	Ensure all drawings are produced compliant with ECS standard technical design
	Liaise with clients and outside parties/contractors to ensure accurate and detailed designs are produced according to key requirements achieving a design solution for their application or product
	Provide input into the planning of projects and assist Project Managers to correctly scope out projects, with timelines, verification activities and materials required
	Assist in the preparation of clear reports, technical submissions, designs and drawings
	Provide support in the development of construction and technical solutions to meet customer specific needs
	Produce cable termination sheets from design drawings to ensure clear accurate information is available for our client's projects
	Ensure selected equipment meet design constraints via the production of 3D drawings
	Continuous development of good technical understanding of all areas of CAD using Eplan.
	Maintain knowledge of appropriate technical standards, legislation, codes of practice and UK standards
	Produce bill of materials from design drawings for our client projects within specified timescales, liaising with Project Managers and team where appropriate

Person specification

Key skills and knowledge	Desired/Essential
A minimum of 3-5 years' experience of Auto CAD	Essential
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
Experience of technical industry including structural, mechanical engineering and construction	Desired