Project Engineer (SolidWorks)

Development Engineering & Enterprise Ltd
Established in 2005, Development Engineering & Enterprise Ltd (DEE-Ltd) provides innovative engineering solutions to a broad spectrum of customers and market sectors.

Due to the growth of the company we are looking to expand our engineering team and are actively seeking dedicated individuals to support a range of customer focussed development projects.

Role Type
Full Time - Permanent employment with DEE. Contractor applications will also be considered, with engagement terms agreed separately.
Based at the DEE site, with travel to customer sites and suppliers as required.

Project Engineer

This hands-on role focuses on the development of vehicle interior trim and structures, combining SolidWorks design, project coordination and manufacturing support. You will take work from initial requirements and concept design through detailed drawings, build support, testing and handover, working closely with DEE colleagues and customer teams.

Your responsibilities will include:

- Develop vehicle interior trim and associated structures, including panels, brackets, mountings and supporting assemblies, from concept through to manufacture and installation.
- Develop 3D models, assemblies and technical drawings for vehicle interior trim and structural components using SolidWorks, applying design for manufacture and assembly principles.
- Plan and coordinate engineering work from project scoping through design, manufacture, testing and handover, monitoring progress and reporting status.
- Produce and maintain build manuals, work instructions, bills of materials and supporting technical documentation.
- Maintain engineering change control, drawing revisions and accurate design records.
- Work with customers, production teams, suppliers and other stakeholders to resolve design queries and support practical project delivery.
- Provide engineering support during prototype builds, trim installation, production trials and vehicle testing; investigate and resolve practical design, fit, assembly and manufacturing issues.
- Support the identification of applicable vehicle requirements and prepare design and test evidence with DEE and customer specialists.
- Travel to customer and supplier sites for design reviews, build support, testing and project handover as required.

Candidates will have strong SolidWorks CAD and technical drawing skills, and at least four years of relevant design or project engineering experience, with the ability to develop practical vehicle interior trim and structural solutions. You will be organised, proactive and comfortable working independently and as part of an integrated team. **Remuneration**
For permanent employees, DEE offers the following package and opportunities for professional development:

- Basic salary of £45,000 to £50,000 per annum, depending on experience.
- 40-hour working week.
- 24 days annual paid leave, increasing with service.
- Workplace Pension

Contractor rates and engagement terms will be agreed separately; the employee salary and benefits above apply to permanent employment.

Essentials

- Applicants must have an established right to work in the UK.
- Strong SolidWorks CAD skills and experience producing clear manufacturing drawings, specifications and design documentation.
- Minimum four years of relevant design engineering, project engineering or similar technical experience in a manufacturing or engineering environment.
- HND, engineering degree or relevant manufacturing background with demonstrable engineering capability.
- Good understanding of manufacturing processes, including steelwork, fabrication, assembly and processes used to manufacture interior trim components.
- Ability to plan and deliver engineering work, manage priorities and coordinate with customers, colleagues and suppliers.
- Practical engineering problem-solving ability and strong numeracy skills.
- High attention to detail and a disciplined approach to technical documentation and change control.
- Clear written and verbal communication, with the ability to explain technical information to different audiences.
- Good MS Office skills, particularly Excel, Word and PowerPoint, and familiarity with project planning tools.
- Self-motivated, organised and proactive; able to work independently and within an integrated team.
- Full driving licence and willingness to travel to customer and supplier sites.

Desirables

- Experience of vehicle development or conversion projects.
- Experience in the taxi and/or wheelchair accessible vehicle (WAV) sector.
- Experience developing automotive interior trim and associated structures, including material selection, component interfaces and fixing methods.
- Experience of legislative compliance, vehicle regulations or type approval, including preparing supporting engineering documentation.

- Experience of vacuum forming or other manufacturing processes used for vehicle interior trim and associated components.
- Familiarity with ERP systems or electrical and wiring fault finding.

If you enjoy practical engineering, taking ownership of your work and delivering excellent customer service, we would welcome the opportunity to discuss this role with you.

Applications
To help us understand your engineering experience beyond your CV, please include brief responses to the following questions with your application. We are not looking for lengthy answers; concise examples based on your own experience are preferred.

1- **Personal Biography** – Tell us a little about yourself beyond your CV. What are you passionate about, both professionally and personally? We'd be interested to hear about your interests, hobbies, personal projects or achievements, particularly anything that demonstrates your enthusiasm for engineering, making, designing, building or problem-solving. *(250 Words Max)*
2- **Design-to-manufacture example** - Briefly describe a component or assembly that you have personally designed and taken through to manufacture. State the manufacturing process used, your involvement in the design, and any changes you made to improve manufacturability, cost, quality or assembly. *(250 Words Max)*
3- **Engineering problem-solving example** - Describe a technical problem you have encountered during manufacture, assembly, testing or use of a component you designed. How did you identify the root cause, what action did you take, and what was the outcome? *(250 Words Max)*

Please send your CV and supporting information to careers@dee-ltd.co.uk with reference PRJSW-2611.

Use of AI: We recognise that candidates may use AI and other digital tools as part of their normal working practices. You may use these tools to support your application; however, your answers must accurately reflect your own experience, knowledge and judgement. Candidates should be prepared to discuss and expand upon their responses during interview.