



**Job Title:** Lead Systems Engineer  
**Based at:** Stowmarket, Suffolk  
**Reports to:** Engineering Manager  
**Hours of Work:** 8.30am to 5.00pm Mon to Fri

### **Job Purpose**

The Lead Systems Engineer will lead the Systems Team within the Engineering Department, overseeing the design, development, and implementation of electrical, hydraulic, and control systems for Timberwolf's products. This role combines hands-on engineering with strategic leadership, ensuring that system design not only delivers immediate project outcomes but also supports the company's long-term product roadmap, innovation goals, and compliance requirements.

The Lead Systems Engineer will champion continuous improvement, develop and integrate new technologies, and ensure that systems engineering practices contribute to safe, sustainable, and cost-effective product solutions. As team leader, they will provide technical direction, mentoring, and strategic guidance to ensure the Systems Team delivers value aligned with company objectives.

### **Duties and Responsibilities**

#### Technology Strategic Leadership

- Shape the systems engineering strategy, aligning with company objectives and long-term product development roadmaps (e.g., electrification, automation, sustainability).
- Identify and evaluate emerging technologies, ensuring Timberwolf remains competitive and innovative in forestry and tree care machinery.
- Develop and implement systems engineering standards, best practices, and processes across the business.
- Provide input into business planning by assessing system-level risks, opportunities, and resource requirements.
- Work cross-functionally with manufacturing, supply chain, quality, and commercial teams to ensure system design decisions support business-wide goals.

#### Technical & Operational

- Lead and contribute to continuous improvement initiatives.
- Create and maintain BOMs, including control of part revisions.
- Support the design and implementation of new products.
- Produce technical specifications, detailed drawings, diagrams, and programming software.
- Create and maintain relevant components on the MRP/ERP system.
- Perform calculations for correct selection and sizing of electrical, electronic, and hydraulic components.



- Provide Systems Engineering expertise across the business.
- Support the preparation of Technical Files, including CE/UKCA marking and other compliance documentation.
- Ensure tasks and projects are delivered to agreed deadlines and budgets.
- Oversee and perform prototype machine testing.
- Provide instruction, guidance, coaching, and mentoring to team members.
- Delegate work effectively and monitor progress of Systems Team activities.

### **Skills and Attributes**

- Strong background in Electrical, Control, or Systems Engineering.
- Proven experience in product development and design for manufacturing (DFM).
- Skilled in 3D CAD systems (SolidWorks or similar).
- Experience in PLC software development, including CANbus communication.
- Knowledge of BS EN ISO 13849-compliant control systems.
- Solid understanding of hydraulic, electrical, electronic, and programming principles.
- Experience working in a manufacturing/engineering LEAN environment.
- (Desirable) Experience in hybrid or fully electric system design and integration.
- IT literate (Excel, Word, 3D CAD, ERP systems).
- (Desirable) Supervisory/management experience with the ability to mentor and develop colleagues.

### **Qualifications**

- HNC/HND qualified in appropriate discipline
- Valid Full UK driving license