

Job Title: Controls Engineer Issue 7: January 2024

Reporting To: Controls Team Leader

Job Purpose: To provide controls design resource to Inca's Engineering department.

Inca Digital Printers, part of the Agfa-Gevaert Group within the Digital Print and Chemicals Division, a leading global supplier of class leading industrial digital ink jet printers, has a vacancy for a Controls Engineer within the Engineering Department.

Based in our Cambridge development centre and reporting to the Controls Team Leader the applicant would be involved in the whole lifecycle of product development from concept and prototype stages, through to production and support.

This role requires experience and skills across the full development lifecycle; from technical specification through design and verification, and into product integration and production.

This role requires a candidate capable of fault finding and troubleshooting electrical control systems and a keen desire for problem solving with a methodical approach.

| Principal Responsibilities |
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| ➤ To design and develop specifications for electrical control systems |
| ➤ To liaise closely with the Project Manager and Project Team, identifying design requirements: function, reliability, cost, serviceability, and ensure the design integrates correctly |
| ➤ To design, develop, upgrade and troubleshoot PLC programs, HMI and electrical control hardware in a timely manner preparing and maintaining design documentation |
| ➤ To produce bills of materials specifying bought out components and their source of supply |
| ➤ To obtain cost effective quotations from vendors for electrical control systems components and place timely orders |
| ➤ Throughout the build process, to provide technical support to the Manufacturing Team, Procurement and the Design Team, providing assistance with test and build procedures, and the transfer of the product to manufacturing and the customer |
| ➤ Defining appropriate, cost effective manufacturing and assembly techniques |
| ➤ Understanding technical risks and devising and implementing mitigation plans |
| ➤ Ensuring new product designs meet all the necessary requirements and mandatory standards |
| ➤ Responsible for ensuring that new product developments of electrical control systems are delivered on time and to quality |

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| ➤ Definition of product acceptance criteria & testing | |
| ➤ Supporting product integration and acceptance testing | |
| ➤ Technical support to end customers | |
| ➤ To become familiar with, and adhere to, the Company and Parent Company processes, policies and procedures | |
| Knowledge and Experience | |
| 1. Relevant qualification (HNC or above) in Electrical and/or Control Engineering or equivalent experience | |
| 2. Controls Engineer with more than five years product development and manufacture experience, preferably in a multidisciplinary manufacturing environment | |
| 3. Proven knowledge of PLC electrical control and multi-axis motion control systems. Experience in using Eplan and/or E3.Series, as well as Beckhoff TwinCAT, is desirable | |
| 4. Previous experience gained within Commercial Printer manufacture or similar Industry, alternatively in Fast Moving Consumer Goods manufacture or System Integrator setting in the design and commissioning of electrical control systems | |
| 5. Up-to-date knowledge of national and international electrical and safety regulations will be advantageous | |
| Key Competencies | |
| • Deciding and Initiating Action | • Learning and Researching |
| • Working with People | • Delivering Results & Meeting Customer Expectations |
| • Relating and Networking | • Adapting and Responding to change |
| • Applying Expertise and Technology | • Coping with Pressures and Setbacks |
| Contact with Others | |
| 1. Engineering Director and Projects & Technology Director | |
| 2. Controls Team Leader and Project Managers | |
| 3. Multidiscipline Engineering Team | |
| 4. Operations, MRP and Procurement | |
| 5. Customer Support and Technical Publications | |
| 6. Suppliers for technical liaison | |