



PROJECT ENGINEER – CRANE DIVISION

ABOUT CAMOTION

CAMotion is a premier manufacturer of innovative motion control and automation equipment for industry. Our products include industrial material handling robots and systems, and advanced motion technologies for industrial cranes.

JOB OVERVIEW

CAMotion's crane control division provides automation and motion control solutions for industrial cranes. These solutions include technologies for automatic load positioning, collision avoidance, expert-control technology enabling novice crane operators to perform as well as experienced counterparts, and vision-based manipulation assistance.

CAMotion is looking for a driven project engineer who possesses a diverse skill set to support aggressive growth of our crane technology within the industrial crane market. This individual has the capacity to assume increasing responsibility in a highly successful start-up company. The position shall be based out of CAMotion's headquarters in Atlanta, Georgia.

JOB DUTIES

- Maintain extremely high technical knowledge about current and upcoming crane products;
- Support channel partner efforts to develop markets by developing and conducting technical training programs. These may entail on-site or off-site multi-day visits with channel partners. **Travel could be up to 30%;**
- Effectively increase the potential for new sales by following structured design methodology to develop and author conceptual proposals for high-end engineered crane control systems; drive revenue by effectively guiding end users to proposed solutions;
- Deliver best-in-class solutions for customers by following structured design methodology to develop, author, and execute work proposals for high-end engineered crane control systems; activities may include specifying hardware, designing control system architecture, extensive PLC and PC programming;
- Provide on-site installation and commissioning assistance to channel partners or end users;
- Position company as a technical leader by assisting in the development, simulation, and testing of next-generation control algorithms;
- Strengthen perception of company to end-users and channel partners by authoring/maintaining product manuals, installation guides, and technical literature that are easy to understand, simple to execute, and professional in design;
- Assists in responding to strategic RFPs and RFIs. Collaborate to win such tenders and bids;



- Provide competitive edge for company by collecting, compiling, analyzing, and disseminating competitive intelligence;
- Provide competitive edge for company by collecting, compiling, analyzing, and disseminating statistics of installed systems;
- Improve solution offerings by evaluating products critically, recommending product improvements, and monitoring customer satisfaction;
- Protect organization's value by keeping marketing and product information confidential;

TECHNICAL REQUIREMENTS

- Candidate must demonstrate strong programming skills, including working knowledge of object-oriented programming concepts; candidate should be extremely competent with programming in MATLAB;
- Strong mathematical competency, including vector calculus, linear algebra, dynamics, and control;
- Candidate should have practical experience using PLC-based hardware and I/O modules. Experience with Siemens S7-300, preferred;
- Candidate must be competently able to participate in and supervise field/shop work activities such as machining, hardware installation, field wiring, panel wiring, etc.
- Candidate must have extremely strong verbal communication skills;
- Candidate must demonstrate that he or she possesses extremely strong written communication skills;
- Experience using Latex software for publishing is desirable;

EDUCATIONAL REQUIREMENTS

- Candidate should have a Masters degree in an engineering discipline;
- Candidate should have demonstrated exceptional academic achievement;

OTHER REQUIREMENTS

- Candidate must have strong organizational skills and ability to successfully manage projects;
- Must have a current valid passport;



CAMotion offers a competitive salary and benefits. No relocation assistance will be provided for this position. If hired, must be able to prove legal right to work in the US.

If interested and qualified, please submit a PDF of your resume as well as PDF versions of up to 3 publications or reports of which you are the primary author. Submissions should be emailed to gina.crawford@camotion.com. Submitted files must subscribe to the following name convention: "POS650_LASTNAME_RESUME.pdf", "POS650_LASTNAME_PUBLICATION_01.pdf", etc. Do not use any other methods to apply for this position – unless you are very interested, then try to call (194) 398 – 2DF.