



RECRUITMENT

REFERENCE NUMBER:	CADAPP0219
JOB TITLE:	CAD Applications Engineer
LOCATION:	Denham, Middlesex

Martin-Baker is the world's leading manufacturer of ejection seats and related equipment.

It is the only company that can offer a fully integrated escape system that satisfies the very latest in pilot operational capability and safety standards. Martin-Baker offers a complete 'end-to-end service', from helping the customer to establish operational safety and escape requirements, including design, development and qualification, to on-going support throughout the entire service life of the aircraft.

DEPARTMENT NAME:	Engineering
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JOB DESCRIPTION

A vacancy has arisen for a CAD Applications Engineer in the Engineering department at Denham. The purpose of the job is facilitating the effective and efficient use of the company's CAD/CAM, CAE, Visualisation and PLM software tools across the business and throughout the complete life cycle of the product.

AREAS OF RESPONSIBILITY:

- Support users on deployed Engineering solutions including:-
 - o NX, Teamcentre, Vis mockup, BCT Compare, SBM
 Duties include:-
 - o Day to day trouble shooting of user's issues and problems including software, methods and procedures etc.
 - o Liaising with software suppliers to resolve issues.
 - o Checking software bug fixe status and validate effectivity of fix.
 - o Creating "How to guides" and best practice.
 - o Creating standard setups, templates, routines and wizards etc. to improve efficiency and reduce errors etc.
- Work with CAE Steering committee to help build on currently deployed Engineering solutions including helping develop interfaces with other existing and emerging business systems to improve overall company effectiveness and efficiency.
 Duties Includes-
 - o Identifying process and/or capability improvements.
 - o Business case and requirements capture.
 - o Conducting trade studies and helping formulate solutions.
 - o Act as technical SME in any related purchasing activity to above.
 - o Planning implementation of approved changes.
 - o Developing and documenting bench marks and acceptance tests.
 - o Sourcing and deploying training to users.
 - o Support any new deployment and/or upgrade programme.

- Conduct voice of the customer review of new deployment or upgrade.
- Help to resolve new issues resulting from updates.
- Document lessons learned.
- Mentor and / or arrange mentoring for users after new deployment or upgrades
- Producing full audit of change and quality checks performed.
- Champion the adoption of enterprise level end to end business standards, processes, technologies and best practice in line with Martin-Baker strategic focus and business objectives.
- Regular updates to stakeholders on progress toward meeting objectives including Key Performance Indicators, achievements and issues.
- Produce and deliver presentations that convey the relevant issues in a clear and concise manner to both internal and external customers and suppliers at all levels.
- Become the lead expert and PMI/Visualisation champion interfacing between Engineering and others cross-functionally for NX Design/Draughting/CAM best practice and disciplines towards 3D master methodologies for PMI.
- Identifying and leading continual improvement with regard to MBA procedures.

EXPERIENCE & KNOWLEDGE:

- The job holder must have significant knowledge and experience in the use of NX used within a design and manufacturing environment.
- Proven track record of delivering projects.
- Creation and delivery of presentation work and documentation.
- General knowledge and experience of working within standards desirable.
- Knowledge and application of Aerospace / Defence or similar design desirable.

EDUCATION & QUALIFICATIONS:

- Ideally degree qualified in a relevant discipline.

SPECIFIC/TECHNICAL SKILLS:

- Excellent computing skills
- Knowledge of operating systems and NX user profile setup
- Highly proficient in NX modelling and draughting software.
- MS Office (suite of applications).
- The following are desirable:
 - NX12 & Teamcenter 11; HD3D reporting; Checkmate; Vis Mockup; Geolus; NX Nastran; NX Motion; Ansys; Vericut; CMM

PERSON SPECIFICATION:

- Attention to detail – thorough and accurate.
- Drive to achieve results - sets own standards, checks own work, and demonstrates a positive approach.
- Judgement and decision making - evaluates key decision making criteria.
- Planning and organising work.
- Analysis and problem solving - sees basic relationships and reacts positively.
- Working collaboratively - actively contributes to achieve organisational objectives.
- Professional / technical expertise - uses technical and professional knowledge, skills and judgment effectively.
- Initiative – acts on various methods and strategies for solving problems and meeting objectives before being asked or required to do so.
- Excellent interpersonal, verbal and written communication skills.

For all successful candidates, Martin-Baker will undertake background security checks. As part of this, we will need to confirm your identity, employment history and address history to cover the past five years as well as your nationality, immigration status and criminal record. For positions that require Security Clearance, the successful candidate must hold or be willing to obtain security clearance up to the relevant level for the role.

TO APPLY:

recruitment@martin-baker.co.uk Quoting the REFERENCE NUMBER ABOVE and Salary Expectations