

INDUSTRY CLASSIFICATION (V) - Automobile Industry

AGE AT INTERVIEW 27

ELECTION OR TRANSFER TO: Member

FIRST DEGREE 2:1 Hons. from Sheffield Univ. in Mechanical Engineering, 1996.

SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS - None

EXPERIENCE PRIOR TO PRESENT POSITION

Bridon International, 1995-1996 - Junior Systems Analyst (IT).
W. S. Atkins & Partners, 1996 - Assistant Project Engineer (Windscale decommissioning project).
Mitsui Babcock Energy Ltd., 1996-1999 - Project Engineer - boiler design.

PRESENT POSITION

Lotus Engineering, 1999-present. CAE Engineer (Powertrain), working in multi-discipline teams. Duties include:

- Structural integrity assessment (including all aspects of FEA).
- Base engine simulation.

STAFF REPORTING -

<u>PROFESSIONAL</u>	0
<u>TECHNICAL</u>	0
<u>MANUAL</u>	0
<u>OTHER</u>	0

INTERVIEWERS' COMMENTS

A Demonstrate knowledge and understanding of engineering principles

Key elements of competence	Examples of meeting A
maintains a sound theoretical approach to technology applies a creative approach to problem solving introduction/exploitation of emerging technologies promotes innovation and advances in technology	Very sound approach, as a finite-element specialist. Determined to stay at the cutting edge. Proposed design changes that eliminated vibration sensitivity. Undertook the engineering for a torque enhancement project.

B Demonstrate practical application of engineering knowledge and expertise

Key elements of competence	Examples of meeting B
takes initiative to identify potential projects and opportunities participates in or specifies research, design and development plans and implements solutions evaluates solutions identifies what has been learnt from the activity	Identifies problems and then gets authority from senior management to seek solutions. Evaluates alternative solutions by FE analysis as a member of an iterative design team. Very involved in computer-based analyses. Presentations to senior management and clients.

C Leadership and management

Key elements of competence	Examples of meeting C
<p>experience of effective project planning and implementation</p> <p>manages and plans budgets, tasks, people and/or other resources</p> <p>ensures team members have appropriate skills</p> <p>contribution to continuous improvement via quality management</p>	<p>Attends project group meetings and provides input outside his own specialist field.</p> <p>Limited management experience - typically leads a team of 3.</p> <p>Is presented with available specialists rather than choosing them himself. Very keen to become a <u>technical</u> rather than a <u>general</u> manager.</p>

D Communication and inter-personal skills

Key elements of competence	Examples of meeting D
<p>demonstrates oral communication skills</p> <p>displays written communication skills</p> <p>has the ability to present and discuss ideas and plans</p> <p>ability in team building and negotiating activities</p>	<p>Confident and clear.</p> <p>Excellent PRR.</p> <p>Proposes new projects to departmental head; negotiates project objectives with clients.</p> <p>Team building not applicable in present rôle but intends to extend supervisory rôle in FE technology.</p>

E Professional conduct

Key elements of competence	Examples of meeting E
<p>compliance with codes and rules of conduct of the profession</p> <p>application and management of safe systems of work</p> <p>familiar with relevant legislation especially health, safety, risk and the environment</p> <p>displays a commitment to undertake continuing professional development, including a personal Development Action Plan</p> <p>demonstrates involvement with the IMechE, other professional engineering Institutions, schools, colleges or local other community activities</p>	<p>Experience of nuclear plant decommissioning in previous employment.</p> <p>Designs have to meet current and future automotive legislation.</p> <p>Career Action Plan very detailed and well thought out.</p> <p>No time at present mainly due to work commitments. Previous involvement when in Glasgow.</p>

COMPETENCES AWARDED

A	B	C	D	E
3	3	2	3	2
3	3	2	3	2

PANEL RECOMMENDATION

Transfer to Member

MEMBERSHIP COMMITTEE DECISION

Transfer to Member