

INDUSTRY CLASSIFICATION

(F) - Power Generation - Non-Nuclear

AGE AT INTERVIEW

29

ELECTION OR TRANSFER TO:

Member

FIRST DEGREE

2:1 Hons. from Nottingham Trent Univ. in Integrated Engineering, 1997.

SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS - None**EXPERIENCE PRIOR TO PRESENT POSITION**

Ruston/EGT Ltd., 1989-1991 - Technical Apprenticeship; 1991-1995 - Assistant Project Engineer; 1995-1997 - Project Engineer; 1997-1999 - Senior Project Engineer.

PRESENT POSITION

Ruston/EGT Ltd. (now Alstom Power), 1999-present - Principal Project Engineer. Duties include:

- Single owner and single point of contact for multi-million £ gas turbine projects. Led an investigation into air flow maldistribution in a GT engine cell and proposed a solution which was implemented, enabling the design to qualify for CE marking.
- Project leader of multi-disciplined engineering team; typically leads a team of 5 but draws on technical experts as required.
- Reviewing activities of internal departments and sub-vendors; well versed in safety and environmental implications of designs - involves specialists as required.
- Project supervision, cost analyses, monitoring cash flow, authorising overspends. Is involved with a university postgraduate research student investigating career development models from a psychological viewpoint.

STAFF REPORTING - PROFESSIONAL

0

TECHNICAL

2-5 (see above)

MANUAL

0

OTHER

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	Maintains an in-depth approach over a fairly wide field. Negotiates on engineering issues and leads technical meetings.
applies a creative approach to problem solving	Led an investigation into air flow maldistribution in a GT engine cell and proposed a solution which was implemented.
introduction/exploitation of emerging technologies	Had the task of managing the first four projects involving the Tempest engine.
promotes innovation and advances in technology	

B Demonstrate practical application of engineering knowledge and expertise

Key elements of competence	Examples of meeting B
<p>takes initiative to identify potential projects and opportunities</p> <p>participates in or specifies research, design and development</p> <p>plans and implements solutions</p> <p>evaluates solutions</p> <p>identifies what has been learnt from the activity</p>	<p>Slight gap in his own responsibility as work is handed down to him to engineer.</p> <p>Very strong planning rôle in projects - wide understanding of systems engineering.</p> <p>Applied lessons learnt from contractual problems.</p>

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>Has handled projects up to a value £30M in his capacity as Principal Project Engineer/Project Manager.</p> <p>Does not develop skills of people under him but drafts experts in as necessary.</p> <p>Ensures quality standards are met.</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>Represents company at customer meetings both in the UK and abroad.</p> <p>Well presented PRR; thinks on his feet, good clear exposition.</p> <p>Brings teams together and motivates them for each project as necessary.</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>Demonstrated in air flow analysis problem.</p> <p>Aware of need to satisfy UK and foreign legislation, etc.</p> <p>Development Action Plan presented.</p> <p>Minimal involvement but understandable due to amount of time spent away from home.</p>

COMPETENCES AWARDED

A	B	C	D	E
3	3	3	4	2
3	3	3	4	3

PANEL RECOMMENDATION

Transfer to Member

MEMBERSHIP COMMITTEE DECISION

Transfer to Member