

INDUSTRY CLASSIFICATION (E) - Aerospace

AGE AT INTERVIEW 28

ELECTION OR TRANSFER TO: Member

FIRST DEGREE 2:2 Hons. from Durham University in Engineering, 1994

SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS - None

EXPERIENCE PRIOR TO PRESENT POSITION

Rolls Royce plc, 1990-1993 - Undergraduate Trainee; 1994-1995 - Graduate Trainee; 1995-1997 - Functional Engineer; 1997-1998 - Flight Test Engineer

PRESENT POSITION

Rolls Royce plc, 1998-present - Chief Project Engineer (WR-21 engine system). Duties include:

- Integrating test requirements from partner companies and Rolls Royce into an executable test schedule
- Buying off the test schedule with the appropriate facility management and supporting them in its execution
- Interfacing with the facilities on all RR facility-related issues
- Controlling the RR instrumentation for each engine build
- Providing support during engine installation and test
- Working with the Systems group to aid in the definition and integration of testing
- Co-ordinating the test reporting activities on behalf of RR
- Developing and maintaining a suitable organisational structure
- Controlling costs and schedules for the above activities

<u>STAFF REPORTING -</u>	<u>PROFESSIONAL</u>	As required
	<u>TECHNICAL</u>	As required
	<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	Responsibility for interfacing a large gas turbine unit with a Naval test bed. Multi-channel control equipment. Bypass of exhaust gas heat exchanger to prevent engine surges.

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	Suggested an alternative to fuel spiking to evaluate effect of compressor surging. Above was successful and saved large sum of money and valuable testing time.

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>Philadelphia project; was responsible for test programme, budgets, staff and other resources.</p> <p>Successful outcome of Naval test contract.</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>Good oral skills at interview; multinational project planning discussions.</p> <p>Project cost negotiations with USN, RN and French Navy.</p> <p>Has developed the planning skills of his teams.</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>Papers to ASME conferences. Enrolled on an MBA course.</p> <p>Participates in company scheme for professional development of younger engineers.</p> <p>Under-15s Rugby coaching.</p>

COMPETENCES AWARDED

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

PANEL RECOMMENDATION

Transfer to Member

MEMBERSHIP COMMITTEE DECISION

Transfer to Member