INDUSTRY CLASSIFICATION (V) - Automobile Industry

AGE AT INTERVIEW 34

ELECTION OR TRANSFER TO: Member

FIRST DEGREE 2:1 Hons. from Loughborough Univ. in Mech. Engineering, 1988

SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS - None

EXPERIENCE PRIOR TO PRESENT POSITION
Jaguar Cars Ltd, 1988-1991 - Development/Senior Development Engineer; 1991-1995 - Project Engineer. Cosworth Engineering, 1995-1997 - Principal Calibration Engineer; 1997-1999 - Senior Principal Engineer; 1999 - Advanced Engineering Manager.

PRESENT POSITION
Cosworth Technology Ltd., 1999-present - Project Manager. Duties include:

- Responsibility for 8 projects in the powertrain consultancy part of the company, involving the design, development and installation of engines into production passenger cars.
- Responsibility for other projects involving calibration of engine management systems.
- Participation in the day-to-day running of engineering operations, including financial performance, technical and business strategy, cross-functional issues such as personnel, company communications, IT, site facilities and technical interviews.

STAFF REPORTING -		
	PROFESSIONAL	0
	TECHNICAL	14 (on a project-by-project basis)
	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 applies a creative approach to problem solving introduction/exploitation of emerging technologies promotes innovation and advances in technology	Selective frequency analysis of accelerometer signals to distinguish detonation from rapid normal combustion. Investigating alternative fuels - LPG, CNG, ethanol/methanol, dimethyl ether, biodiesel, etc. Mentors PhD students.

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	Recognised company expert on alternative fuels. Represented company at SAE conference; preparing technical paper for 2001 SAE Congress. His work is fundamental to calibration rôle within company. Has saved company £100K's in a few months.

C Leadership and management

Key elements of competence	Examples of meeting C
experience of effective project planning and implementation	Controls £2.3M budget (on all his projects taken together).
manages and plans budgets, tasks, people and/or other resources	
ensures team members have appropriate skills	Involved in team selection, appraisals, etc.
contribution to continuous improvement via quality management	

D Communication and inter-personal skills

Key elements of competence	Examples of meeting D
demonstrates oral communication skills	Very good interview performance.
displays written communication skills	Good PRR with little unexplained jargon.
has the ability to present and discuss ideas and plans	Natural ability to present and explain - negotiates with cost owners.
ability in team building and negotiating activities	Responsible for a number of teams and clearly copes well, despite little or no formal training.

E Professional conduct

Key elements of competence	Examples of meeting E
compliance with codes and rules of conduct of the profession	Observes all of these. Has been on COSHH and IOSH Safety Courses, familiar with ISO 14001.
application and management of safe systems of work	Carried out risk assessments on engine + dynamometer sets.
familiar with relevant legislation especially health, safety, risk and the environment	
displays a commitment to undertake continuing professional development, including a personal Development Action Plan	Multitude of courses attended and several papers published. Has personal development plan.
demonstrates involvement with the IMechE, other professional engineering Institutions, schools, colleges or local other community activities	When time permits, wants to mentor younger engineers and also contribute to Neighbourhood Engineers or similar programme.

COMPETENCES AWARDED

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

PANEL RECOMMENDATION
Transfer to Member

MEMBERSHIP COMMITTEE DECISION
Transfer to Member