

INDUSTRY CLASSIFICATION (H) – Nuclear Engineering

AGE AT INTERVIEW 48

ELECTION OR TRANSFER TO: Member

FIRST DEGREE

Stockport College of F & HE, Mechanical Engineering, BSc, Pass (Ord), 06.80

SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS –

Bolton Institute, CEI paper 300, Engineer in Society, Pass, 06.81

EXPERIENCE PRIOR TO PRESENT POSITION

UK AEA, Apprentice, 71 – 74

BNFL Risley, Draughtsman, 74 – 76

BNFL Risley, Leading Draughtsman, 76 – 78

BNFL Risley & Capenhurst, Senior Designer, 78 – 83

BNFL Capenhurst, Senior Designer, 83 – 88

BNFL Capenhurst, Project Engineer, 88 - 96

PRESENT POSITION

BNFL Capenhurst, Design Manager & Project Engineer, 1991

<u>STAFF REPORTING -</u>	<u>PROFESSIONAL</u>	2
	<u>TECHNICAL</u>	5
	<u>OTHER</u>	1

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	Filament winding machine, development of algorithms. Broad based knowledge of materials and manufacturing. Work with decommissioning of nuclear plant Gas centrifuge extract wins system.

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	Identification and creation of business park on site – West Cheshire College. Worked in Development Teams Developed model concept equipment from the basic mathematics to final patent and licensing. Centrifuge cascades Filament winding machine Yes – Project review meetings after all projects.

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>Roll of design manager</p> <p>Set up Projects and Design Dept in 1991</p> <p>Ensured Quality Assurance</p> <p>De-commissioning project</p> <p>Yes – Project engineering flow chart produced</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>Clearly written report</p> <p>Contributions on numerous panels</p> <p>Training Responsibilities</p> <p>Appointment of agency teams and checking out all staff.</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>Work to design codes</p> <p>Mobilisation of safe site working</p> <p>Compliance with standards</p> <p>Development Plan – Strong emphasis in BNFL</p> <p>Mentors graduates and apprentices</p>

COMPETENCE LEVEL AWARDED

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

PANEL RECOMMENDATION

Transfer to Member

MEMBERSHIP COMMITTEE DECISION

Transfer to Member