

**INDUSTRY CLASSIFICATION**

(Y2) – Building Services

**AGE AT INTERVIEW**

31

**ELECTION OR TRANSFER TO:**

Member

**FIRST DEGREE**

Hong Kong Polytechnic University, Mechanical Engineering, BEng (Hons), 2:2 (Hons), 07.95

**SUBSEQUENT DEGREES AND OTHER QUALIFICATIONS**

None

**EXPERIENCE PRIOR TO PRESENT POSITION**

Tridant Engineering Company Limited, Engineer, 07.95 – 08.96

Dah Chong Hong (Engineering) Ltd, Engineer, 08.96 – 08.00

Advantage Ltd, Assistant Project Manager, 08.00 – 01.02

**PRESENT POSITION**

Twin Way Consulting Engineers Limited, Engineer, 02.02 - date

<b><u>STAFF REPORTING -</u></b>	<b><u>PROFESSIONAL</u></b>	3
	<b><u>TECHNICAL</u></b>	4
	<b><u>OTHER</u></b>	2

**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	Attended short courses related to T & C / Electrical Ordinance / Design & Installation / Language.  Familiar with the under floor air-conditioning system and introduce the concept to China projects.  Introduces the controls system for the advanced air-conditioning system to the China Projects.  Responsible for the design of ACMV, fire services and building automation system.  Use variable speed drives centrifugal chillers to promote energy efficiency matter.

**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	Promotes the new concept of the A/C system in China and explore further opportunities to adopt it.  Compared constant Vs variable speed chiller for the Shanghai Walton Plaza project.  Understands the client objective and implement solutions for optimisation of capital cost / O & M Costs.  Evaluated options for energy, i.e. chillers comparison.  Learnt different systems options and select the most appropriate solution.

**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>Mega Data Centre project as the Project Manager.</p> <p>Managed the Mega project from inception to completion and achieve the project objectives.</p> <p>Understands the project brief and the requirements of the end – products.</p> <p>Conducted brain storming for new ideas and improvement measures via quality management.</p> <p>Prepare master, stage and bi-weekly programme.</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>Conducted Q &amp; A sessions with project teams.</p> <p>Communicates with project team members through E-Mails/Letters etc.</p> <p>Regular presentation to the project team leaders reporting the project progress.</p> <p>Closely working with the senior and support the negotiating activities related to projects/contracts.</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>Read IMechE code/rules.</p> <p>Prepared safety procedure for proper use of data centre systems.</p> <p>Acoustic controls for AHU rooms Vs low frequency noise study.</p> <p>Development Plan needed to be more specific in terms of time/scope.</p> <p>Attended seminar/forum such as York variable chiller, IFireE – fire safety seminar and other technical site visits.</p>

**COMPETENCE LEVEL AWARDED**

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

**PANEL RECOMMENDATION**

Transfer to Member

**MEMBERSHIP COMMITTEE DECISION**

Transfer to Member