

My name is Rafay Hasan and I work as a senior engineer in the Building Services Asset Consultancy Department in Grontmij. I completed my MSc. in Building Services Engineering with Sustainable Energy from Brunel University in 2009 with 7 A's and have been working in the industry since then.



My current role involves preparing feasibility reports, energy saving initiative reports, design of mechanical services, preparing technical specifications and tender documentation, conducting due diligence surveys and condition surveys. I hold a keen interest in sustainability and this is given paramount importance in my designs.

I am graduate member of CIBSE and full member of ASHRAE. I am also society member of CIBSE-ASHRAE, CIBSE Young Engineer's Network (YEN) and ASHRAE Young Engineer's Association (YEA) and I sit on CIBSE's Diversity Panel promoting engineering amongst youngsters from all backgrounds.

THE ROUTE TO BECOMING A BUILDING SERVICES ENGINEER

As a kid, I always used to wonder how buildings are engineered. This curiosity transformed into passion as I grew up seeing my father designing iconic buildings globally and travelling around the world due to nature of his work as a building services/HVAC consultant. This led me to pursue a career in engineering and eventually building services.

I always wanted to get into engineering. I selected mechanical engineering as my bachelor degree, as it gave me a solid foundation of engineering principles in addition to keeping options open for me in various fields. After completing my bachelors, I was certain that

I had to choose building services as my career as air-conditioning, thermodynamics and fluid mechanics were the subjects that I liked most. I had a look at various post-grad courses available, and selected one that is recognised by CIBSE so that it would help me en-route to charterhip and getting professional recognition (I did my MSc. from Brunel University in Building Services Engineering with Sustainable Energy).

BENEFITS OF CIBSE GRADUATE MEMBERSHIP AND PROFESSIONAL REGISTRATION

I firmly believe graduate membership is a great start for any new comer in the industry once they complete their graduation. It does not only provide you with right path for your career and adequate technical knowledge, but also with opportunities to socialise and network with other building services professionals.

At present, I am registered as interim-CEng and working towards charterhip. I am looking to get Chartered status as it gives professional recognition and the title (CEng) demonstrates that one holds strong engineering, management and leadership qualities. It is also recognised globally.

Getting affiliated and becoming a member of professional institutes (like CIBSE) helps one in getting recognised and also keeps you abreast with latest technologies in the industry. It connects you to a wider community of professionals with similar backgrounds and helps in developing your career. It also gives you a chance to socialise with other professionals alongside increasing your technical knowledge via CPDs and seminars.



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GREATEST PROFESSIONAL ACCOMPLISHMENT

I have to say my greatest professional accomplishment to date was successful completion of the restoration of Conolly Dell Park in Hanwell. This included restoration of large ponds in the park, which have been dry for many

attended by Ealing MP and several members of London Borough of Ealing and residents also enjoyed music, face-painting and mask-making. It gave me great pleasure and satisfaction to see the kind of impact we can make as Building Services Professionals in the life of the general public.

in promoting engineering and completion of successful building services projects. The award ceremony was held at Royal Academy of Engineering, London.

I have a keen interest in research and have 3 published papers to my name so far. The most recent paper was published in the ICE journal in November 2012.

I was invited by Brunel University as a guest lecturer to give a talk on Building Services Engineering to MSc. students.

I also appeared in an article published in the CIBSE Journal (Jan 2013) on how to grow your career amongst other inspirational figures from industry. ■



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years because of waterproofing problems, and the waterfall which fed them. The opening day was

I was also shortlisted as finalist of Young BME Engineer 2012 in recognition of my achievements