

My name is Kayley Lockhead and I work as a Mechanical Designer for NG Bailey. I became an Associate member of CIBSE this year. From 2007 to 2011, I worked on sites with project teams, managing and delivering projects and then in January 2012, I joined the design department as a trainee, having recently been promoted to a mechanical designer.



My core skills are delivery of detailed design solutions with understanding and interpretation of the client's specific needs, using design software and implementing LZC technologies.

I completed the BTEC NC in Building Services Engineering (BSE) with double distinction, the HND with 16 distinctions and one merit and a NVQ level 3, completing the required six units, plus an extra unit in commissioning management. I continued my education with a BSc(hons) degree in BSE which I completed this year with first class honours.

I have been involved with a charitable project, supported by both my company and an external charitable body, to design a well and rainwater harvesting installation in order to provide clean water to a community project in Mozambique,

Africa. As a direct result the community now has two wells, a rainwater harvesting tank building programme and we are looking to travel to Mozambique next year to assist with the rainwater harvesting installation.

I am interested in all aspects of development and a keen supporter of other young engineers. My ambitions include developing sustainable engineering solutions which benefit communities, reduce our carbon footprint and improve quality of life, especially in respect of least developed countries.

CHOOSING BUILDING SERVICES AS A CAREER

Having always had an inquisitive mind into how everything works and an interest in the built environment, a career in engineering was the clear choice.

Rather than go to university, I chose to go down the route of an apprenticeship, mainly due to the combination of both education and practical working experience, earning whilst you learn was also a huge benefit. Since completing the apprenticeship, I have become a big promoter of this type of career development as I believe it was the best choice I could have made, the personal and professional support has been fantastic and has continued since I completed the apprenticeship with NG Bailey. They have continued supporting me whilst I undertook a degree in Building Services Engineering.

THE MOST ENJOYABLE ASPECT OF MY JOB...

Is overseeing the mechanical design of small projects where I can take the role of lead mechanical design engineer. These types of projects are exciting and challenging, rewarding you with a wealth of knowledge that you didn't have before which you can implement on the next project. A career in engineering has allowed me to achieve a great deal, from completing a BSc (Hons) in Building Services Engineering with first class honours, to managing my own projects, to being involved with a clean water project in Mozambique. However, I would say that my greatest professional accomplishment has been receiving the Ken Dale Travel bursary, 2013. The bursary will allow me to travel to East Africa to research how renewable energy is improving peoples lives and helping with economic development in addition to combating against climate change and ensuring a sustainable environment.



CIBSE WERE CLEAR ABOUT WHAT THEY WANTED TO SEE TO ASSURE COMPETENCE AND PROVIDED EXAMPLES OF EVIDENCE WHICH YOU MAY WISH TO PROVIDE.



APPLYING FOR ACIBSE

I decided to become an Associate member of CIBSE because the recognition of a professional institute such as CIBSE and the Engineering Council is essential to career development. It shows that you are not only competent in your engineering discipline but that you are dedicated to

your career and take your work seriously. Becoming a member of a professional institute is also reassuring for clients and project members to know that the engineer working on their projects is competent and capable.

The application process is not necessarily quick or easy, in fact, I found that it required a fair amount of time investing in both the initial application and the interview preparation. However,

and put me at ease, allowing me to provide my evidence confidently.

One piece of advice I would offer regarding the interview would be to present your presentation around and in the order of the competency criteria, this helps the assessors easily tick their list of competencies which are required to ensure compliance with CIBSE criteria and helps prevent you running out of time trying to get all your evidence across.

career benefits, CIBSE has a wealth of engineering knowledge and networking opportunities. Networking is important for both your own development and contributing towards the collective knowledge of the engineering society. The CIBSE Journal which is available to all CIBSE's members allows you to keep up to date with engineering developments, innovative solutions and interesting engineering projects. A career in engineering rarely presents you with the same challenges and with so much to know, being a member allows you to tap into a wealth of industry information which helps you implement successful solutions on your projects.

A career in building services will repeatedly present you with new challenges and rewarding projects. Reducing our energy consumption is a global issue and presenting solutions which will contribute to combating against climate change and preserving the environment is something to be proud of. ■

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the clarity of the process helped a great deal. CIBSE were clear about what they wanted to see to assure competence and provided examples of evidence which you may wish to provide. The interview, which lasted one hour, was friendly

HOW CIBSE MEMBERSHIP BENEFITS ME

There are many benefits to becoming a member of CIBSE, besides being recognised and registered with a professional institute which comes with its own