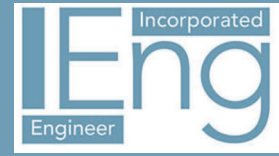




Case Study: IEng

Ewan Brown



Hi, my name is Ewan Brown IEng ASEP and I work as a Model-Based Systems Engineering Consultant for Capgemini Engineering. I hold a MEng degree in Aerospace Engineering, specialising in Systems, and I have a burning passion for ALL aspects of engineering from managing complexity to utilising standardised processes. I have experience across dynamic industries, including nuclear submarines, UAVs, and hyper-cars. I value a systematic approach to work and I am poised to make a significant impact wherever I go by implementing systems thinking.

My engineering journey is been marked by achievements that highlight my dedication to the field. From publishing a paper with SAE, achieving the ASEP certificate, and attaining the IEng status, I've underscored my dedication to expanding my expertise in Systems Engineering. As a Capgemini Certified Architect, I have also designed innovative solutions meeting industry standards. Accolades such as being named a finalist at the EPC: Hammerman's Student Prize and receiving the RS Global Student Project Runner-up Prize highlight my academic excellence and innovative mindset. Presenting to CTOs and local Mayors has honed my communication skills, while my involvement in the UK INCOSE MBSE Interest Group showcases my dedication to model-based systems engineering.

In five years, I envision myself as a Chartered Engineer, actively engaged with communities like INCOSE, and dedicating time to mentoring and coaching junior professionals. My focus will be

on expanding my network and reputation as a dependable systems engineer, contributing to both the advancement of the field and the growth of upcoming talent.

Congratulations on gaining your Professional Registration with INCOSE UK. What inspired you to apply?

The inspiration behind my pursuit of professional registration has always been rooted in the journey itself rather than the certificate at the end. The process of engaging with new challenges, learning from real-world problems, and collaborating with peers offers invaluable experiences that foster my personal and professional growth. Each interaction is an opportunity to expand my knowledge, hone my skills, and develop resilience and adaptability. This journey provides the practical insights and confidence that are essential for tackling complex problems and excelling in engineering. The certificate is merely a symbol of completion; the true inspiration and value lie in the transformative journey and the lasting impact it has on my career and development.

How did you find the application process through INCOSE UK?

Since starting university, I have always been aware of the importance of professional registration. The application process is easily accessible with a simple Google search. However, I recommend familiarising yourself with the requirements early

on so you can gradually build a strong application over time.

Was it challenging to document all the workplace evidence required for the IEng application and did it take a long time?

The main challenge lies in creating a comprehensive document with impactful evidence. While it's easy to accumulate experience over time, it's common to overload the competencies section without providing the depth and clarity needed to demonstrate a true understanding. I recommend selecting your strongest evidence and crafting a detailed narrative that highlights the significance and depth of your work. This process does take time but always remember that every iteration is improving your understanding of your competency.

How easy was it to track down references in support of your IEng application?

The strength of your network is crucial. Build solid relationships and friendships within your domain, as you never know when you'll be able to assist a colleague or when a colleague might support you.

How long did the application process take?

The process took me about six months, but it can be completed more quickly or over a longer period, depending on how much evidence you have already compiled and how long it takes for your references to validate this evidence.

How did you find the professional review interview?

Exceptionally enjoyable! Remember, we are all engineers striving to advance the field of engineering. Don't hesitate to be bold—bold engineers can make a difference. You want to make sure you enjoy the process, it's a chance to celebrate your achievements with people who understand the challenges of engineering.

In what ways has registration benefited your career?

Networking, growth, and reflection are essential. If you're struggling in any of these areas, pursuing career registration can open the door to new opportunities for change and improvement. Inherently, this then enables you to have more confidence as you are now part of a community of engineers that endorse your competency.

Do you have future plans to support others in the professional registration process?

Definitely! I advise people on ASEP and now I can do the same with IEng!

Finally, what advice would you give to future INCOSE UK CEng applicants?

Don't give up—it's worth it in the end! After multiple reviews, it might feel like you're not making progress, but persistence is key. Self-reflection can be challenging, and growth isn't always evident while you're in the midst of it. However, once you complete the process, you'll realise how much you've grown. You'll also become more adept at summarising your experience and understanding why YOU ARE a GREAT ENGINEER.

Find out more about IEng and Professional Registration on the [INCOSE UK Website](https://www.incoseuk.org).