

Keith Winning BEng (Hons) MEng IEng MIED FRGS

CASE STUDY

I currently work for CB&I UK Limited, who design, engineer and construct some of the world's largest energy infrastructure projects, providing a full spectrum of EPC solutions and proven process technologies.

I started working for my current employer in 1983 as a trainee draughtsman, progressing through the design office to Section Head Design in 2003. In 2006, I decided to undertake part time study at Bucks New University to further my career, graduating in 2009 with a BEng(Hons) and in 2011 a MEng in Mechanical Engineering Design.

I have worked on numerous pipeline projects in the UK, Europe, Thailand and the Former Soviet Union. In addition, I have taught and examined City and Guilds in Baku, Azerbaijan for local staff. The BTC Pipeline Project required the design and construction of a 1,700 km 42" diameter pipeline to carry 1 million barrels of oil per day, equivalent to over 1% of global consumption. For this project I was responsible for the management and production of over 2000 detailed pipeline drawings defining the route and special crossings for this and a parallel gas pipeline.

I became an Incorporated Engineer (IEng) and a Member of the Institution of Engineering Designers (IED) in 2009, which was a major milestone in my career, providing tangible recognition of my knowledge and skills. I believe that being an IEng clearly demonstrates my competence and commitment in helping my company deliver world-class solutions.

Registration has had a significant impact on my career in numerous ways. Although the most tangible is promotion to Principal Pipeline Engineer; however, from a personal perspective one of the most rewarding has been the opportunities that are now available to me to help others in achieving their potential.

CPD is an important and exiting part of being a professional engineer, which is why I am currently studying for an MSc in Geographical Information Science, whilst working towards the goal of becoming a Chartered Engineer.

CB&I fully supported me throughout my studies, as they place great importance on Engineering Council registration. The process of gaining registration through the IED was straightforward and I received guidance and support along the way from their membership department.



I actively encourage engineers and technicians who have the qualifications and experience, to become registered. Registration brings benefits, not only to the individual and employer but also to the wider engineering community. By becoming a registered engineer, you are helping to build on a long and proud engineering heritage that has been forged by some of the country's most eminent engineers, such as Sir Henry Royce, who said:

"Strive for perfection in everything you do. Take the best that exists and make it better. When it does not exist, design it."

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Principal Pipeline Engineer

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