

Merlin Goldman MSc(Eng) PhD MBA CEng MIChemE**CASE STUDY**

My name is Merlin Goldman and I'm currently Lead Technologist – Bioscience, Medicines and Healthcare for the Technology Strategy Board, based in Swindon. I'm a member of the Institute of Chemical Engineers (IChemE), through which I registered as a Chartered Engineer in 2007.

I am part of the Technology team which covers Biosciences, ICT, Advanced Materials, High Value Manufacturing, EPES (Electronics, Photonics and Electrical Systems) and Nanotechnology. Within this, I am responsible for Biosciences which we've split into three priority technology areas: genomics, industrial biotechnology and agrifood. My role is to make interventions that can best utilise the UK's capability in these technologies to create economic wealth for the nation.

After completing a PhD at University College London in Biochemical Engineering, studying the impact of process conditions on product quality, I moved to Scotland to work as a Research Scientist for PPL Therapeutics. At that time the company was frequently in the news as it was responsible for creating Dolly the Sheep. One of my projects involved analysing the expressed recombinant protein in the milk from the world's first transgenic clones, Molly and Polly.

After two years, I moved to Serologicals as a Production Engineer producing monoclonal antibodies through large scale fermentation. During this period, I started a part-time MBA at Edinburgh University which I then completed full time. Upon completion, I became a Validation Scientist at Wyeth's biotechnology plant in Dublin. When I joined Wyeth the Dublin site was still not operational and it was exciting to be involved in what would become the world's largest fully integrated biotechnology plant.

It was while I worked at Wyeth that I completed the application process for CEng. Wyeth was very supportive of my application, helping me to complete a side project needed to complement my academic qualifications and existing work experience. I also found it useful to maintain links with registered engineers I met while going through the application process, as they were able to offer advice and assist with the development of my application.



My driver for becoming registered as a CEng was to receive visible acknowledgment of my varied experience. I also believe that it helps in engaging with other professionals. As well as giving me confidence in my own achievements as an engineer, registration gave my current employers, the Technology Strategy Board, evidence that my experience had been validated.

Merlin Goldman MSc(Eng) PhD MBA CEng MIChemE
Registered 2007

'My driver for becoming registered as a CEng was to receive visible acknowledgment of my varied experience'