Environmental Care Technologies – My Career Pathway so Far

PRESENTED BY NICOLA PALMER
KTP ASSOCIATE
A Quick Introduction
Motivations to Study Chemistry

At 13 I decided I wanted to end up in cancer research.

Subject choices in high school all lead me down the path of applying to study Chemistry at Uni.
How I Assumed all Chemistry Labs to be

• Completely sterile conditions
• Organised
• Filled with expensive equipment
• Access to all analytical techniques imaginable
• Access to every solvent/chemical/piece of glassware possible
University was not so Simple

- Finish school with required pre-requisites
- Unconditional acceptance to university

High School

- 5 years of hard work and studying
- Graduate knowing exactly where you want to work

University

- Perfect job offer
- Everything you could have hoped for and more

World of Work
Scotmas Summer Placement

• Luckily I got a 12 week summer placement with Scotmas Ltd advertised through HWU

• Began working in an open plan office alongside chemical engineer, electricians, plumbers, engineer coordinator, engineers

• Previous idea of a chemists environment was completely wrong!
Scotmas Summer Placement

- Quickly became part of the team
- Worked alongside chem eng, electrians etc on a daily basis in project work
- Everyday was different, different questions to answer, different problems to solve
- Enjoyed being part of a multi-disciplinary team, I learned something new everyday
Knowledge Transfer Partnership Opportunity

- 3-way partnership
- Academic Institute employs recent graduate
- Graduate works at business on a specific project
- Small business has access to academic knowledge and experience previously not available
KTP Associate

**HERIOT-WATT UNIVERSITY**
- Employed by HWU
- 2 Academic supervisors
- Use of chemistry laboratory
- Use of analytical equipment (NMR, UV/Vis, IR)
- Access to library/journals/staff training courses
- Journals and scientific research produced

**SCOTMAS LTD**
- Graduate Chemist
- HWU input into a specific project
- Commercial outcomes due to the nature of the projects
- New specialised staff member to help with queries
The Associate

• 12-36 month contract with Uni
• Working on a specific project which will lead to a major commercial outcome
• Funding for Personal Development
• Experience in industry
• Published Journals
• Greater Qualification
• Majority of associates are employed by the company upon KTP ending
Daily Duties, Roles and Responsibilities
Thanks for Listening !!!