Development of Environmental Technologies

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Biography

• **BSc. (2001)** University of Bradford, U.K.,
  – Chemistry with Pharmaceutical & Forensic Science

• **Industrial Placement:**
  – Freudenberg Nonwovens

• **MPhil (2002)** University of Bradford, U.K.

• **PhD. (2006)** University of Bradford, U.K.

• **Postdoctoral Researcher** – DCU since July 2006
Waste Management

Greenhouse Gas Environmental Monitoring System (G²EMS) developed to monitor the migration of landfill gas to the perimeter borehole wells on a real-time basis and communicate the data back to a stakeholder.
To flare or fuel

Borehole well

Data are logged and averaged. This average is sent via GSM to a stakeholder.

Stakeholder can then make the decision if more readings are to be taken and communicate with unit.

Extraction

VOCs

CH₄

CO₂

Landfill gas generation
Why work in Engineering/Science?
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Thank you for your kind attention