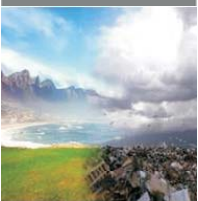


Innovation for Growth

Stopford Energy & Environment Ltd
Lois Ricketts – Research Consultant



Where we began....

In 2008

- Stopford Projects Ltd
- One office at Lancaster Environment Centre
- Environmental and R&D focus

Petro- and bulk chemical

Fine chemical and pharmaceutical

Fuel storage and distribution

Biotechnology

Renewable Energy

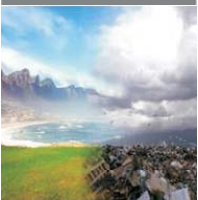
Nuclear

Environment



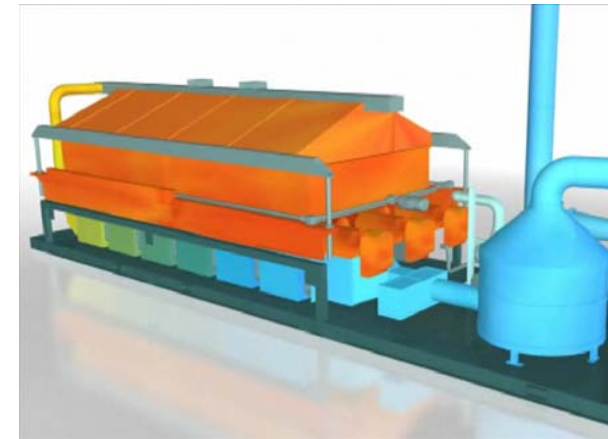
What we've been doing at Lancaster...

- Private sector consultancy
- Larger collaborative projects (with uni's etc)
- Delivery of projects for Envirolink NW
- Case studies;
 - Thermal desorption
 - Microwave Plasma
 - Biomass fuels



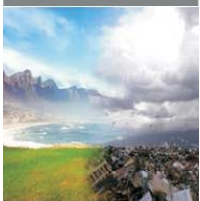
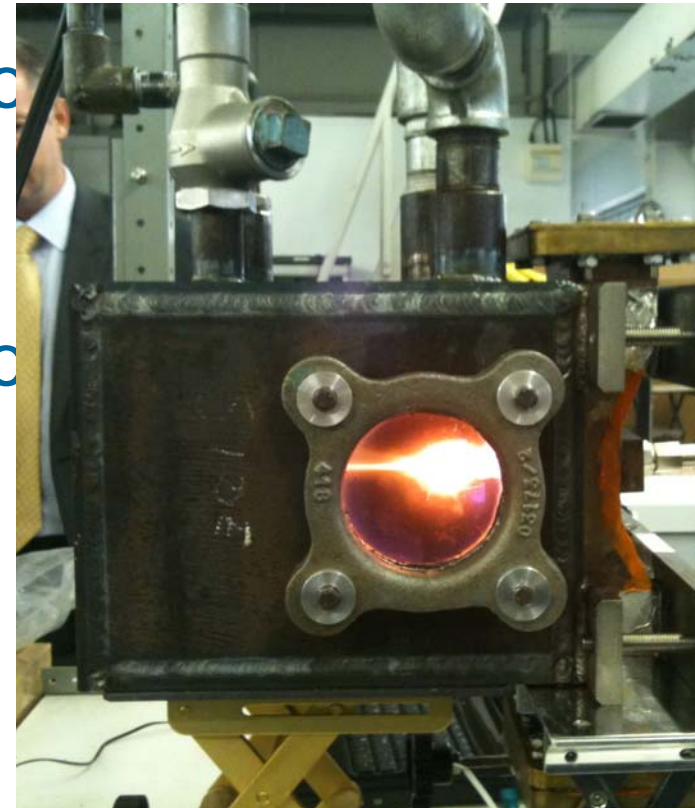
Case Study - Solerox

- Thermal desorption for hydrocarbon contaminated solids
- Have been working with Solerox for 2 years
- Engineers used for feasibility studies
 - First plant now commissioned in UK
- R&D; Assessment of market potential for use in contaminated land remediation



Case Study - Microwave Plasma

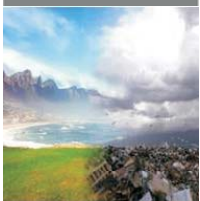
- Collaboration with Liverpool John Moores University
- Grant awarded by TSB
- R&D; microwave plasma for efficient production of synthetic gas from municipal waste



Case Study - Biomass fuel characterisation



- Short consultancy project from Envirolink NW on behalf of *Recycled Briquettes Ltd*
- R&D; Analysis of domestic “biomass briquettes”



More recently....

April 2010

600% increase in size

Expanding into different sectors

Launch of Stopford Energy & Environment Ltd

- Tailor our marketing/ branding
- Own identity

Case studies...

Green Technology Development

Waste Consultancy

Energy Consultancy

Low Carbon Solutions

Energy from Biomass and Waste

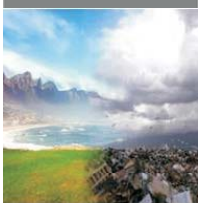
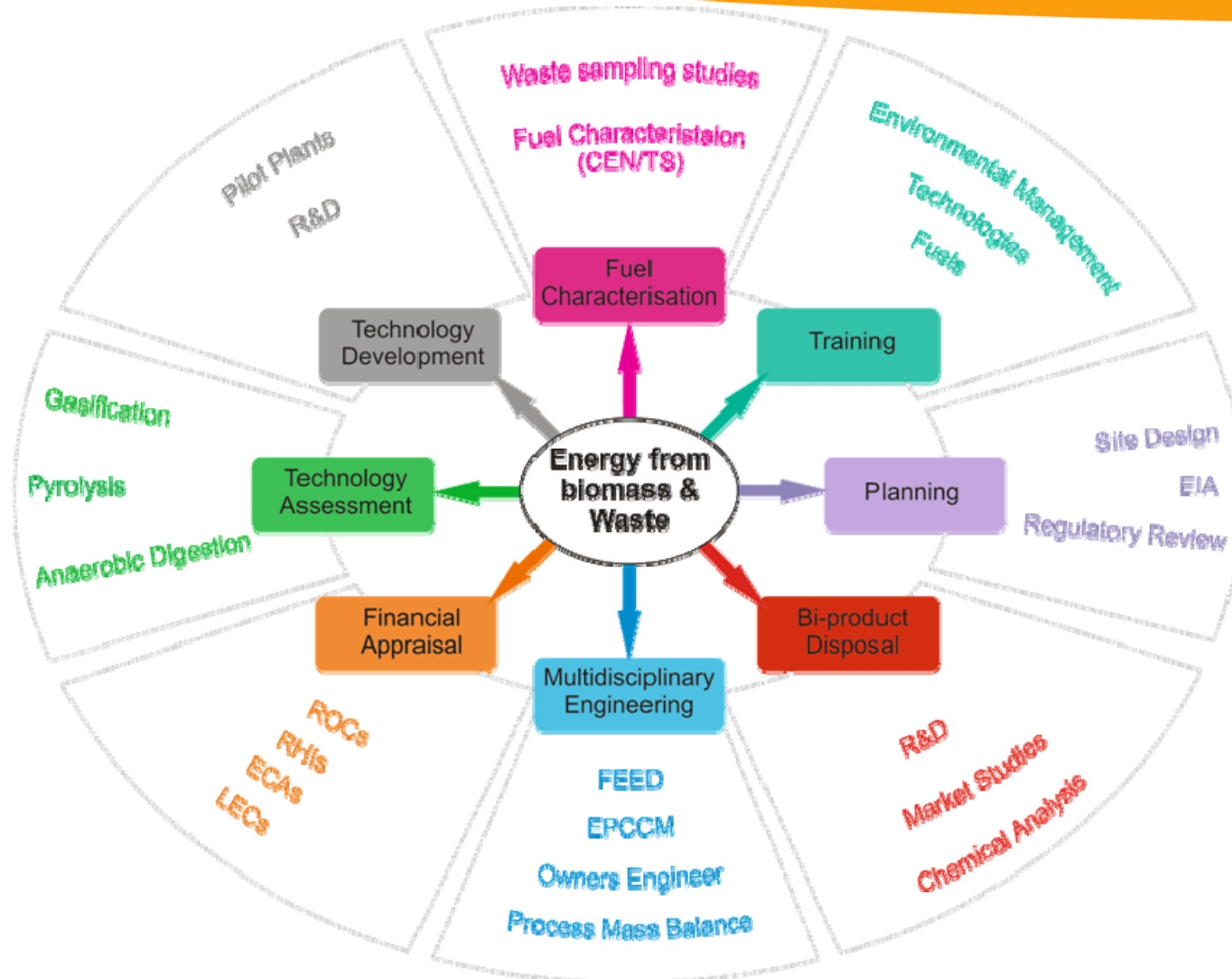
Environmental Consultancy

Resource Use Efficiency

Training

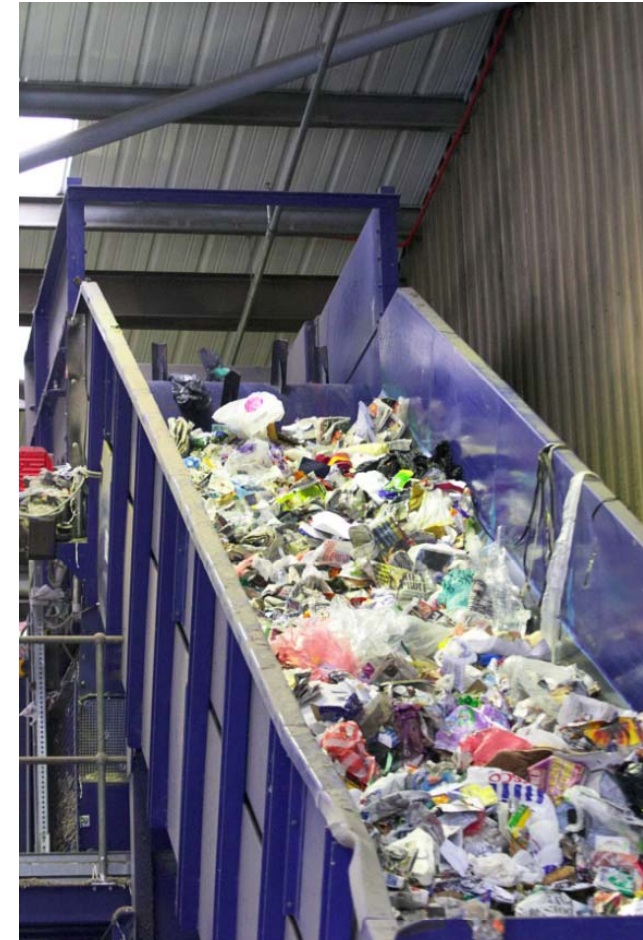


Waste to Energy projects



Case Study - CHP

- A waste management company in the NW
- Technical assessment of a proposed EfW CHP facility on their site.
- The study included:
 - Technology Assessment
 - Heat & Mass Balance
 - Financial Assessment (sales & incentives)
 - District Heating Appraisal



Why innovate?

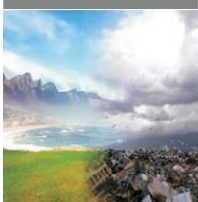
- Unique offering

- Environmental chemists and scientists, engineers across range of disciplines
- Novel position

- Enables strong associations with other organisations

- Generation of IP

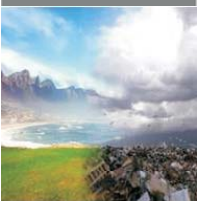
- Positioned ourselves as recognised experts in the field



What's in the future



- Further expand
- Develop specialist departments with specific and unique capabilities
- International markets
- Commercialise green technologies



Thank you

Stopford Energy and Environment Ltd
Sustainability Through Innovation

For further information contact us

www.stopford.co.uk

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