



**Arnold Black, Network Director,
The Resource Efficiency Knowledge Transfer Network, UK**

After nearly 25 years in the Design, Operation and Maintenance of chemical plants with multinational and UK contracting companies, Arnold, noting a shift in emphasis within the industry (chiefly, an increase in computer use and a migration of the bulk chemical industry to Asia), opted for a change in direction. He has worked overseas on world scale industrial plants and with UK Manufacturing sites and is familiar with mining and metal extraction, hazardous chemical manufacture and waste treatment processes.

He joined C-Tech Innovation in 2002 as a Project Manager. Within this organisation he holds key responsibilities for their renewable and sustainable energy R&D strategy. This has involved him in European projects and novel fuel cell and battery research projects.

In 2003 his breadth of technical and commercial knowledge promoted him to the role as Technology Translator and Assistant Director for Mini-Waste Faraday Partnership, an individual project run out of C-Tech for the UK government DTI. This was a national programme to promote innovation to minimise waste in five key sectors of the UK economy, mining and mineral, food processing, metal treatment, construction/demolition and electronic equipment manufacture.

At the end of the Faraday programme in 2006 the Mini-Waste Faraday was invited to bid for a much larger Knowledge Transfer Network in Resource Efficiency funded by the UK government Technology Strategy Board. Arnold is currently the Director with a team of seven central and fifteen regional Technology Managers reporting to him. He is also responsible for delivery of the wider programme through an intelligent, interactive e-portal supported by a Web administrator. In this key role Arnold reports to an Industrial Steering committee, which includes the Technology Strategy Board (part of DUIS), BERR, the Environment Agency, WRAP, the CBI, NISP, Envirowise, EPSRC and key industrial collaborators. The Network also has a strategic partnership with the National Industrial Symbiosis Programme which seeks to promote business to business collaboration to reutilise waste materials. The Resource Efficiency Knowledge Transfer Network offers the National Industrial Symbiosis Programme technological support both regionally and at a national level.

In his spare time Arnold is very involved in his local Church and has been to Africa recently with an international charity they support to offer project manager/funding advice for training/resource centre they are trying to build in Kenya and Uganda.