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2nd Euro Global Summit and Expo on

BIOMASS AND BIOENERGY

October 12-13, 2017 London, UK

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GHG reduction options for coal fired power stations

The presentation will provide an overview of developments in the energy supply market that are resulting in increased biomass co-firing and conversion of existing coal fired assets to use biomass. It will explain the policy and market conditions, as well as the technical adaptations, challenges and benefits associated with reducing GHG emissions using biomass, including several possible ways of significantly reducing the GHG foot print of a coal fired power station based on experienced and proven technological solutions from bioconversion projects executed over the last 20 years in Denmark. The presentation will present options based on two case studies, comprising the successful conversion of existing plants in the range from 100 MWe up to 500 MWe to biomass firing. The systems to be explained will briefly include fuel handling and preparation, combustion systems and boilers and display the differences between the options in capital expenditure and reduction in GHG emissions.

Biography

Paul R James is trained as a Chemist and in Chemical Engineering, Paul has spent some 25 years working in the Energy and Environment fields in both the Public and Private Sector. His early career included managing Environment & Energy performance in the Pharmaceutical Sector, policy development and regulation of major industry in the UK and Europe, and latterly consulting on large scale energy and waste projects. He the Chairman of the UK Chartered Institute of Wastes Management (CIWM) Special Interest Group on Thermal Waste Treatment.

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