

# St Germans Pumping Station

## The largest in the Europe

Tuesday 21<sup>st</sup> April 2009. 6pm for 6.30pm

Anglia Ruskin University, Chelmsford

A presentation by John Sheppard & Don Lamont - Atkins

Construction of a new state of the art pumping station at St Germans, Norfolk began in December 2006. The existing pumping station drains 700km<sup>2</sup> of Fens land and protects more than 25,000 properties and extensive areas of high grade agricultural land. The existing system discharges into the tidal River Great Ouse close to its sea outlet, however the 70 year old station is at the end of its useful life and no longer meets the required standard of protection.

The existing pumping station comprises of four pump sets with a total normal capacity of approximately 70 cumcs. The six new concrete volute pump sets are individually capable of raising 16.66 cumecs to a static head of 4.25m, will be required to provide an increased level of output of 100cumecs at any time during 75 year working life.

The station will be commissioned on line, downstream from the existing station, using a sophisticated method to simulate operational conditions that require close cooperation of all three contractors, Atkins and the client. The project is due to be completed at the start of 2010.

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