

## Levenmouth PFI Scottish Water



Levenmouth PFI is a £45 million private finance initiative (PFI) project to construct and operate a wastewater treatment works (population equivalent 500,000) on behalf of Scottish Water for a period of 40 years. The project includes:

- distributed catchment pumping;
- a new sea outfall, 1 kilometre in length to achieve 35:1 dilution;
- a treatment works built on a green field site which comprises preliminary, HRAS, secondary settlement and UV tertiary treatment, with a full sludge treatment facility (STF) incorporating importation facilities, and a drying system to produce a pelletised product for further utilisation. The STF incorporates the benefits of a 2.6MW combined heat and power system

Entec has been fully involved with the project, from the submission of the pre-qualification proposal through all the project stages to financial close. Entec has also provided technical management throughout the duration of the construction and commissioning period (Dec 1999 to

Nov 2002). Management of the commissioning process and operational testing for the client has also been carried out by Entec, including process, mechanical, electrical and ICA

In particular, Entec has provided staff to the service company to undertake the following roles:

- assistant bid manager;
- technical manager;
- technical advisor;
- advice and management of 'competent authority' requirements (SEPA / council)
- planning supervisor; and
- sludge strategy advisor.

And have undertaken a full range of technical, commercial and construction tasks.

The roles required an in-depth knowledge of the PFI process. The breadth and depth of this understanding in relation to the many and varied technical, legislative, commercial, financial and legal issues ensured Entec allowed the service company to meet their financial return requirements whilst ensuring that the project is delivered to the ultimate client successfully.

*Engineering and  
environmental  
knowledge applied  
commercially,  
assists PFI delivery*

