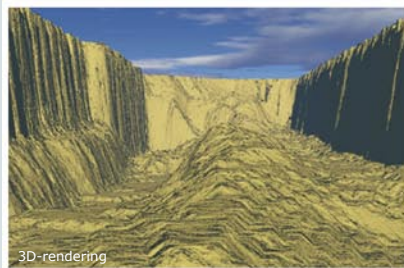


DSL[®] Services

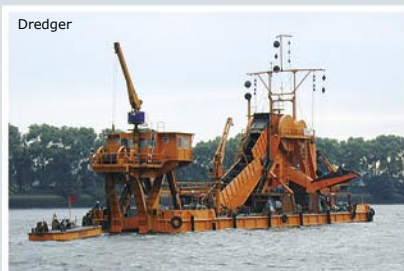
Precise Detection of Sediment Layers, Embedded Objects and Sediment Transport Processes



Equipment Example: Array of Low Frequency Transducer



3D-rendering



Dredger



Survey boat



Survey ship

General Acoustics survey department provides specialised worldwide geophysical services on the basis of our **DSL[®] Technology**.

DSL[®] with its extraordinary performance sets new quality standards in geophysical exploration and enables a wide range of tasks.

Application:

- Hydrographic surveying
- Determination of nautical depth
- Dredge and dump monitoring
- Minimisation of over-dredging
- Pipeline and cable tracking
- Object finding (also embedded)
- Sediment and soil classification
- Subsoil exploration
- 2D / 3D geological surface maps
- Determination of sediment volumes
- Environmental monitoring
- Sediment and suspension tracking
- Sediment transport
- Monitoring of erosion and sedimentation processes

DSL[®] Method

The method uses different frequencies out of a broad frequency range to simulate interactions between sound wave and material. **DSL[®]** detects this interactions with very high resolution and determines frequency dependent and independent processes (scattering, reflection etc.).

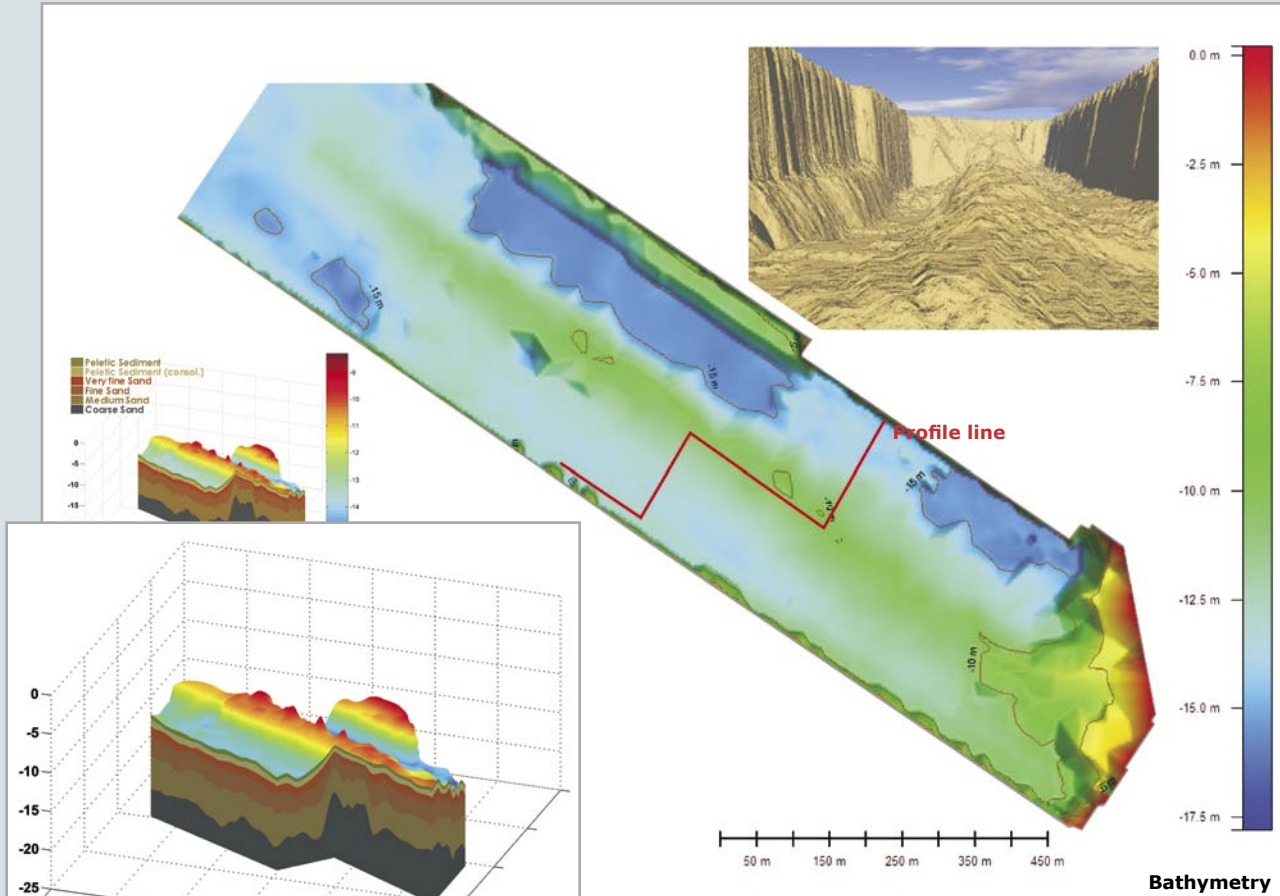
The results are precisely determined layer interfaces, suspensions, sediments, soils and objects and distinctive classification.

DSL[®] Services

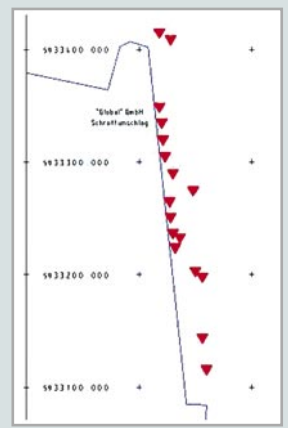
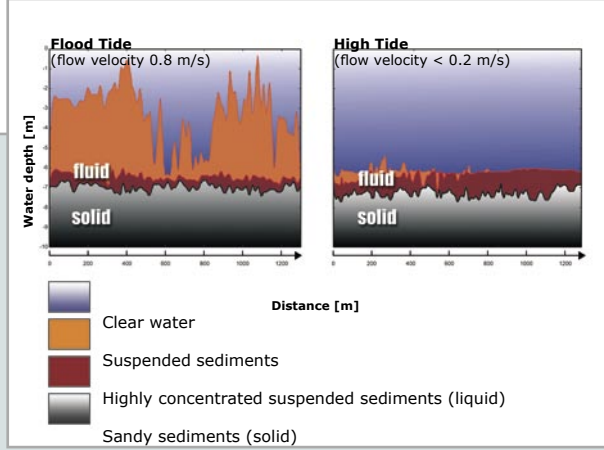
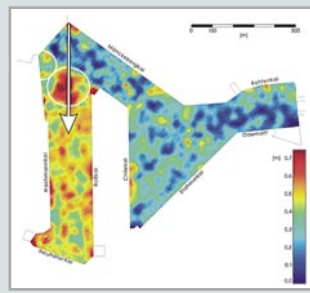
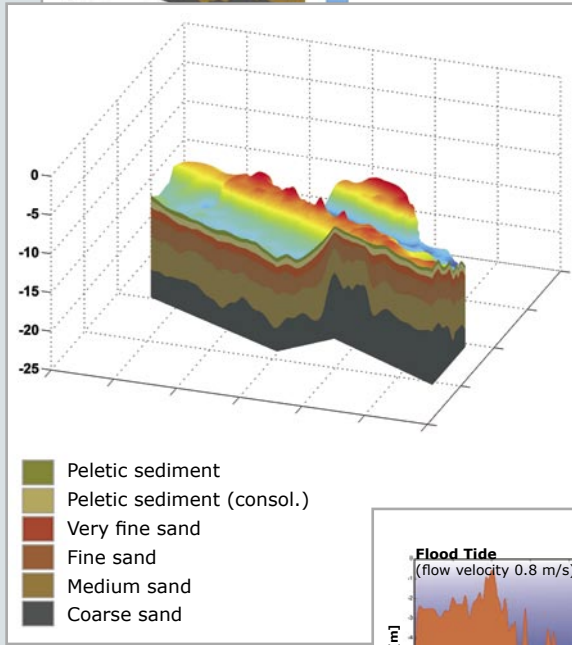
Precise Detection of Sediment Layers,
Embedded Objects and Sediment
Transport Processes



Examples



Subsoil exploration Port of Hamburg



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