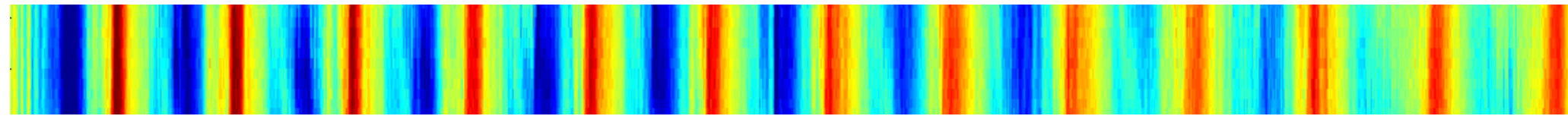## ViSea-H DAS

With ViSea-H DAS you can configure, acquire, playback and reprocess data from a Teledyne RDI Horizontal ADCP.

FEATURES

- Calculate discharge
- Multi-sensor acquisition, e.g. water level sensor, CTD
- User defined ASCII output
- Post-acquisition corrections
- Multilingual capability

Welcome to ViSea-H DAS

Introducing the leading software suite for all your horizontal ADCP applications. With ViSea-H DAS you can acquire real-time data from horizontal ADCPs with your choice of external sensors.
Expand your capabilities with two powerful toolboxes: the Harbour Control Toolbox (HCT) to manage multiple horizontal ADCPs and the Plume Detection Toolbox (PDT-H) to monitor suspended sediment fluxes.

PLUME DETECTION TOOLBOX

Monitor suspended sediment concentrations/fluxes in real-time using horizontal ADCP data.
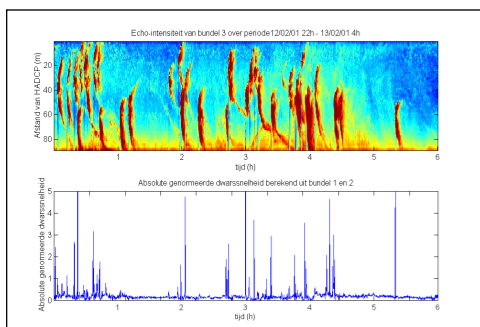
FEATURES

- Derivation based on vertical profile method
- Optimize calculated values by scaling using additional field measurements
- Cross channel integration of sediment flux values

- Derive water velocity homogeneity using Cauchy-Schwarz theorum
- Multi-thread technology
- Automatic ADCP tests
- Unique configuration file per measurement
- Send hard-, software and no-interrupt break
- Batch data (re)processing
- Bin mapping current axes
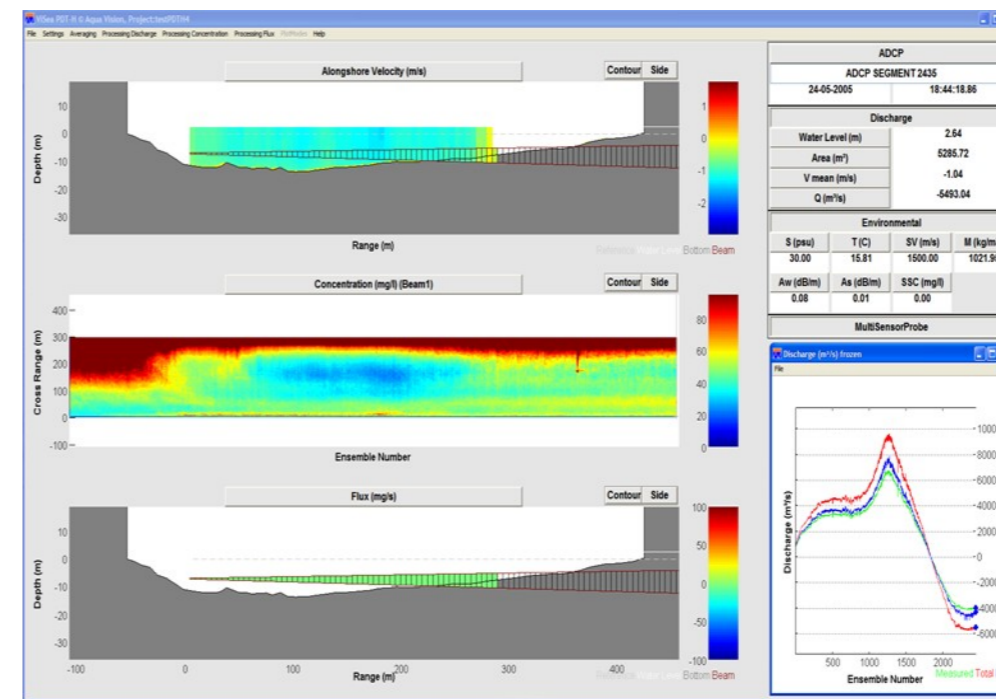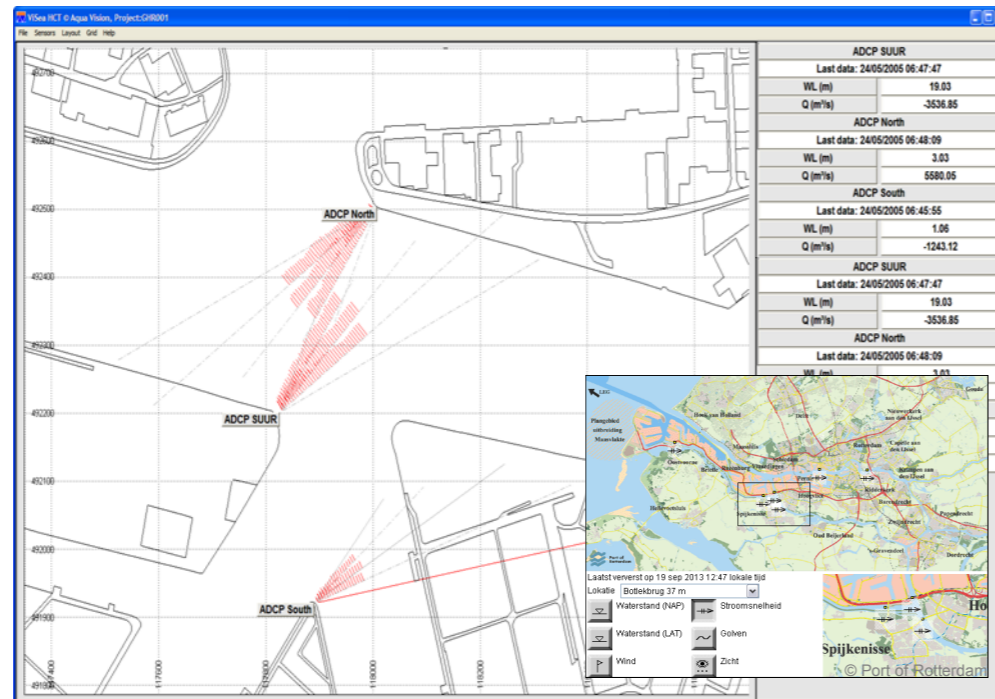
- Iterative calculation of sediment attenuation
- Capable of (post)processing self-contained horizontal ADCP data
- Post-processing optimization — e.g. calibration coefficients, & grain size distributions
- Derive multi-parameter correlations (ADCP/OBS, ADCP/water sample, OBS/ water sample)
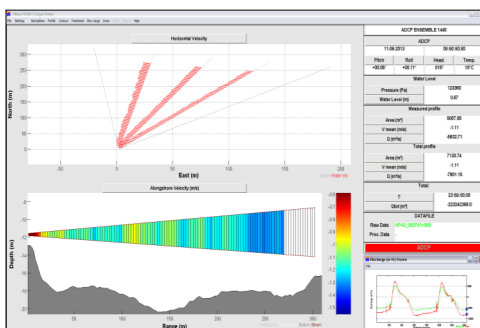- Date and time stamping

HARBOUR CONTROL TOOLBOX

Manage real-time data from multiple horizontal ADCPs and external sensors to enhance harbour efficiency and vessel safety.

FEATURES

- Manage multiple stationary ADCPs
- Multiple external sensor input
- Use with ViSea-H and ViSea DAS

- Supports instrument configuration and data handling
- Watchdog function for continuous operation
- Enables combined profiling
- Plot velocity data in chart overview
- Import .dwg or .dxf mapfile of port or harbour

COMPATIBILITY

- Teledyne RD Instruments Workhorse H-ADCP
- Windows 2000, XP, Vista, 7, 8

COMMUNICATION

- Real-time and on-line
- Serial, ModBus, LAN, GPRS, radio modem, TBox
- TMX communication protocol
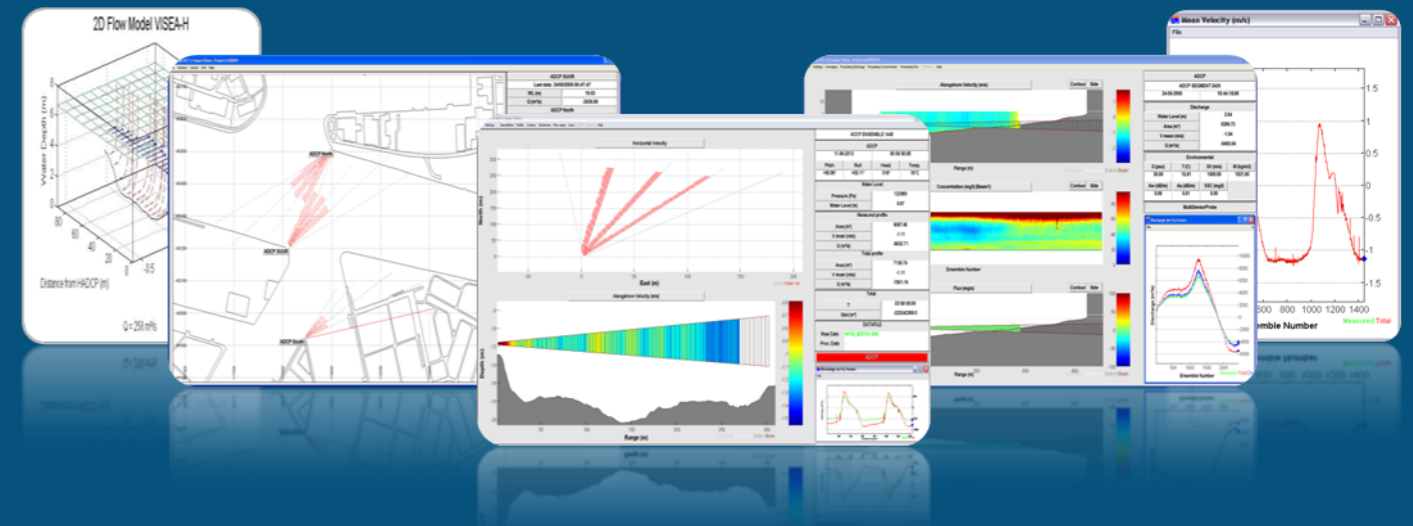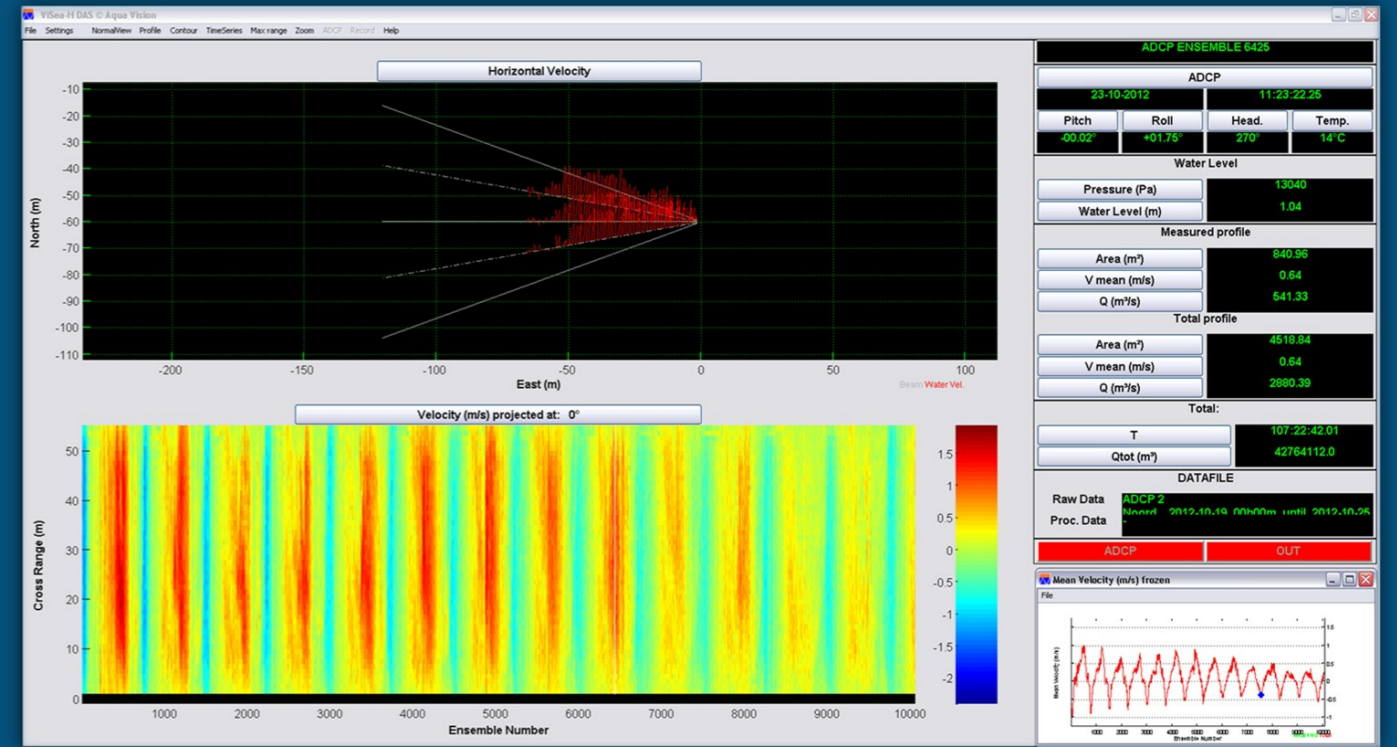- User defined ASCII out

HYDRODYNAMIC MODEL

Calculate discharge based on a 2D model. Extensive calibration measurements are no longer necessary.

Model Inputs

- Current velocity
- Water level
- Air pressure
- Bottom geometry
- Bottom roughness
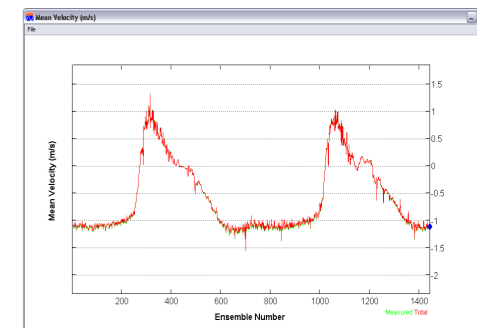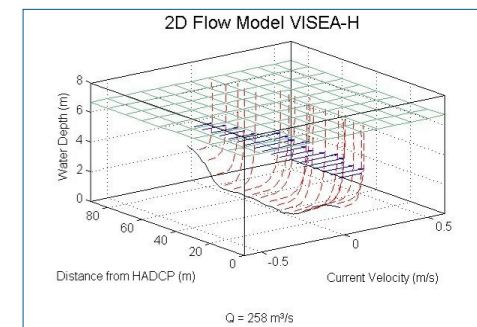
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ViSea-H DAS
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