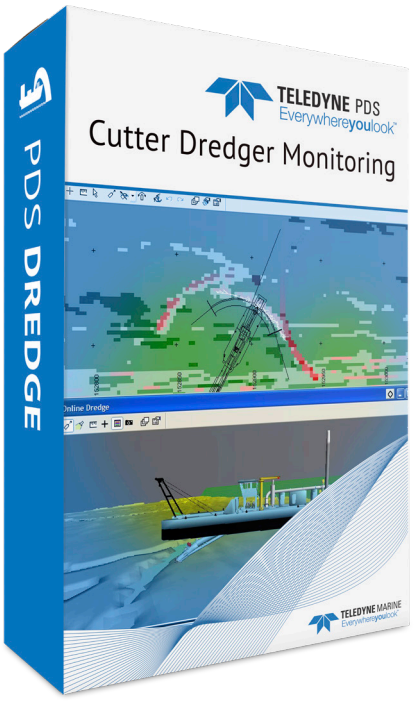
Teledyne PDS

Cutter Dredger Monitoring

With over 25 years dredge market experience, Teledyne RESON produces precision tools for any user. This leaflet gives you a brief overview of our capabilities. Our client database includes large and small dredging companies, hydraulic engineering, construction, offshore and survey firms. With those in mind, all Teledyne RESON products are designed to withstand the harsh environment in which the equipment is used. Whether it's for revetment surveys, rock dumping, excavating, dredging, maintenance surveys, building breakwaters, windmill parks, barge management or any other construction projects, Teledyne RESON will supply you with a suitable solution.

Designed for efficient dredging
Teledyne PDS for Cutter Dredgers is designed to the requirements of the dredge operator to carry out his job more efficiently. The operator has real time an overview of the dredger with the top and side views displaying the vessel outline, suction tubes and the dredge head along with the surveyed depths, design and dredged depth.



Real time visualization and monitoring
Teledyne PDS-Cutter supports visualization and monitoring of the angle and position of the ladder and cutterhead. It also shows information of the dredger such as the absolute position of the dredge head position in relation to the DTM and design model. Dredged areas are shown in various views which are updated as soon as new data is available. Multiple monitors with independent layouts are tailored to the needs of the dredge operator and helmsman. A color-coded Digital Terrain Model (DTM) highlights the high and low spots. The DTM is updated real-time registering the progress of the dredging work. The updated Real-time models supported are depth, differential and production models. The updates follow the shape of the Cutterhead. The update is immediately visible in the top, side and 3D views. 3D-Design models allow definition of highly complex designs. Concentration, flow, vacuum and pressure data can be displayed.

Cumulative production
A cumulative production calculation and reporting feature is implemented.

FEATURES

Teledyne PDS DREDGE

- Teledyne RESON's products give you accurate, efficient dredging.

INTEGRATED DREDGE SOLUTIONS

- Teledyne RESON is the only supplier of integrated dredge and survey solutions to the dredge and construction market.
- Teledyne RESON provides all the sensors for optimum dredge guidance.
- Products are designed for the dredge and construction environment
- Create high quality and fast results Innovative products

TELEDYNE PDS
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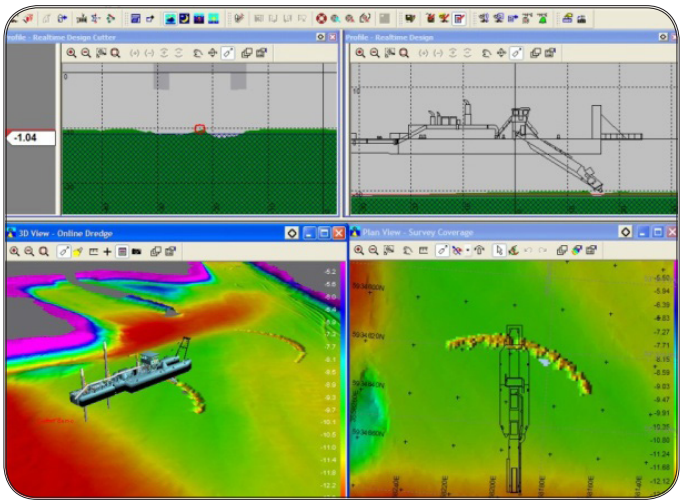
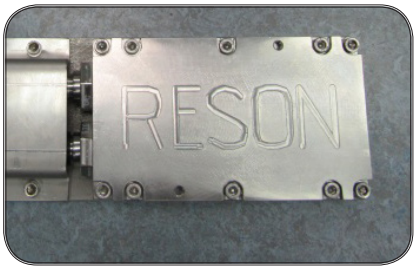
Teledyne PDS

Dredge

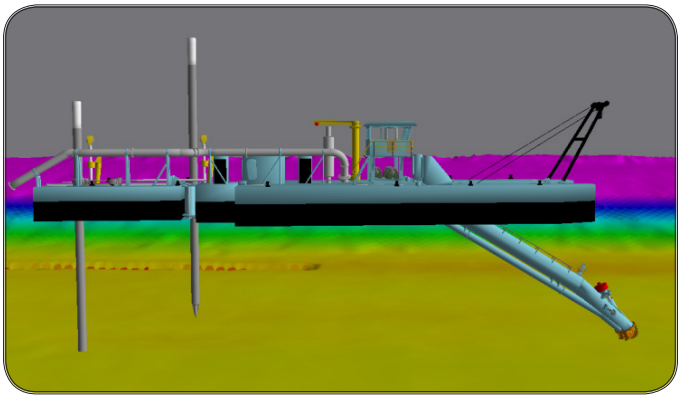
Sand production cutter application

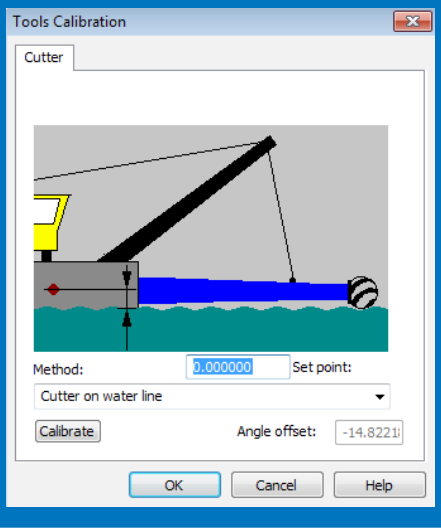


Visualization including 3D



Supply of sensors





Why choose Teledyne PDS dredge for your appication ?

- Reliable dredge monitoring software and sensors for your project
- The tool for efficient dredging
- Strong back office support
- Teledyne PDS flexible software, tuned for standard and special projects

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