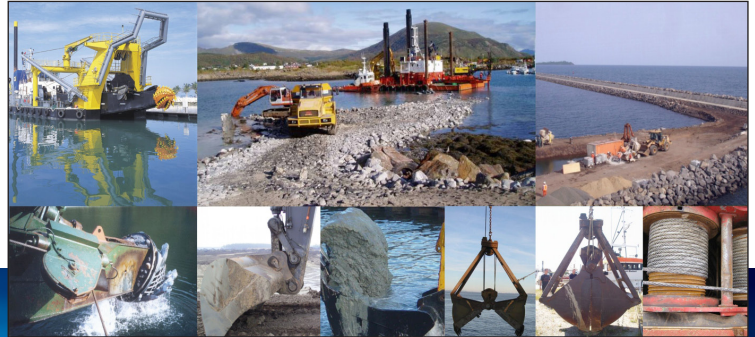


PDS2000

Dredge & Construction Applications



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 base 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.

Teledyne RESON supplies a full range of sensors and software for dredge guidance and construction applications. Dredge system supported are hydraulic excavators, wire-cranes, bucket dredgers, underwater ploughs, trailing suction hopper dredgers and cutter suction dredgers. The application's strength is the PDS2000 software that combines

the various sensors to a complete solution tuned to your project. This allows users to extend their standard dredge solution with additional features to carry out more complex projects.

Complex solution examples are standard PDS2000 dredge guidance systems with the addition of external equipment not regularly used in dredge activities.

For example a crane installation integrated with a USBL position system to position an underwater frame with sensors that are also interfaced and visualized in PDS2000, or a TSHD integrated with a Multibeam system.

For deepwater projects it is possible to integrate an underwater crawler with an ROV using a multibeam system and USBL for positioning.

FEATURES

PDS2000 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.

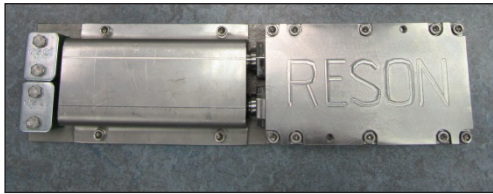
Create high quality and fast results.

Teledyne RESON PDS2000

EXAMPLE OF SENSOR RANGE SUPPLIED BY TELEDYNE RESON



Angle sensor



Inclinensor

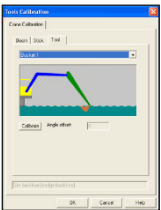


Interface

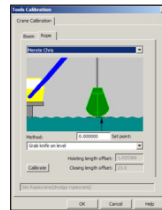
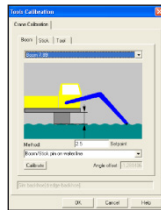
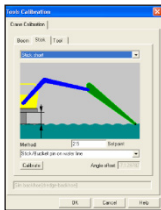


Draftsensor

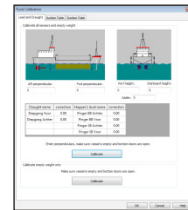
INTEGRATED CALIBRATIONS FOR VARIOUS APPLICATIONS



Excavator Calibration

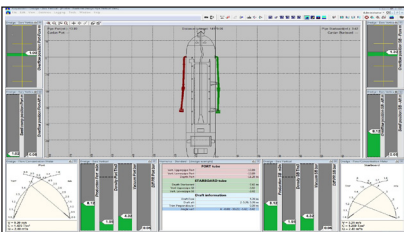


Wirecrane Calibration

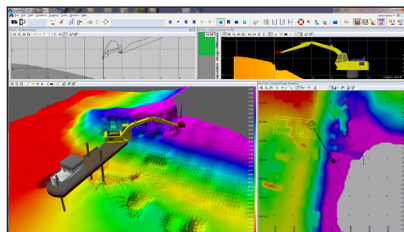


TSHD Calibration

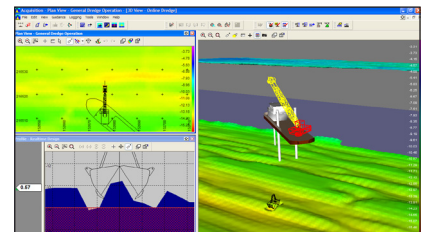
EXAMPLE OF VARIOUS MONITORING VIEWS



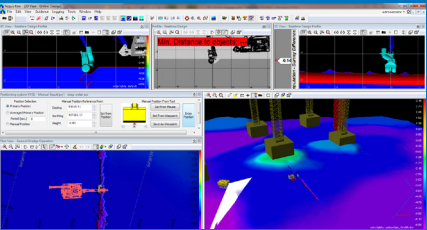
STDH layout example



Excavator layout example



Wirecrane example



WHY CHOOSE PDS2000 DREDGE FOR YOUR APPLICATION?

- Reliable dredge monitoring software and sensors for your project
- The tool for efficient dredging
- Strong back office support
- PDS2000 flexible software, tuned for standard and special projects.

For more details visit www.teledyne-reson.com or contact your local Teledyne RESON Office. Teledyne RESON reserves the right to change specifications without notice. 2013©Teledyne

Teledyne RESON A/S
Denmark
Tel: +45 4738 0022
info@teledyne-reson.com

Teledyne RESON Inc.
U.S.A.
Tel: +1 805 964-6260
sales@teledyne-reson.com

Teledyne RESON Ltd.
Scotland U.K.
Tel: +44 1224 709 900
sales@reson.co.uk

Teledyne RESON B.V.
The Netherlands
Tel: +31 (0) 10 245 1500
info@reson.nl

Teledyne RESON Pte. Ltd.
Singapore
Tel: +65 6725 9851
singapore@teledyne-reson.com

Teledyne RESON Shanghai Office
Shanghai
Tel: +86 21 64186205
shanghai@teledyne-reson.com

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