



FORESHORE TECHNOLOGY

Specialist Dredging & Terrestrial Instrumentation & Control

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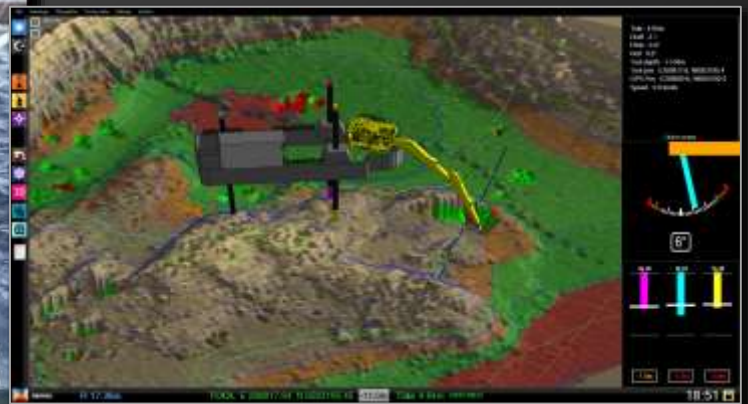
DREDGE MASTER

BACKHOE



Foreshore Technology are proud to introduce DredgeMaster Backhoe, a real time dredge monitoring system. Our focus has been on making the system **stable, intuitive, easy to support** and able to manage large amounts of real time dredging data effortlessly. This philosophy applies to the software and hardware and helps to ensure that the dredgers using our system have **higher production and greater precision**.

The complete system includes the DredgeMaster Backhoe software, an industrial marine base computer, a control PLC unit, heavy duty environmentally sealed sensors, remote support software and web portal login. All of which combine to make one of **the most advanced dredge monitoring systems** available today.



Software

The DredgeMaster backhoe software has been designed for the operator. Built from the ground up using the **latest technology and practices** from the software, avionics and gaming industries, the software is a fully 3D system that can display any view required in real time with an update rate greater than 60Hz. You can also **watch the machine work in real time** over the internet.



The software is **fully configurable** to your vessel and equipment setup and can be loaded with AutoCAD drawings and raster maps to accurately depict your machine and the current working area.

There are 5 configurable display layouts that can be tailored to the number of screens that you have. Each display window can be moved, resized, minimised or hidden so that you **only see the information that you need**.

Each driver can also configure their own settings and display options such as colours and symbol settings for both day and night work.



Hardware

The DredgeMaster hardware has been **designed for the extreme environments and conditions** found in the dredging industry.

Using the latest PLC devices and a modular approach, the hardware is easy to service and upgrade.

Custom built for the configuration of your dredger, the DredgeMaster system can be installed in another part of the vessel away from the dust and vibration of the operators cab. This improves the stability and life of the whole system.

The hardware is scalable to meet any future requirements you may have. For example, tool rotation has been added to the standard system and the grab module. Additional sensors can be added to measure winch rotation for spud leg monitoring.

Environmentally sealed stainless steel sensors.



Clearly marked cabinets make servicing the cabinet simple.



GPS Units

Full GNSS/RTK base stations and rover compasses with fully integrated UHF telemetry links or subscription services via Satellite are available from Foreshore Technology and provide a range of solutions.

With built in permanent integration with the DredgeMaster Software there is **no need for separate utilities or cables** to manage these devices and support can be provided easily with an internet connection.





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Find out more

To request the full product datasheet with over 20 pages of information about the DredgeMaster software please contact us today on **0044 (0) 1179758628** or email us at info@foreshoretechnology.com

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To discuss your requirements further, contact us today on **0044 (0) 1179758628** or email us at info@foreshoretechnology.com