

# CLAMVISION®

Precise XYZ Dredge Positioning Software

**Real time operator turbidity gauges:** Correct turbidity spikes without job interruptions by providing the operator with the information needed to determine the cause.

**Wireless hardware setup:** Work free of wires between the crane and office.

**Unmatched support:** Cable Arm techs are available to help with your software and hardware needs.

**NEW Accurate Cable Counter:** Accurately calculate bucket depth on clamshell rigs and give the operator the ability to dig with precision at any speed.

**RTK Tide:** GPS to factor tide rather than a land based gauge.

**Elevation Mode:** Change depth to elevation when a project also has machines on land. Elevation can be obtained by RTK GPS or a construction laser.

**Excavator sensor:** Move away from a gravity based inclinometer where shock and vibration can cause erroneous readings. Use Cable Arm sensor for increased sensor life and more accurate readings.

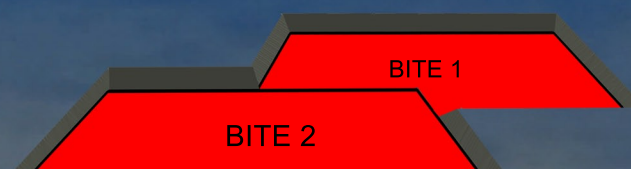
**ClamVision®** is an easy to maintain, versatile software suite. This wireless dredge positioning system is designed to run with the most common marine applications. From clamshells to cutter heads, excavators to drill barges, ClamVision® offers operators and crew a real-time view of the barge and machine's position overlying the job site. The software gives information on where to dig and how deep to go, eliminating all guesswork. It displays a 3-D, color-coded surface derived from existing hydrographic data and projected surface models. System information is automatically recorded and stored into a file viewable on any computer, no need for extra "hard lock" keys. Alongside each installation, CLamVision® technicians provide solid training and are available on site upon request.

*Other services offered include seafloor imaging and hydrographic surveying.*

## STAND ALONE CABLE COUNTER

precise data tracking:

- 1 boom arm angle
- 2 crane pitch/roll
- 3 barge pitch/roll
- 4 barge draft
- 5 drum rotation  
(compensates for multiple wraps)



CALC tracks: 1 boom arm

2 crane

3 barge

4 free board depth

5 movement of drum while compensating for wrap



wave movement



# CALC

Cable Arm

The **NEW** cable arm line counter, CALC, brings precision to a new depth, literally. It offers precise measurements resolved down to the millimeter by tracking various instruments throughout the barge. With the new cable counter, environmental dredging just got a whole lot easier. A stand alone system that is fully compatible with ClamVision.