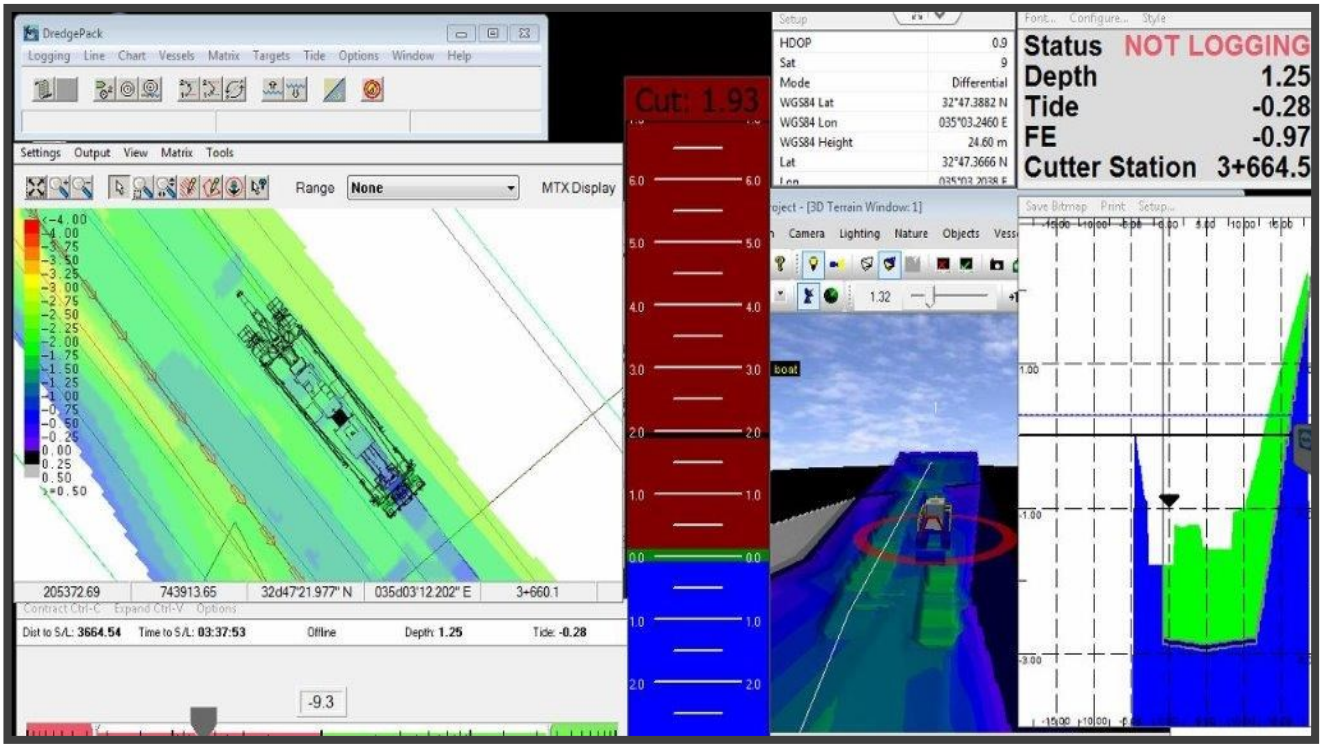
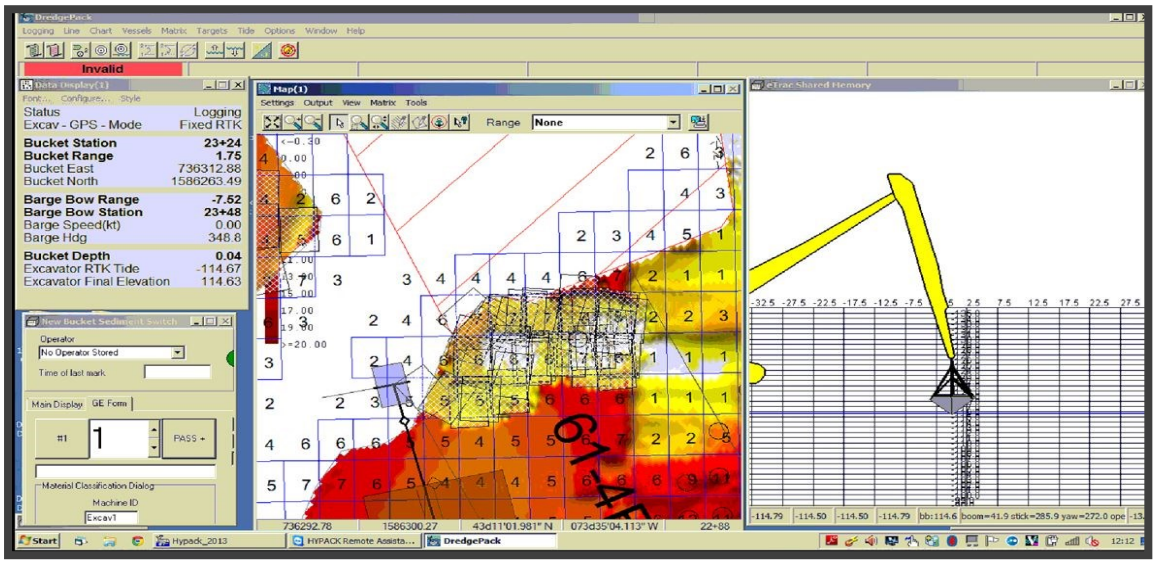
DREDGEPACK®

Software for Dredging Control on Cutter Suction, Hopper, Excavators and Bucket Dredges



DREDGEPACK® installed on a cutter suction dredge with plan, sectional, and 3D views.

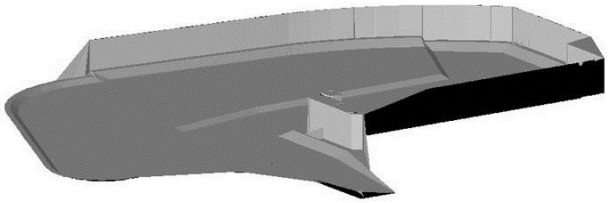


DREDGEPACK® installed on an excavator with sectional view on left showing project design and over depth template.

HYPACK
a xylem brand

DREDGEPACK® is designed to assist your company in monitoring its digging operations. Area maps, nautical charts and DXF files can be downloaded for geographical reference. A color-coded matrix shows your current depth, while a profile view will show both your current and required depths. The matrix is updated in real time to ensure you meet your targeted depth. In an industry where you can be heavily fined for not digging to the required depth, DREDGEPACK® becomes a crucial component to any dredging project.

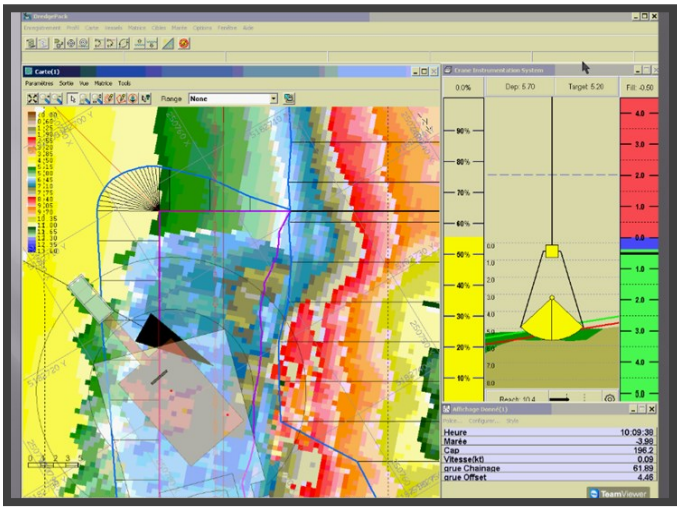
Dredge plans are now more complex than ever. DREDGEPACK® provides you with the design tools to be able to accurately model almost any dredge plan. Real-time, cross sectional profiles show you the 'As Dredged' and 'As Surveyed' surfaces. These profiles can be displayed 'along track' or 'across track' for hopper dredges. For cutter suction dredges and excavators, you can display a cross sectional profile along the arc of rotation. That let's you see exactly what's coming up as you swing left/right.



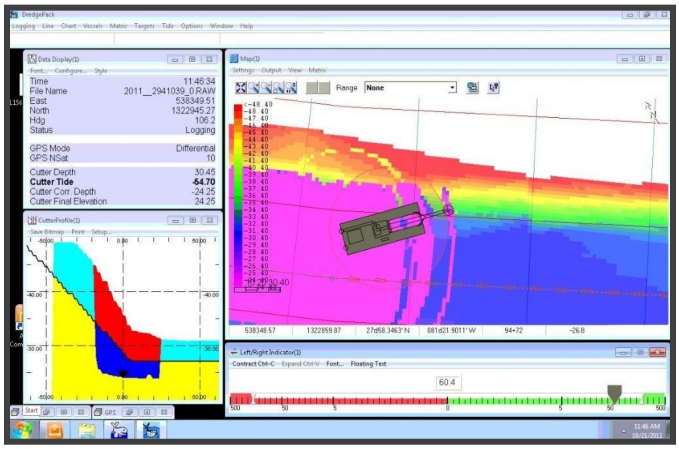
DREDGEPACK® also allows you to meet your reporting requirements. The software is compliant with the USACE Silent Inspector requirements for hopper dredges. It is also compliant with the proposed Silent Inspector requirements for cutter suctions and excavators.

Included in DREDGEPACK® :

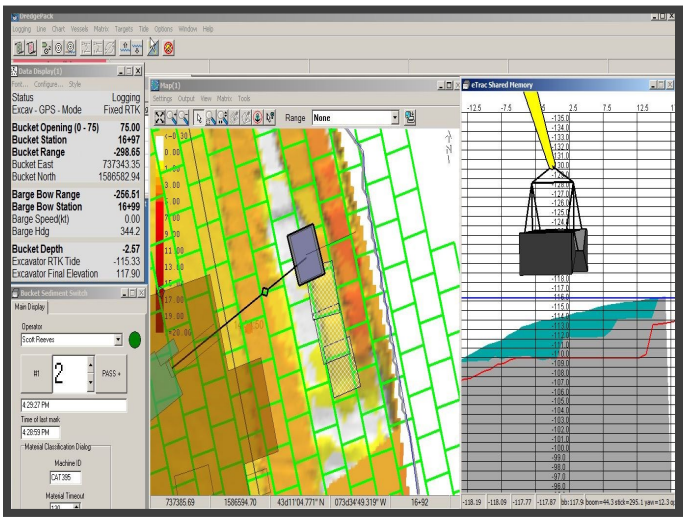
- Bucket Patterns: Generate bucket patterns in advance of digging.
- Bucket Reports: Keep a history of the location of each drop (or placement) and export it to your CAD/ GIS package.
- Dredge Statistics: View a distribution of depths to monitor over-digging.
- MTX Reporter: Produce a graphic that shows the dredge progress based on each shift or each day.
- HYPLOT: HYPACK® smooth sheet program.
- CHANNEL DESIGN and ADVANCED CHANNEL DESIGN: HYPACK® programs to design simple and complex channel plans.



DREDGEPACK® provides the solution to track the depth and position of the bucket on a clamshell dredge.



DREDGEPACK® installed on a cutter suction dredge with a carriage spud. Note the real-time cross section that is taken along the arc of the cutter head!



Proposed bucket patterns for a crane and bucket operation can be generated in advance. DREDGEPACK® also keeps a history of bucket drops/placements for your reports.