Dredge Monitoring

INCREASING PRODUCTIVITY & MAINTAINING COMPLIANCE
Better Data, Better Decisions.
For more than 20 years we’ve been demonstrating how defensible data can change your world.

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. DREDGEPACK® provides you with the design tools to be able to accurately model almost any dredge plan.

Why DREDGEPACK®?

- Fast and reliable customer support
- Single platform to streamline surveying and dredging operations
- The ability to work with over 400 marine sensors of your choice
- Ready built interfaces to the USACE dredge quality management system

Valued DREDGEPACK® Users

BRENNAN  
OCEAN

CASHMAN DREDGING  
MANSON CONSTRUCTION CO

WEEKS
Compliance Monitoring System
Avoid Costly Project Shutdowns

YSI Turbidity
Integrated Compliance Alarms

Prevent or minimize operational shutdowns due to turbidity exceedance with live data and alerts integrated directly into DREDGEPACK® software.

Why Monitor?
- Gain live insight into when turbidity values come near or exceed permitting limits
- Setup alarms to inform both dredge operators and project managers of events via email/text alerts
- Take the guesswork out of environmental compliance and avoid costly penalties

Live turbidity dashboard in DREDGEPACK® with automated alarm.

Buoy Platform
Water Monitoring Instruments

Compliance alarms are made possible through the installation of water monitoring instruments near your dredging site.

Xylem offers a suite of buoy mounted platforms with wireless data transmission and web hosting options.

Buoy Selection

<table>
<thead>
<tr>
<th></th>
<th>EMM150</th>
<th>EMM350</th>
<th>SB-138P</th>
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</thead>
<tbody>
<tr>
<td>Cost</td>
<td>$</td>
<td>$</td>
<td>$$$</td>
</tr>
<tr>
<td>Deployment Environment</td>
<td>Rivers, Lakes, Harbors</td>
<td>Rivers, Lakes, Harbors</td>
<td>Harbors, Coastal Areas, Open Ocean</td>
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<tr>
<td>Max Current</td>
<td>2 Knots</td>
<td>5 Knots</td>
<td>6 Knots</td>
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<tr>
<td>Simple Installation</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Air Weight</td>
<td>60kg (133lb)</td>
<td>170kg (375lb)</td>
<td>454kg (1000lb)</td>
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<tr>
<td>Alarm Options</td>
<td>Email, Text Message</td>
<td>Email, Text Message</td>
<td>Email, Text Message</td>
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<td>Additional Payload</td>
<td>Meteorological / Current Sensors</td>
<td>Meteorological / Current Sensors</td>
<td>Meteorological / Current / Wave Sensors</td>
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YSI.com/systems
See reverse for contact information.
Safety Solutions
Keeping Your Employees Safe Always Matters

Xylem also offers products from SonTek and Aanderaa to ensure a safe working environment for your field crew. Protect your people with alarms for hazardous weather or water conditions:

- Wind Gusts
- Breaking Waves
- Dangerous Currents
- Rising Water Levels

Dredge monitoring solutions provided by the following Xylem brands:

YSI Incorporated
info@ysi.com
YSI.com
+1 937-688-4255

SonTek
inquiry@sontek.com
SonTek.com
+1 858-546-8327

AANDERAA
aanderaa.info@xyleminc.com
Aanderaa.com
+47 55-60-48-00

HYPACK
sales@hypack.com
HYPACK.com
+1 860-635-1500

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