



HAWK VISION

EXCAVATOR SENSORS



Wi-Fi (ENET)



RTK GPS DREDGE SYSTEM

REAL-TIME POSITIONING



GPS Antenna

Wi-Fi Hotspot (POE)

Base Control

Solar Panel

GROUND POSITIONING STATION

- Survey Grade Accuracy
- L1 L2 Multi-Constellation RTK
- Accuracy equals Time and Cost Savings
- Setup and Integration Services Offered

RTK GPS Dredge & Dig System

Always know where you're dredging with our new RTK GPS system that can be attached to a dredge pump, clamshell or bucket for optimal dredging or excavation. Prevent over or under dredging.

COMPATIBILITY

BUCKET OR CLAMSHELL ATTACHMENTS



EXCAVATOR DREDGE PUMP ATTACHMENT



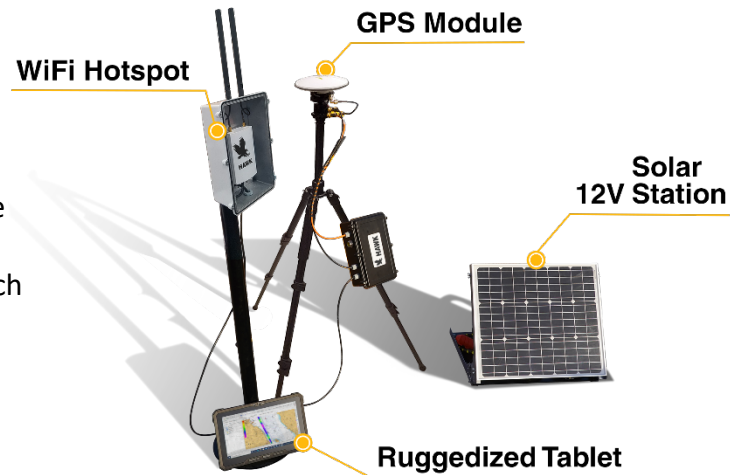
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What is RTK GPS?

Real-time Kinematics or RTK GPS is a survey-grade precision GPS that gives dredge excavator operators the exact location of the bucket or hydraulic attachment underwater. A base station is used as a fixed point, which works in tandem with RTK GPS to provide the highest precision possible. The base station is like a True North that the unit can always calibrate to. This provides accuracy to less than an inch instead of feet, which is critical when a dredging project needs high precision.



Ease of Operation:



DREDGEPAK/HYPACK compatibility or use our custom software to manage the system. All units come with a rugged user interface tablet with a locking mount. **Remote Support.** 4G Cell WIFI enabled for remote support and diagnosis.

Hydraulic Dredging:



Attach the RTK GPS Positioning system to your **hydraulic or electric** powered dredge pump to always know where the suction head is under the waterline.

Excavator Sensors:



All-inclusive hardware and sensors are designed to be rapidly deployed in the most rigorous of environments. Entire system transported in two Pelican HD cases. This is excavator and ground stations.

Mechanical Dredging:



Attach the RTK GPS Positioning system to your **excavator's bucket or other attachment** to always know where the bucket is under the waterline.

Base Control Station:



The **Solar Base Station** provides fixed grounding point for the unit. 110VAC or 12VDC battery with solar panel compatible base station are included in the kit.

APPLICATIONS:

- Marine Dredging from Land or Barge
- Mechanical or Hydraulic Dredging
- Dry Material Mass Excavation with Buckets
- Clam Shell or Grab Dredge Compatible



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