Kordil Navigation Pro

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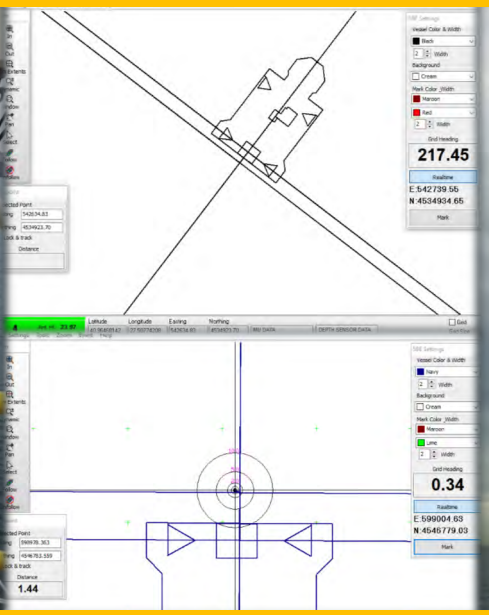

Kordil Navigation Pro

KNP is a general-purpose positioning system used to track position of barges, vessels, cranes, rigs, dredgers, heavy machinery, tractors, cars etc. Software logs raw data from sensor as a parameter of time. 3D position of the vehicle and its surroundings are shown in detail on 2D plan view. The software is very easy to follow by operators.

Adventages and Area of Use

It can be installed on all land or marine machinery that requires positioning,

Convenient for all vehicles of any size to be tracked on your display,

Provides better track of dredging, rockfill, sea filling, offshore and land excavation works and prevents human error and recurrent operations.

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Key Features

Supports 2D and 3D vector files,

DXF and DWG files are supported,

Logs and processes NMEA messages received from GPS,

High frequency serial data input

WGS-84 and other common local datum support

Transverse Mercator (TM) projection

Datum and projection definition

Adding, removing and editing objects on CAD interface

Route and runline generation

Destination and route module,

Waypoint tracking according to one destination

Easy to eye and easy to use, supports simple CAD functions

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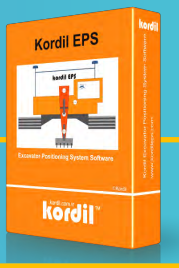
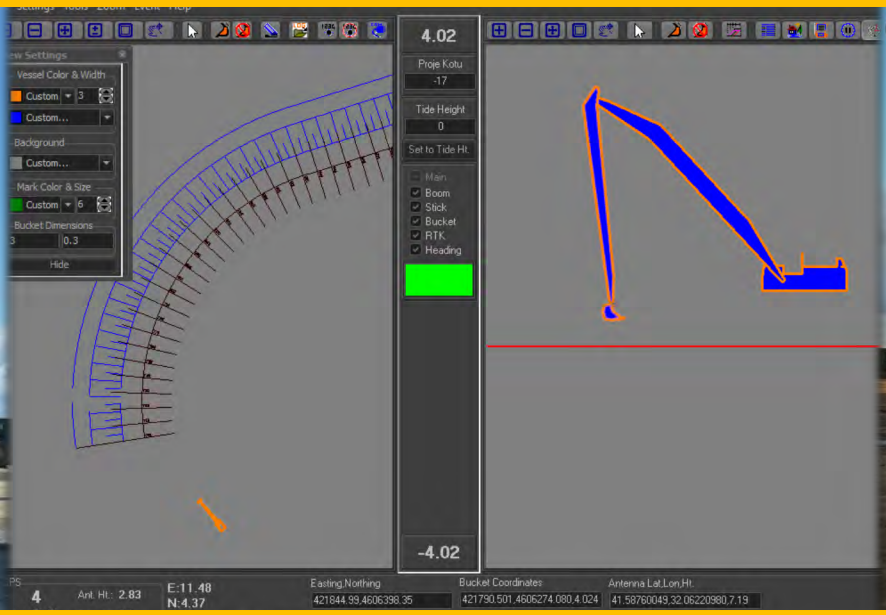
EXCAVATOR POSITIONING SYSTEM





Kordil EPS

Kordil EPS is an integrated custom fitted positioning system for excavators and dredgers providing precision position information on a screen in from 3D dataset on simplified 2D real-time to easy the operators understanding. With this screen, operator can see design profiles, survey profile and any other profiles uploaded. The survey profile is updated as dredged or as filled up. In addition, on completion of a part of work, excavator can perform an independent survey over the work area for surveyors to report.

Technical Specifications

Horizontal accuracy	With RTK, DGPS, ATLAS GLOBAL options
Vertical accuracy	0.05 m (20m toplam bom + kol uzunluğu)
Heading accuracy	0.05 °
Motion sensor accuracy	0.1° for roll and pitch

* Position accuracy can be improved by OmniSTAR subscription or base-rover applications.

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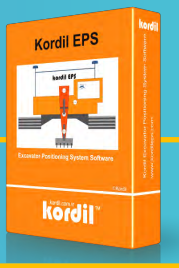
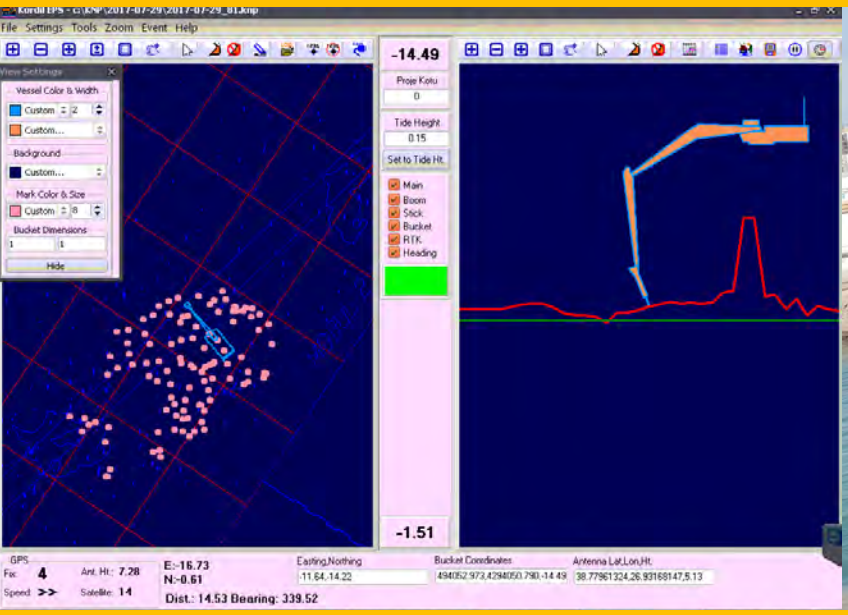
EXCAVATOR POSITIONING SYSTEM





Key Features

Robust, durable and custom design installation

Convenient for 24/7 operation

Dynamic survey data profile update

Dynamic 6 design profile and 1 actual/survey profile on screen

Survey with joystick/push button (XYZ logging)

Real-time side and top view

No surveyor intervention required for good performance

Logging entire datasets received from the sensors

GNSS receiver is capable of connecting many optional differential sources for correction (CORS, NTRIP, Satellite Based, Shore Based corrections)

Shock and vibration resistant (suitable for jack-hammers and rock works)

IP-69 water proof sensor design (100 m)

User friendly software with DXF support

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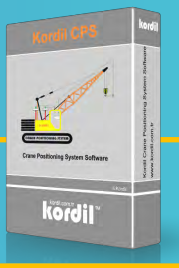
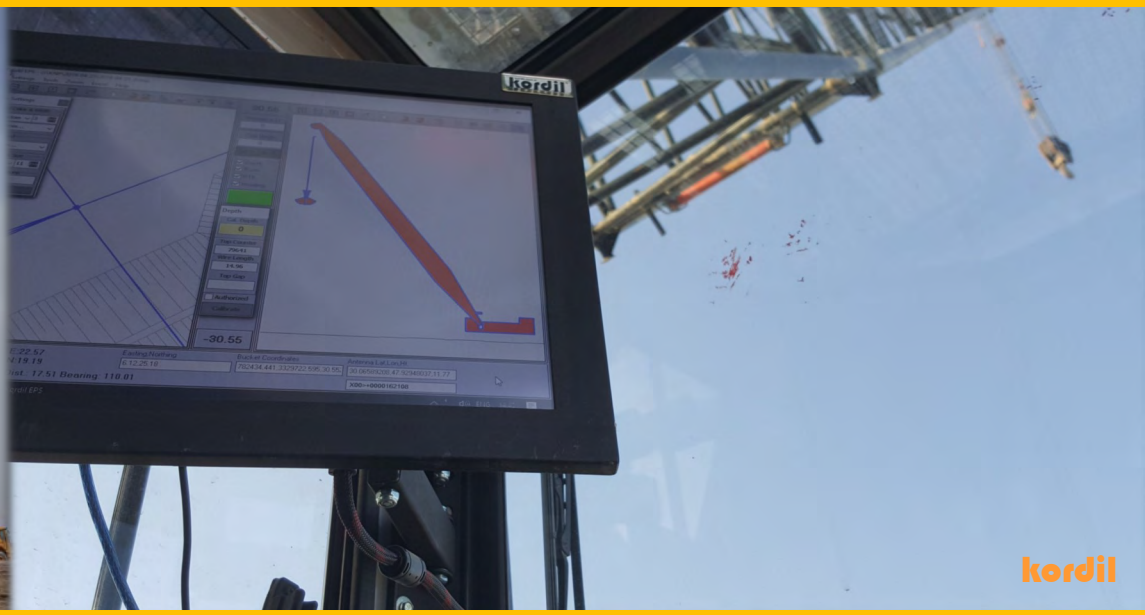
CRANE POSITIONING SYSTEM





Key Features

Pedal or push button for position marking,

Boom angle and with position information on display,

Perfect software for land and marine works

High precision positioning of marine and land cranes and operation area marking,

Supports AutoCAD ®'s DXF format

Maintains a safe approach to dredging or filling areas,

Robust, durable and custom design installation,

Continuous crane operations with finger reachable push button,

Economic solutions appropriate for any crane type.

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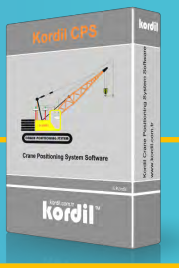
CRANE POSITIONING SYSTEM



Adventages and Area of Use

Underwater soil compaction and improvement

Harbor deepening projects

Piling and river bank projects

Technical Specifications

Horizontal Accuracy	With RTK, DGPS, ATLAS GLOBAL options
Vertical Accuracy	N/A
Heading Accuracy	0.05 to 0.30° (Depends on the vehicle it's installed on)
Motion Sensor Accuracy	0.1° for roll and pitch

* Position accuracy can be improved by OmniSTAR subscription or base-rover applications.

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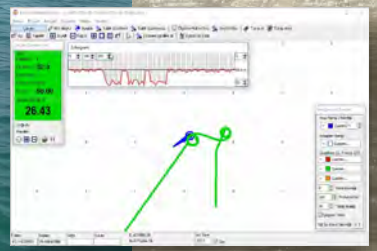
KORDIL BATHYMETRY STUDIO



Features

Kordil Bathymetry Studio (KBS) is a singlebeam echosounder-system that offers KBS200 single frequency and KBS30200 dual frequency options. Data received from echosounder and GNSS antenna are tracked and recorded real-time on KBS software. 3D reality is visualized in easy to follow 2D plan and profile views to help both sailors and surveyors have a smooth survey experience.

Technical Specifications

Communication	RS232 and Bluetooth™
Baud rate	4800
Acoustic frequency	200kHz(KBS200), 200kHz or 30 kHz (KBS30200)
Max. depth range	100m(KBS200), 200m (KBS30200)

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KORDIL BATHYMETRY STUDIO

Entire System in One Case

Your KBS200 or KBS30200 bathymetry system is in one robust case,

Entire system can be mobilized by one person,

Best choice for hydrographic surveys for all waters, dredging and excavation works, harbor and dock surveys, seabed deformation surveys.

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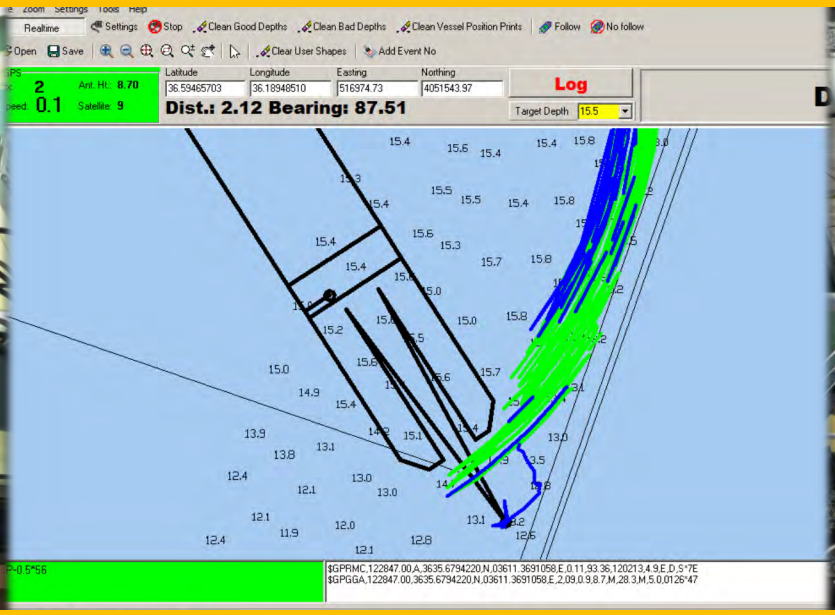
DREDGER-PRO EDITION



Features

Color marking indicates where more dredging or filling is needed,

Drastically improves the work completion time by visual depth tracking capability and easy to follow display,

Supports common coordinate systems,

Skipper or crew members won't need any training for KNP software, which is easy to understand and follow,

Continuous and simultaneous position and dig/fill information

Supports AutoCAD®'s DXF format

Water resist, robust and durable design

Users can alter calibration and offset values without any assistance,

Previous work areas are marked.

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DREDGER-PRO EDITION

Adventages and Area of Use

Prevents recurrent dredging works,

Fast operation thanks to unmanned, continuous and standalone positioning system,

As KNP Dredger-Pro Edition has been used in dredging applications by experienced personnel, it is a strong dredging solution.

Technical Specifications

Horizontal Accuracy	With RTK, DGPS, ATLAS GLOBAL options
Vertical Accuracy	0.05 m with tide height
Heading Accuracy	0.05 to 0.30° (Depends on the vessel it's installed on)
Motion Sensor Accuracy	0.1° for roll and pitch

* Position accuracy can be improved by OmniSTAR subscription or base-rover applications.

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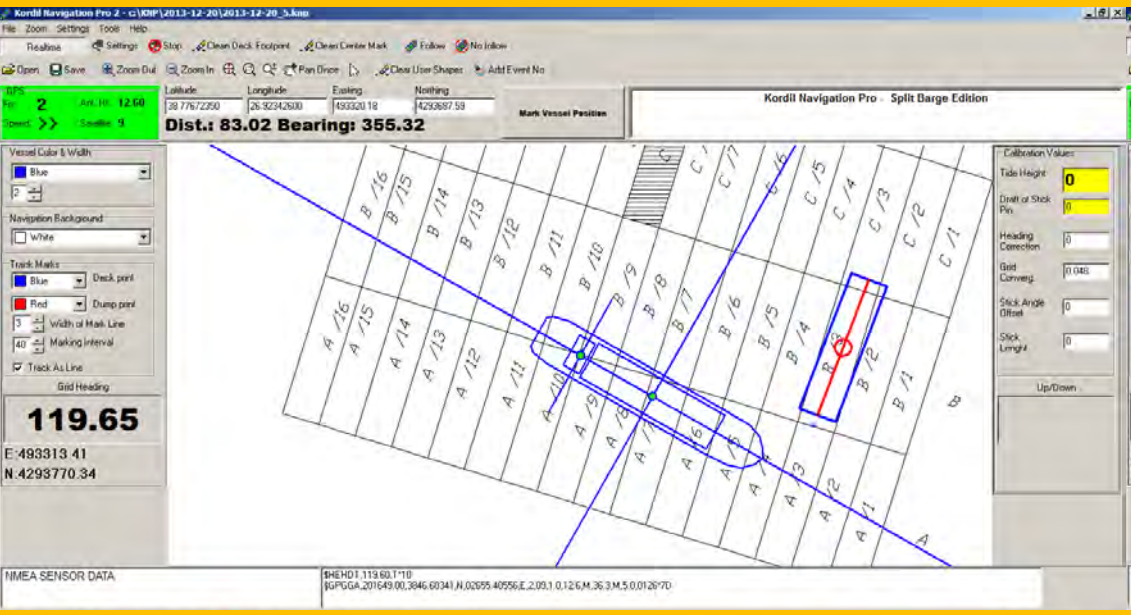
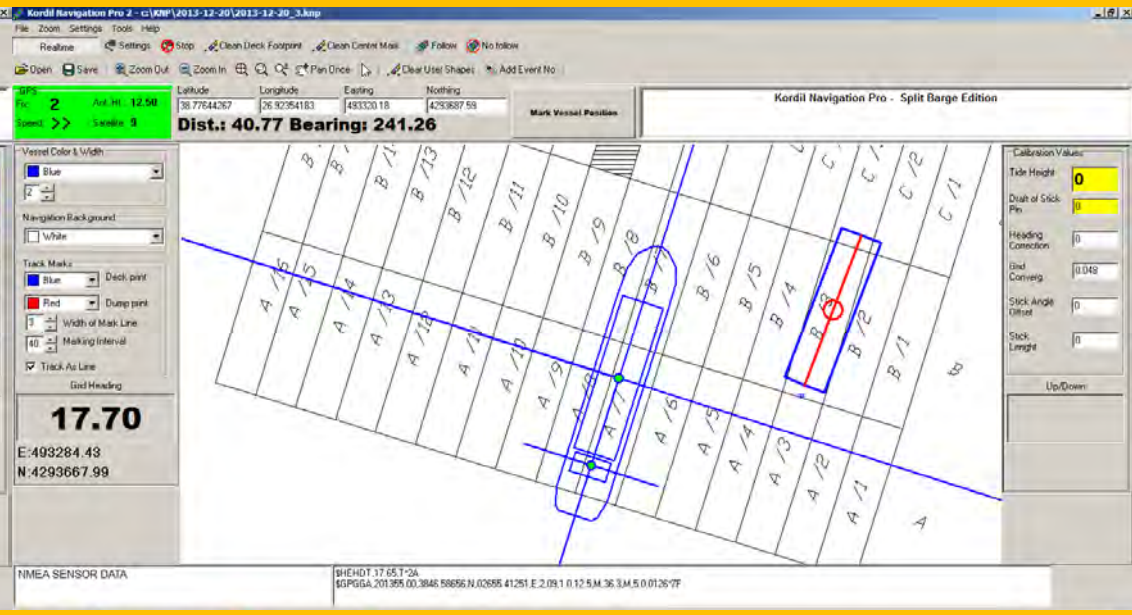
SPREADER / SPLIT BARGE EDITION





Features

Convenient for 24/7 operation

Precise positioning at planned operation fields, harbors and piping locations.

Positioning with specific reference points on barge

Kesintisiz, eş zamanlı hassas konumsal ve kazı kotu verisi

Supports AutoCAD®'s DXF format

Planning of disposal areas and scheduling dumping accordingly,

Helps with precise positioning and maneuvering of vessel

Dumping can carry on without requiring any extra survey operation.

A usual display for skippers, however an unusual precision and maneuvering capacity.

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