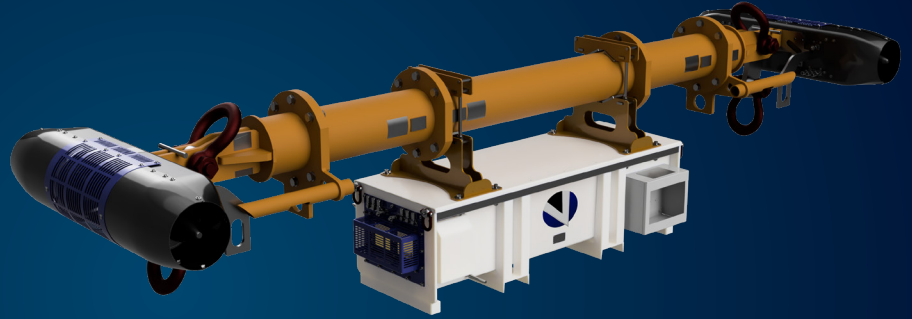


VITA LIFTING SYSTEM

LOAD NAVIGATOR



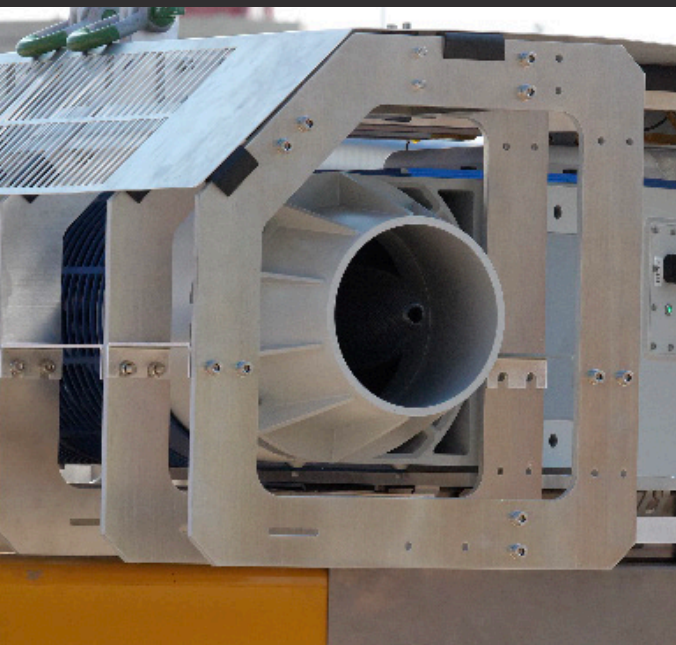
The Load Navigator is the heavy lifter of the Vita Lifting System technology family. It's a remotely-operated suspended load system that allows crane operation crews the precision control to orient their lifts without being in the critical vicinity of the load. The device dynamically adjusts to load sizes and wind conditions, allowing high-precision lifts in the most challenging environments. The ability to control a load varies depending on the mass moment of inertia of the load, surface area, and wind conditions. For example, a small cube-type modular load can be controlled in far higher winds than a load with a large surface area.

FEATURES

- Direct user controlled positioning
- Autonomous position hold function
- Dynamic wind resistance
- Continuous load calibration
- Ingress protection: IP 65 (untested)
- Wireless control pendant
- 15, 25, and 40 tonne configuration options

BENEFITS

- Position Hold Controller keeps the load stable in the pre-set orientation, despite wind or slewing impacts on the load
- Load control without taglines and/or where taglines are not possible/safe
- Allows crews to precisely orientate and place picks safely outside the critical fall zones
- Maintenance free outside of daily preparations





SPECIFICATIONS

WORKING LOAD LIMIT (WLL)

available in 15, 25, and 40 tonnes
(other configurations available upon request)

WEIGHT

15 tonne option: 1,957lbs / 887kg
25 tonne option: 2,200lbs / 998kg
40 tonne option: 2,635lbs / 1195kg
(unofficial weights) (configurable based on selected WLL)

OPERATING MODES

User Direct Control: *clockwise & counterclockwise*
Rotation Rates: *course trim = 3 deg/s • fine trim = 1.5 deg/s*
Autonomous Position Hold: *push-of-a-button locator that fixates a load's orientation with respect to the current world heading*

SYSTEM DIMENSIONS

12-14ft / 3.5-4.2m
(configurable based on selected WLL)

ENERGY CAPACITY

6.2 kWh rechargeable Lithium Iron Phosphate smart battery system

CHARGING TIME

4hr / 8hr
(single charge and dual charge options)

STANDARD CHARGING OPTIONS

110 / 120V AC
(charger output power: 60V, 15A)

CONTROL PENDANT RANGE

Up to 1,000ft / 305m

PENDANT COMMAND RESPONSE TIME

~0.25 seconds

POSITION HOLD MARGIN OF ERROR

+/- 2.5 degrees
(about the vertical axis in typical operations)

**BUILDING TECHNOLOGY
THAT BRINGS PEOPLE
HOME...EVERY TIME!**

To learn more about the
Vita Lifting System, visit our website at
www.vitatech.co

