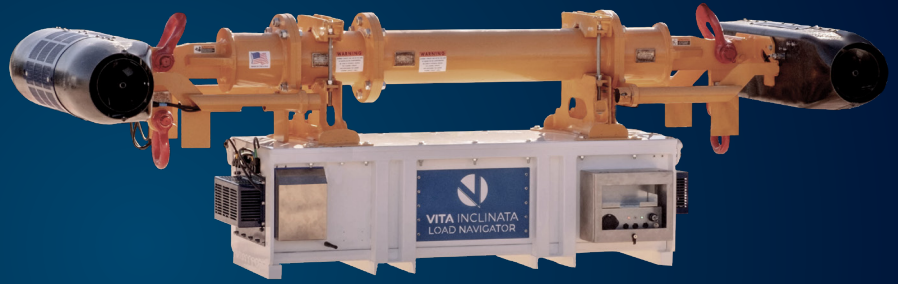


# VITA LOAD NAVIGATOR (VLN)



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 path of the load. The system dynamically adjusts to load sizes, crane movement, and wind conditions, allowing high-precision lifts in the most challenging environments.

## FEATURES

- Direct user-controlled positioning using a wireless control pendant
- Position Hold Function (see benefits)
- Dynamically adjusts to wind
- Continuous load calibration
- 20-50% increase to productivity depending upon load parameters
- Memory hold function (see benefits)
- 20 and 40 tonne configuration options

## BENEFITS

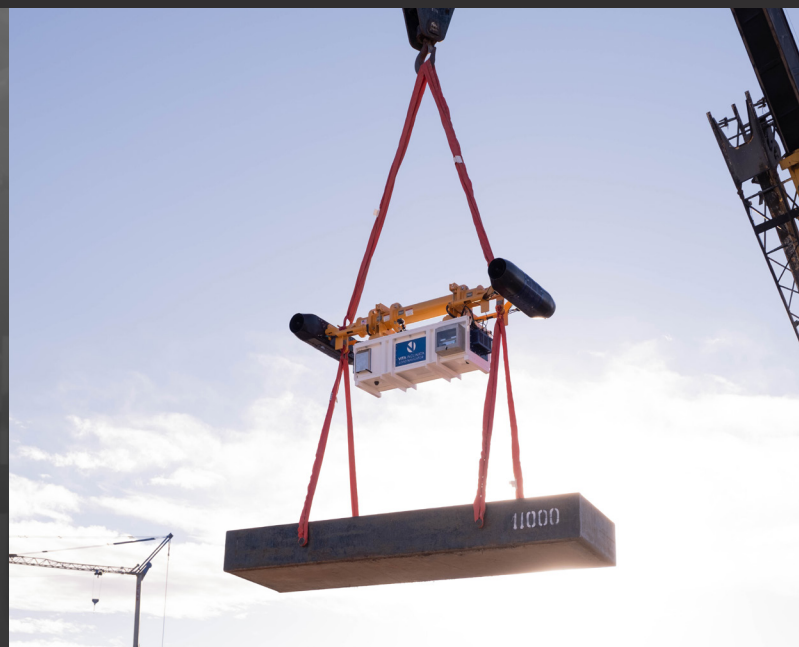
- Position Hold Function keeps the load stable in a pre-set orientation, despite wind or slewing impacts on the load
- Memory hold function records multiple set positions and switches between them with the press of a button for ease of duty cycles
- Control the load without taglines
- Precisely orient and place picks
- Less wind out days

**300%** Reduction to crane fatalities

**63.1%** Reduction to crane related injury

**30%** Increase to daily single crane utilization

Data from Mac safety, 12/29/21





## VITA LOAD NAVIGATOR FEATURES

Available Load Control Modes

Load Position Controller: Command a load's orientation within 1 degree increments. The VLN auto-holds the user's commanded position; dynamically resisting wind loading.

Available Power

Load Rotation Speed Controller: Quickly rotate loads clockwise or counter clockwise at preset speeds

6kWh. Up to 12 hours of use

Charging Options

110/120V or 208/220V

Charge Time

3 Hours at 220V  
6 Hours at 120V

Ingress Protection

IP65

Control Pendant Range  
(ft. nominal conditions)

UP TO 600 ft. / 182 m.

Wind Rating

30mph / 48kph

## STANDARD AVAILABLE CONFIGURATIONS

Spec/Feature: VLN-[Weight Rating, Tonnes]-[Length, ft.]

Spec/Feature	VLN-20T-7	VLN-20T-11	VLN-40T-7	VLN-40T-11	VLN-40T-15
Lift Capacity (Tonnes)	20	20	40	40	40
Available Torque (ft*lbs)	500	700	500	700	800
Nominal Inertia Rating (kg*m <sup>2</sup> )	130,000	175,000	130,000	175,000	200,000
Size (LxWxH) (in.)	121 x 46 x 37	170 x 46 x 37	121 x 46 x 37	170 x 46 x 37	220 x 46 x 37
Weight (lbs.)	1650	1900	1800	2100	2400

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

To learn more about the Vita Lifting System, visit our website at [www.vitatech.co](http://www.vitatech.co)

