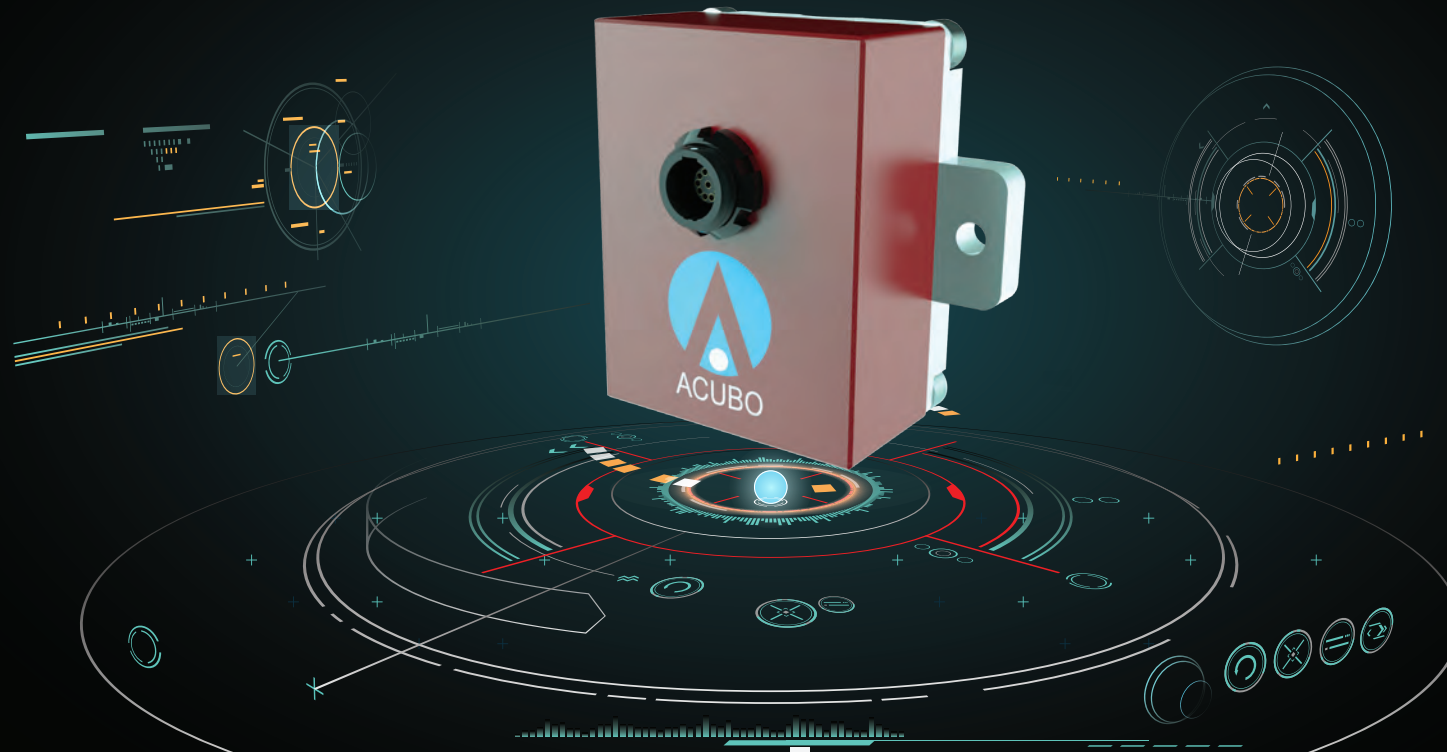


ACUBO



CLOSED-LOOP ANTI-SWAY SYSTEM FOR SECURELY HANDLING LOADS

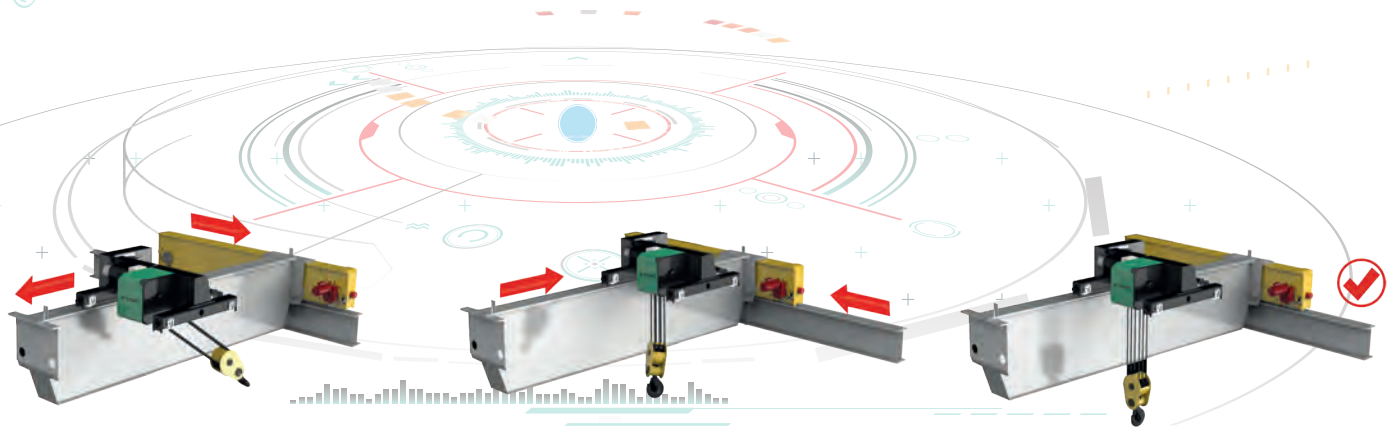
 **VINATI**
LIFTING TECHNOLOGIES

SAFELY HANDLE TRANSVERSE LOADS WITH THE ONLY PATENTED INERTIAL ANTI-SWAY PLATFORM IN THE WORLD



Acubo is a patented inertial anti-sway platform for automatic correction of sway while lifting and moving loads on overhead cranes. Acubo is designed for any workplace where swinging loads and improper lifting practices could put personnel and property at risk, or where there is a need to carefully maneuver loads, such as in automated cranes. Thanks to its advanced technology, Acubo can counteract sway and prevent it from occurring. Acubo can be installed as original equipment or as a retrofit.

ANTI-SWAY FUNCTION



The Acubo combines an accelerometer and gyroscope to accurately detect the acceleration and deceleration vectors that create potentially dangerous sway. There's no need for encoders, nor initial assumptions about how the load is picked up - the Acubo is a closed-loop system that can see the load itself. Acubo also offers a "Follow Me" feature, where the operator can actually move the hook and have the bridge and trolley follow; this is all possible thanks to Acubo working in real-time to keep the hook perpendicular to the load.

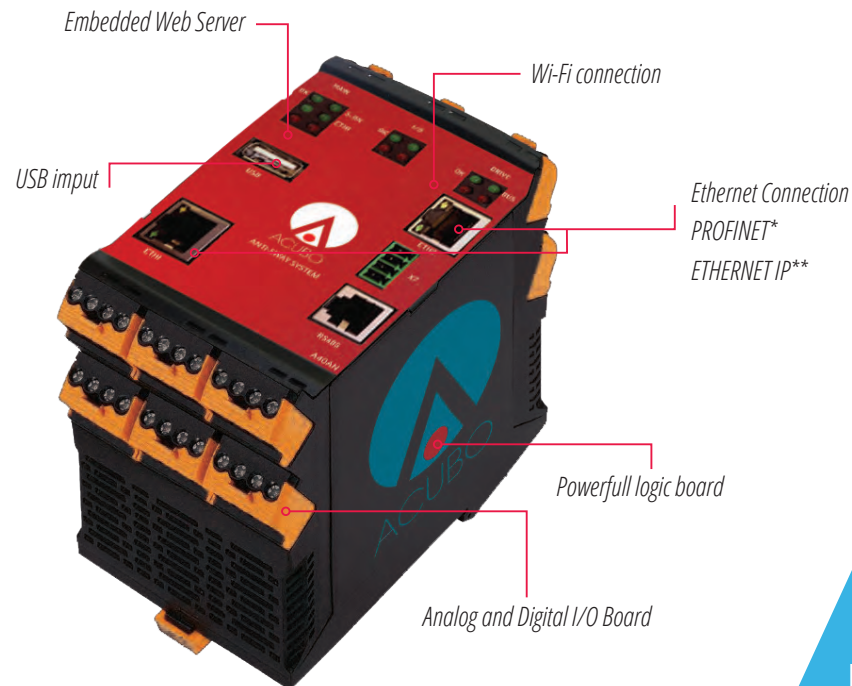
REMOTE CONTROL SOFTWARE

Acubo is not just an inertial sensor, but rather a complete control system manageable from both Ethernet and wireless connection. All the data from the inertial unit is stored on the controller, and the controller itself features programmable interfaces for input and output signals, such as push-button activation and drive controls. The Acubo is fully configurable via a standard network-ready interface. Acubo also features an algorithm that collects usage data, including time of use and weights lifted, extending the lifespan of the lifting system by upwards of 40% and increasing safety while reducing maintenance costs.



TECHNICAL SPECIFICATIONS

High range inertial platform specifications (-40°, +75° Celsius).



FIELDS OF USE

HEAVY INDUSTRY

- Steel plants •
- Foundries/forges •
- Aluminum plants •
- Mining Operations •

- NAVAL PORTS
- ECOLOGICAL PLANTS
- AUTOMOTIVE PLANTS
- PROCESS/AUTOMATION

'WHEREVER SECURITY IS A PRIORITY

*Model A40PN
**Model A40EN

ENGINEERED AND DEVELOPED ENTIRELY IN ITALY



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