



# Yale Reliant™

Take operator awareness  
to a new level



# Keeps operators in control and informed.

Yale Reliant proactively adjusts lift truck performance based on real-time conditions, dynamically adapting speed and fork control to maintain the combined stability of the lift truck and load. Yale Reliant continuously monitors the combined centre of gravity of the lift truck and load it carries to apply carefully measured performance adjustments to avoid abrupt shifts or jerks that can upset stability, while keeping the operator in control of the lift truck.



## **ADVANCED DYNAMIC STABILITY**

Continuously monitors truck and load status to adjust travel speed and smooth forklift and tilt movement to help maintain overall stability and minimise the potential for tip overs. Includes lateral and longitudinal stability, anti-load slip, lift/lower soft stops, mast lift/lower control, tilt/reach soft stop, and overload arrest.



## **OBJECT DETECTION (OD)**

Two-dimensional LiDAR sensors monitor and detect objects within the line of sight with forks trailing (e.g., sit-down counterbalanced truck travelling in reverse) including trucks, pedestrians, and other objects. Upon detection, the OD system adjusts lift truck performance utilising advanced traction and hydraulic controls to provide operators with additional time to react.



## **PROXIMITY DETECTION (PD)**

Utilizes ultra-wide band 360° technology to detect tagged equipment, facility areas, and pedestrians within close proximity. Upon detection, the PD system adjusts lift truck performance to provide operators with additional time to react.



## **REAL-TIME LOCATION SENSING (RTLS)**

Utilizes ultra-wide band technology to provide device-to-server connections to communicate with equipped trucks, zones, and pedestrians. Customised location-specific rules can be set to automatically limit lift truck performance when operating in specific areas of the facility.

# Common applications.

The best way to understand the value of an operator assist system like Yale Reliant™ is to see it in action. A suite of advanced technologies come together to enable a broad range of performance controls, tailored to the needs of warehouse operations.



**Overload arrest** to prevent lifting and carrying loads that exceed weight limits



**Adaptive speed controls** when cornering or when a load is raised or in unfavorable tilt positions



**Collision avoidance assist** by noticeably reducing the travel speed when obstacles are detected



**Line of sight support** to help reinforce operator awareness



**Location-based fork height restriction** to help avoid low-hanging beams or other obstacles



**End of aisle slowdown** when approaching the end of an aisle or intersection



**Speed control zones** helps reduce travel speed within designated areas in the facility



# About Yale

Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven robotics and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.

## Yale Lift Truck Technologies

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To learn more about Yale Reliant, contact your local dealer



**Safety:** All Yale products sold into EU countries, UK, and Turkey conform to the EU requirements of Machinery Directive 2006/42/EC and contain **CE** marking. Yale trucks sold into other countries may be ordered for production in conformance with Machinery Directive requirements, and when so ordered will contain **CE** marking. HYSTER-YALE UK LIMITED trading as Yale Lift Truck Technologies. Registered Address: Centennial House, Building 4.5, Frimley Business Park, Frimley, Surrey, GU16 7SG, United Kingdom. Registered in England and Wales. Company Registration Number: 02636775.

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**Notice:** Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual. Consult your Yale® Dealer if any of the information shown is critical to your application.



## MATERIALS HANDLING FOR:

Third-party logistics (3PL)

Auto parts distribution

Beverage

Cold & frozen foods

Food distribution

Food processing

Furniture & furnishings

Government

Health & pharma

Home centers & durables

Retail & e-commerce