# TURCK

# RFID
# FORKLIFT SYSTEM



## Smart Forklift Technology for Reliable Automated Product and Asset Tracking

From retail distribution center warehouses to manufacturing plants, it is vital to track inventory and assets using automatic identification technology. Modern forklifts equipped with RFID ensure reliable and up-to-date information. No matter if you are moving pallets of goods or a single high-value asset, a smart RFID system from Turck Vilant knows what the forklift is transporting at all times. And as the forklifts move through the warehouse or plant, movement from one hall to another can easily be tracked.

The Turck RFID Forklift System consists of the Turck Vilant Forklift Client software and an RFID reader cabinet, antennas and accessories – all delivered together to make it easy to fit the customer's application.

## Advantages of a Turck RFID Forklift System:

- Non-contact solution - reduces manual tasks, increases efficiency and eliminates human error

- Compatible with most forklift types

- Integrates into existing ERP, SAP and WMS for factory or enterprise monitoring

- Device independent software that can be run on multiple tablets, handhelds, readers and panel PCs

- Keeps record of all warehouse transfers made with forklifts

- Ensures accuracy with proprietary stray read filtration

- Logs all RFID asset movement for product or batch history

## Mobile Data Capture

The RFID Forklift System is a non-contact, automated asset tracking system mounted on an existing forklift. Turck RFID readers and 2 – 4 UHF antennas enable reliable tracking as the forklift moves throughout the facility. Proprietary software installed on each reader minimizes stray reads from assets not carried on the forks. Asset movement is communicated to the client's ERP as a forklift moves pallets of products or parts into a different location. Event data includes what the asset is, the new location, and a time stamp. These events can be queued if the forklift is out of Wi-Fi range and sent when reconnected. A system can be set up with multiple independent forklifts all communicating with the client's backend system.

## Faster and More Accurate

Using RFID offers automatic reading over large areas compared to manual, line-of-sight barcode solutions. Turck offers an RFID toolkit that generates a unique identity for a product or batch when it is manufactured. The item or lot is tracked each time it passes an RFID read point, such as onboard a forklift truck or when entering a specific warehouse. Using RFID speeds up the products' picking, finding, loading, and tracking. The system tracks all warehouse movements, helps fulfill legal obligations related to traceability, ensures shipment accuracy, and removes manual errors through automation.