

TLoad Terminal And Rack Automation



BENEFITS

- Precise control of terminal operations including quantities and inventory.
- Speeding up of the loading/unloading process.
- Driver only loading unmanned operations.
- Remote monitoring of active loads.

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INCLUDES HARDWARE AND SOFTWARE





01

Tload terminal automation solution

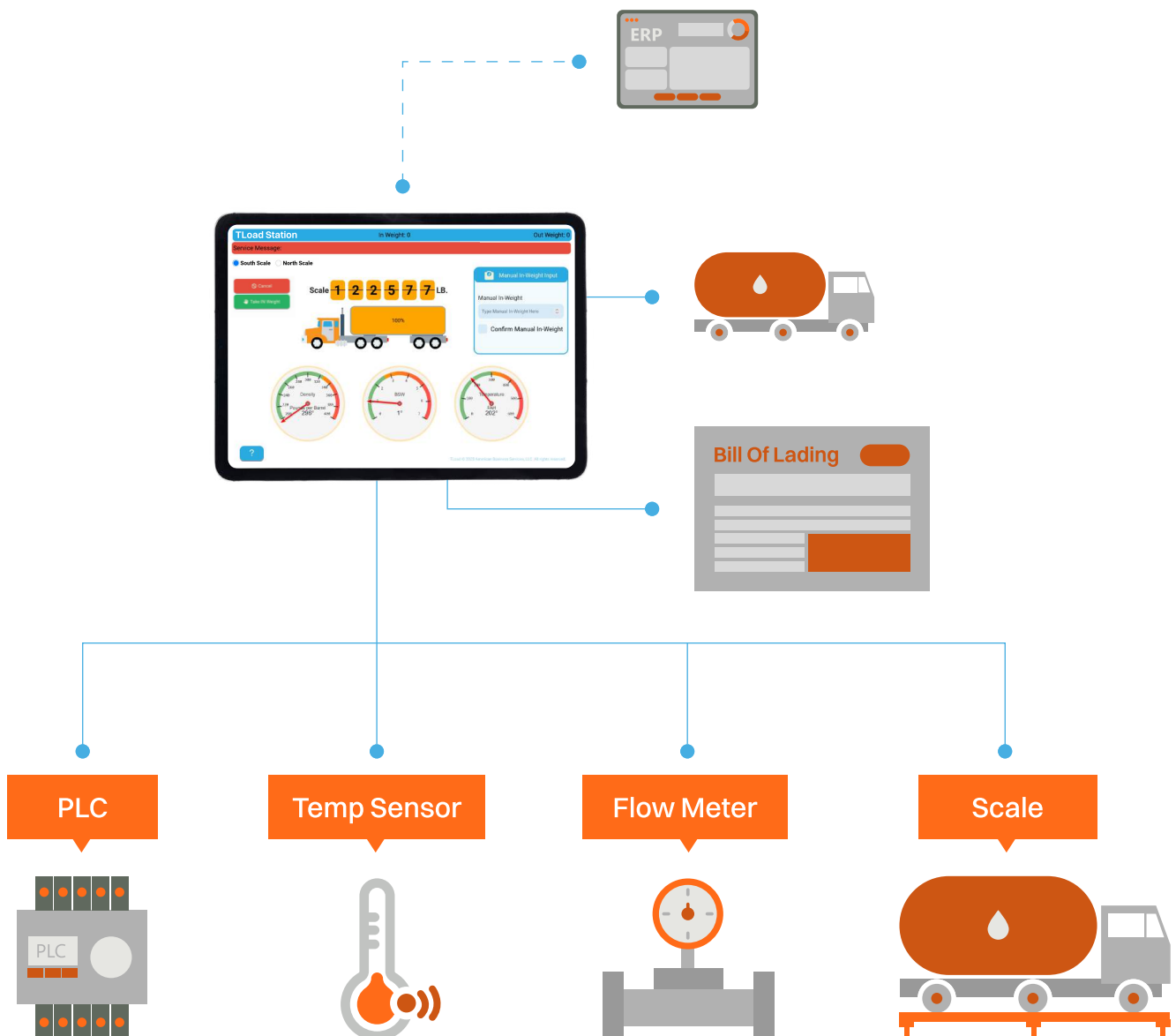
TLOAD is a comprehensive Terminal Automation System designed to capture and record quantity and volume data across custody transfer points.

• Features

- ✓ Captures quantity and volume measurements across custody-transfer points using scales and meters.
- ✓ Automatically generates all required documents, including Bills of Lading (BOL).
- ✓ Accurately monitors and accounts for all product movements.
- ✓ Communicates with field devices such as scales, meters, pumps, and PLCs.
- ✓ Seamlessly integrates with any ERP system.
- ✓ Supports customer allocations and can restrict lifting based on allocated or lifted quantities.
- ✓ Performs credit checks where applicable.
- ✓ Offers a customizable driver/loader touchscreen interface.
- ✓ Supports reversals, rebooks, and returns.
- ✓ Includes insurance and clearance processing.
- ✓ Provides tank inventory visibility and management.

TLoad Architecture

TLoad automates truck, railcar, and pipeline loading/unloading by capturing accurate meter and scale measurements, generating all required paperwork such as the BOL, and updating the ERP system. The process is fully configurable to each client's needs.





03

No matter the size of you operations

If you are a terminal owner or operator then Tload is the perfect solutions for all of your terminal and rack automation needs.

- TLoad is used to load and manage any product stored at a loading facility like:

- Refined Products.
- Crude Oil .
- Chemicals and Bulk Liquids.
- Asphalt.
- Solids like Mine Oars, Coal & Sulfur .
- Agricultural Bulk Products.



04

Tload utilizes the latest touch screen technology

To deliver a user-friendly interface designed for both drivers and terminal loaders.

The Interface Is Fully Customizable To Match The Specific Business Processes Of Each Terminal. The TLOAD Hardware Station (Touchscreen Unit) Is Installed At The Load Rack And Connects Directly To The Existing Automation Infrastructure.



- Tload is configured to suite your needs for each terminals in terms of the number of:

- Loading/Unloading process.
- Load Racks And Load Arms.
- Using Orders Or Via Driver Inputs
- Recipes And Blends.
- Connection To Meters, Scales & PLCs.
- Permissives.



- Tload supports the multiple movement scenarios including:



Outbound



Inbound



Returns

- Terminating and throughput is also supported and governed by the shipper

- **Unplanned Loading**

Where Driver Picks Customer And Product

- **Planned Loading (Order Based Loading)**

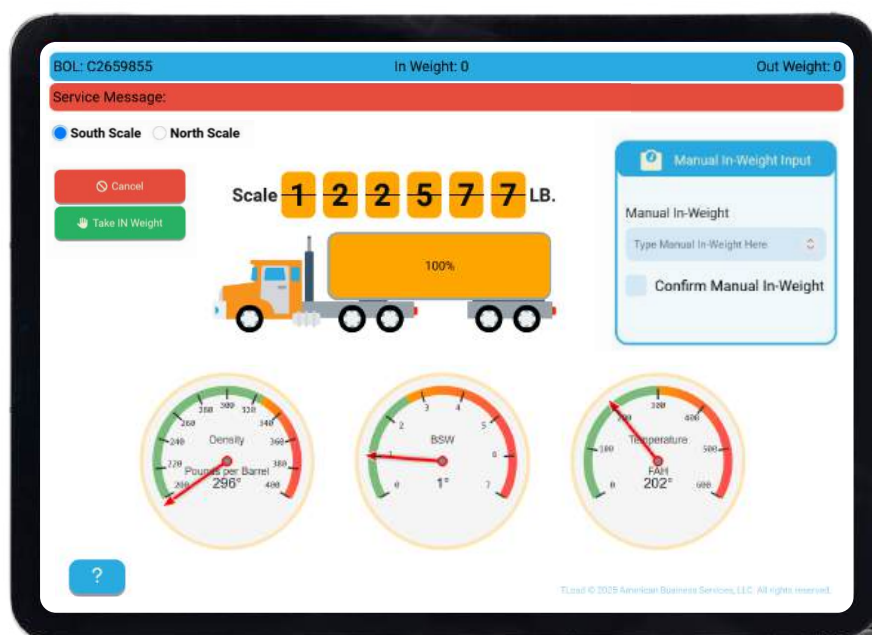
Where Driver Types An Order Number

- **Deal Based Loading**

Where Driver Types A Deal Number

TLoad stations are mounted at load racks near scales or meters

Drivers or operators interact with the TLOAD station through guided steps on the touchscreen to initiate the loading or unloading process. The system provides precise control over every stage of the operation, generates all required documentation, and updates the ERP system automatically. TLOAD can also produce invoices or receipts when needed.



06

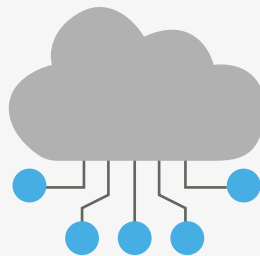
TLoad Integrates with any ERP System

in number of ways: REST, SOAP, Odata & FTP etc.

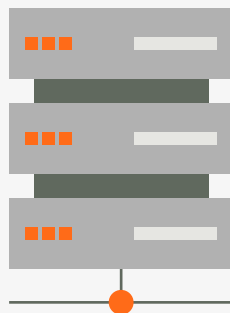
With regards to SAP TLoad offers seamless integration using Odata calls to create SAP document like sales order and deliveries.

- TLoad can be Deployed in 2 Ways:

Cloud Hosted
Solution



Local Server Install





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