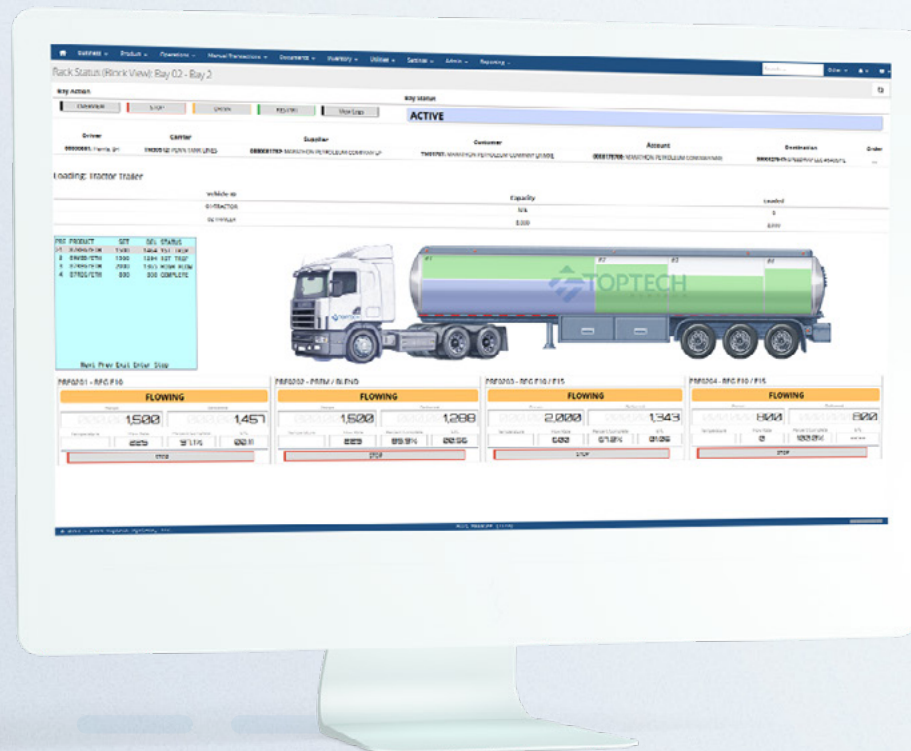


TERMINAL MANAGEMENT SOLUTION

TMS7

TMS7 is a user-friendly terminal management hub that provides load rack visibility and control. With nearly 30 years in the market, Toptech's TMS is globally known for its reliability and flexibility and TMS7, the latest version of TMS, furthers this reputation with even more productivity and controls.





SUPPORTING THE ENTIRE SUPPLY CHAIN: FACILITY OWNER - SUPPLIER - CUSTOMER - DRIVER

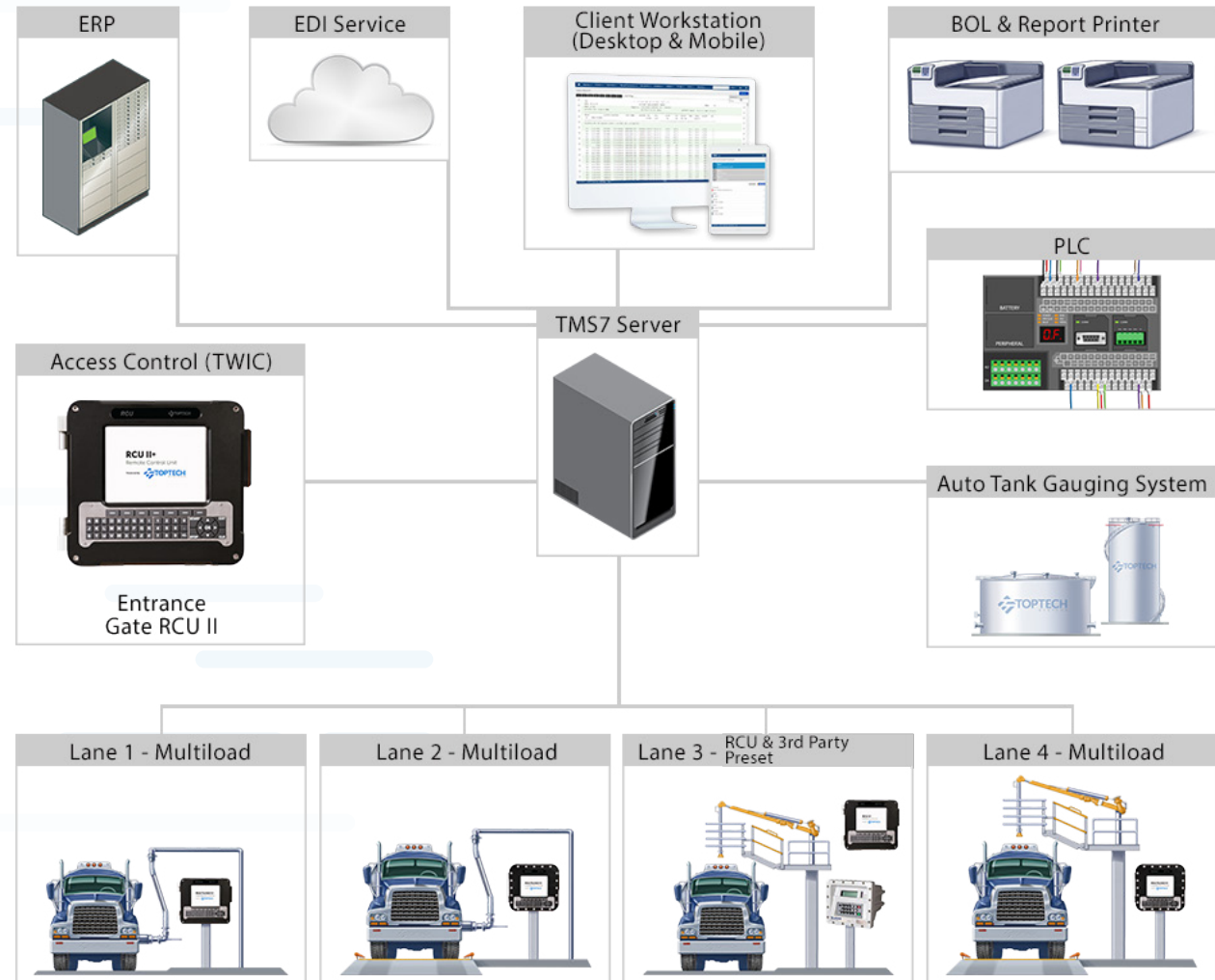
Toptech Systems ensures the entire supply chain benefits from using our powerful suite of hardware and software solutions.

A POWERFUL TERMINAL MANAGEMENT SYSTEM

TMS7 is a user-friendly terminal management hub that provides load rack visibility and control. With over 30 years in the market, Toptech's TMS is globally known for its reliability and flexibility and TMS7 furthers this reputation with even more productivity and controls.

Use TMS7 to view the status of all load racks, BOL print stations, driver staging areas, load bays, and more. The TMS7 virtual environment runs on a Linux platform which can be customer managed or housed on a Toptech provided server. The relational database allows seamless integration with various hardware equipment.

With a focus on allowing users to access information more efficiently than ever, TMS7 is almost like having an assistant.



INTUITIVE

The TMS7 user interface is fast and intuitive, with better search capabilities, bulk changes, multifunctional pages, and more. Enjoy user-oriented troubleshooting and trace logs. Take advantage of easy-to-use wizards that help quickly create transactions and setup data. Plus, easily translate TMS7 into any language with the built-in language processor.

Web Based Application

- Supports all modern web browsers
- Use your preferred devices
- No client or dedicated workstations needed
- Fast, painless deployment

Search Engine Functionality

You don't even need to use the menu bar to quickly reach what you need. Search the entire system and immediately get relevant results.

POWERFUL

Use TMS7 to view the status of all load racks, BOL print stations, driver staging areas, load bays, and more. Use powerful features like Smartlinks throughout the site to quickly access key information; edit all your Master File Data from one page; and enjoy a faster more streamlined End of Day process.

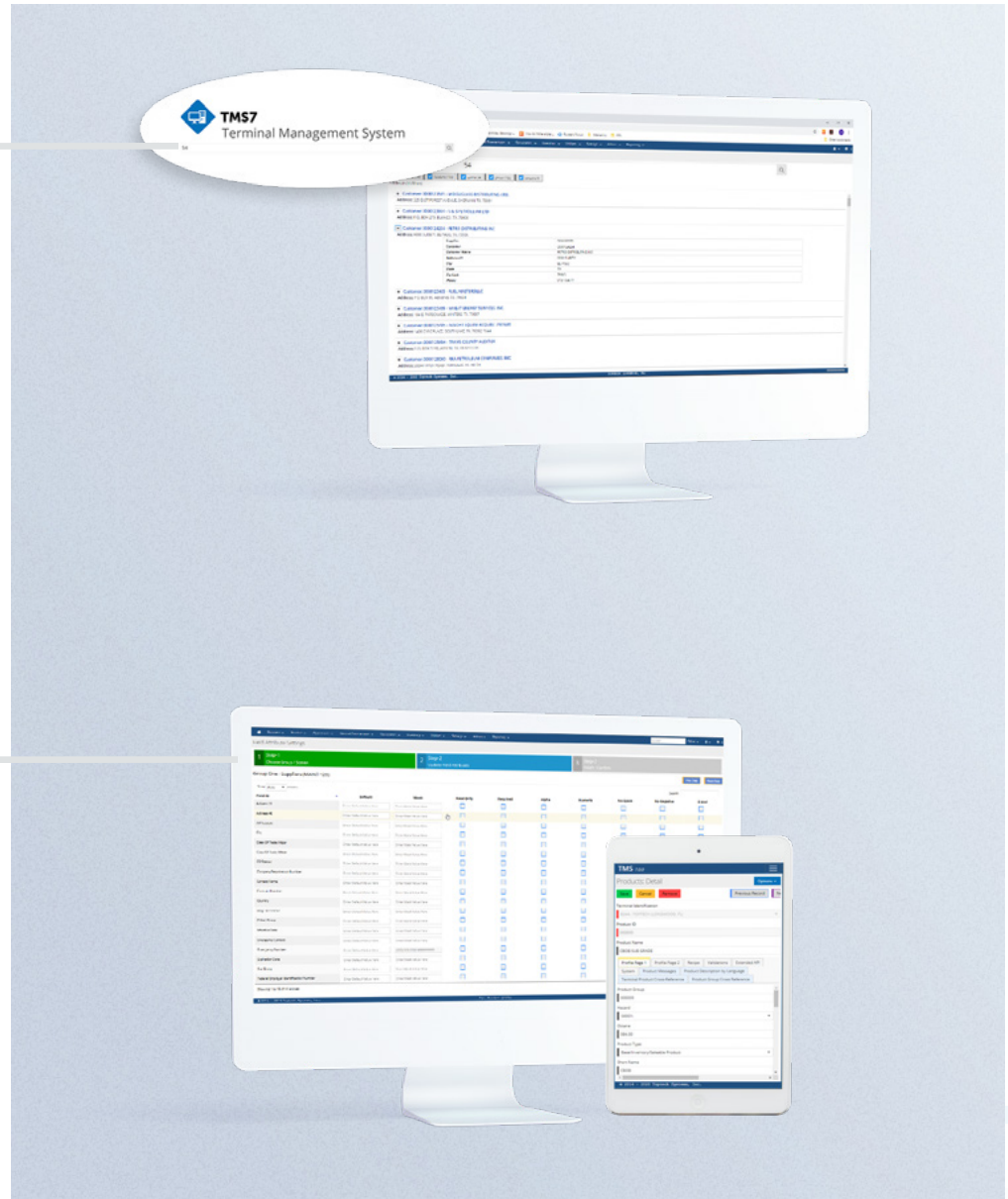
Customizable Field Validations

With the click of a button, admins can edit the validations of a field. Use TMS7's field validations to edit nearly every field to be read only, required, alpha, numeric, have a default value, and more.

Fast, Easy Upgrades

With TMS7, eliminate plans for lengthy outages or infrequent updates. Instead, enjoy fast, easy upgrades which reduce upgrade time for all releases to less than 5 minutes! This allows you to experience small, incremental changes rather than major service releases.

Log in, view Suppliers, search for an Account, and edit Carriers, Drivers, Vehicles, and Destinations 50% faster than in other TAS systems.



RELIABLE

PEACE OF MIND

- IT organizations enjoy the flexibility to choose the operating system of their choice with separation from the OS and the application
- Enjoy the freedom to use any hardware you want
- Experience high availability via hypervisor-level mirroring for a fully redundant environment.

DISASTER RECOVERY

In the event of a disaster that requires system recovery, TMS7 offers a stress-free solution in an otherwise stressful time. With no complex file movement procedures and no need for like-for-like hardware, TMS7 can be back up and running in as little as 30 minutes. You won't even need to call Toptech support.

SOX COMPLATIBLE

Store audit logs for configurable amounts of time and use record updates, including before and after data, for pain free audits. Support role-based segregation of duties within the client. Use trace logs to find date/times of critical events. Track user and driver operations. Plus, use the operator interface to search system logs for events.

SECURE

OS LICENSING & CYBER SECURITY COMPLIANCE

Get OS packages completely independent of Toptech, including simplified security patches. Use the Cyber Security Compliance service to more efficiently protect against Linux vulnerabilities. Enjoy OS licensing entirely within your IT's control. Toptech will continue to confirm patches that address critical issues.

AUDIT LOGS

Audit logs with highlighted changes make it easy to troubleshoot and quickly detect the source of a problem. Plus, TMS7 allows users to view change history without ever leaving the record. Simply click "Record Change History" from that page to view what changes were made and who made them.

USER-ACCESS CONTROL

Strict user-access controls with Active Directory™ make it easy to prevent tampering. Manage all users through your corporate security policy with no IT or network changes. Create user profiles and user groups with extensive role management options to control who can read, create, delete, or execute records system-wide or on a screen-to-screen basis.

PERIODIC PENETRATION & VULNERABILITY TESTING

Before each release, Toptech protects against threats like SQL injection by routinely targeting soft spots and mimicking hacker behavior.





FACILITY STATUS AND CONTROL

View the real-time status of:

- Loading / offloading bays and arms (trucks, railcars, pipelines, barges)
- BOL print stations
- Gates
- Weigh scales
- Driver staging areas
- Preset amounts
- Delivered amounts
- Flow rates
- Temperatures
- Percent complete of loading
- Master Data (driver, carrier, supplier, customer, account, destination)
- Products and additives
- Vehicles
- Order numbers
- And more

The operator can:

- Take control of the preset for remote troubleshooting
- Start, stop, disable, enable, and drain any bay, preset, or meter
- View and clear preset alarms and additive injection alarms
- View real-time loading for any bay
- View data entered by the driver and the current loaded quantity for each meter
- View event logs for a particular lane via pushbutton control
- View and control Multiload II and RCU II screens for remote troubleshooting
- Perform lockout checks on driver, customer, account, stockholder, carrier, and vehicle
- Perform time of day and day of week checks on driver and carrier access
- Perform credit flag checks on account and customer

All activity can be accessed from any workstation and remotely. Any actions performed are recorded in the Event Log.



GATE CONTROL

TMS7 seamlessly interfaces with RCU II+, a driver/operator interface to control entrance and exit gates and log activity. Toptech's TMS can support customized prompts via the RCU to validate information like driver number, truck number, order number and other critical data in the driver's native language. Custom messages can also be displayed by carrier or individual driver. Optionally, combine TMS7 and RCU II+ with Toptech's fingerprint reader for increased security. In addition, each customer record can be configured to have a start and end date to ensure drivers can only load during a specific time period.

Entrance Gate:

- Driver lock out (time of day, day of week, global)
- Carrier lock out (time of day, day of week, global)
- Card passback protection (no entry if already in the facility)

Exit Gate:

- Log/warning if driver exits without printing BOL



RCU II+ Ex



RCU II+ Division 2



Multiload II+ Ex



Multiload II+ Division 2

LEADING LOAD RACK CONTROL

TMS7 seamlessly integrates with Multiload II+, the only preset that can boast nearly limitless flexibility (custom logic), extended use (external expansion), and easy breezy maintenance (replace FCMs without even turning a screwdriver. Multiload II+ supports alternative fueling applications and delivers straight product or multi-product recipes using ratio, sequential, and various hybrid blending methods.

Multiload II+ units have internal FCM mounting to support nearly any single or double arm configuration. If more I/O points are needed, Multiload II+ even allows external FCMs to avoid purchasing more blenders, smart injectors, presets or PLCs. Plus, hinge-mounted internal components and additional cable glands make it easy to perform maintenance within your units.

In addition, enjoy free firmware upgrades and rigorous security, with SSL encryption and the ability to have multiple security accounts and levels.

TMS7 also interfaces to several 3rd party presets, PLCs, additive injectors, mechanical injectors, and more.



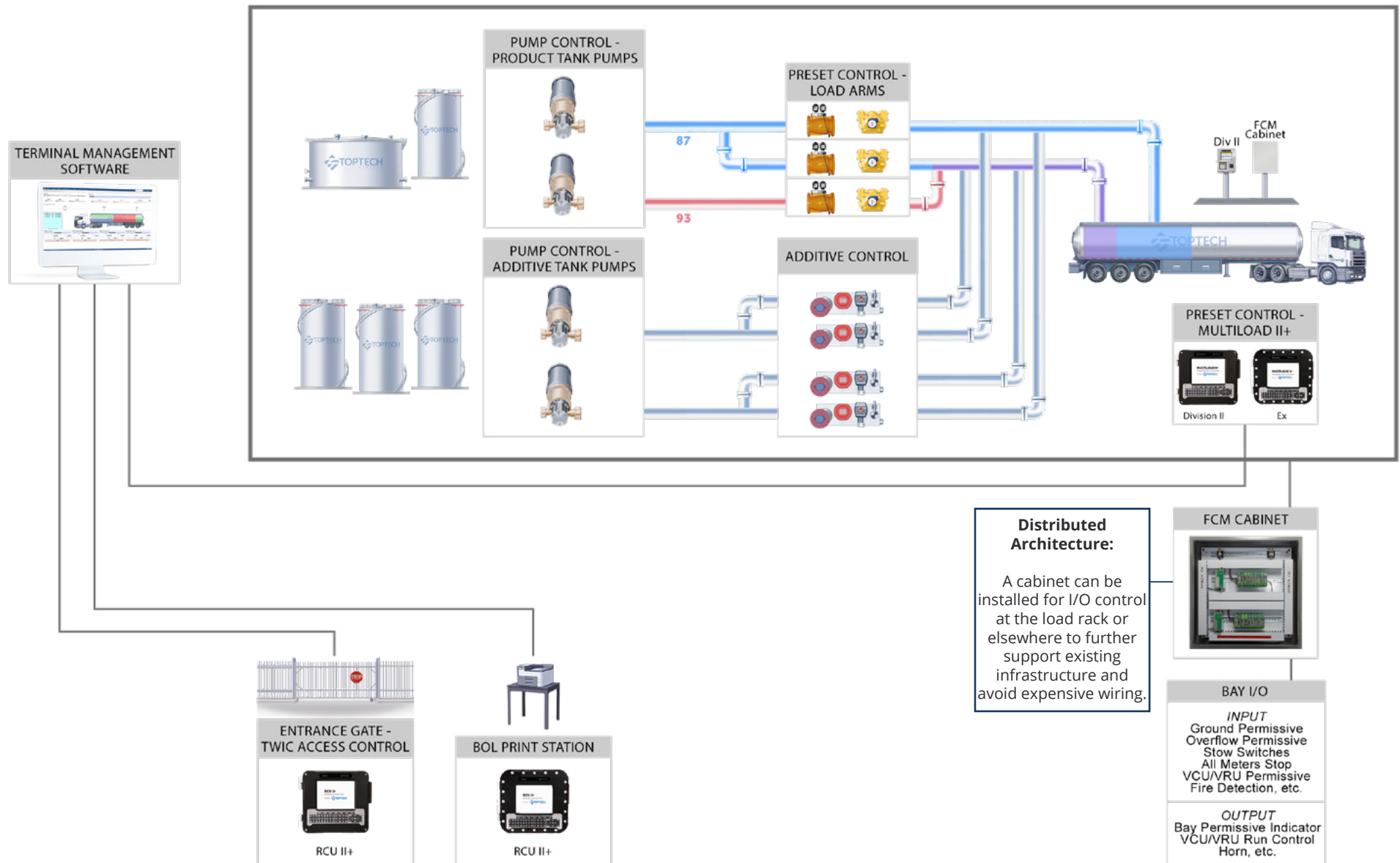
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TMS7

TERMINAL MAP



INCREASE FACILITY EFFICIENCY

BOL REQUEST STATION

TMS7 supports optional Bill of Lading (BOL) Request Stations for driver control of BOL printing. By presenting their card to an RCU at the BOL printer, the driver can print (or reprint) the BOL for their completed load(s) from the load rack. Other features include:

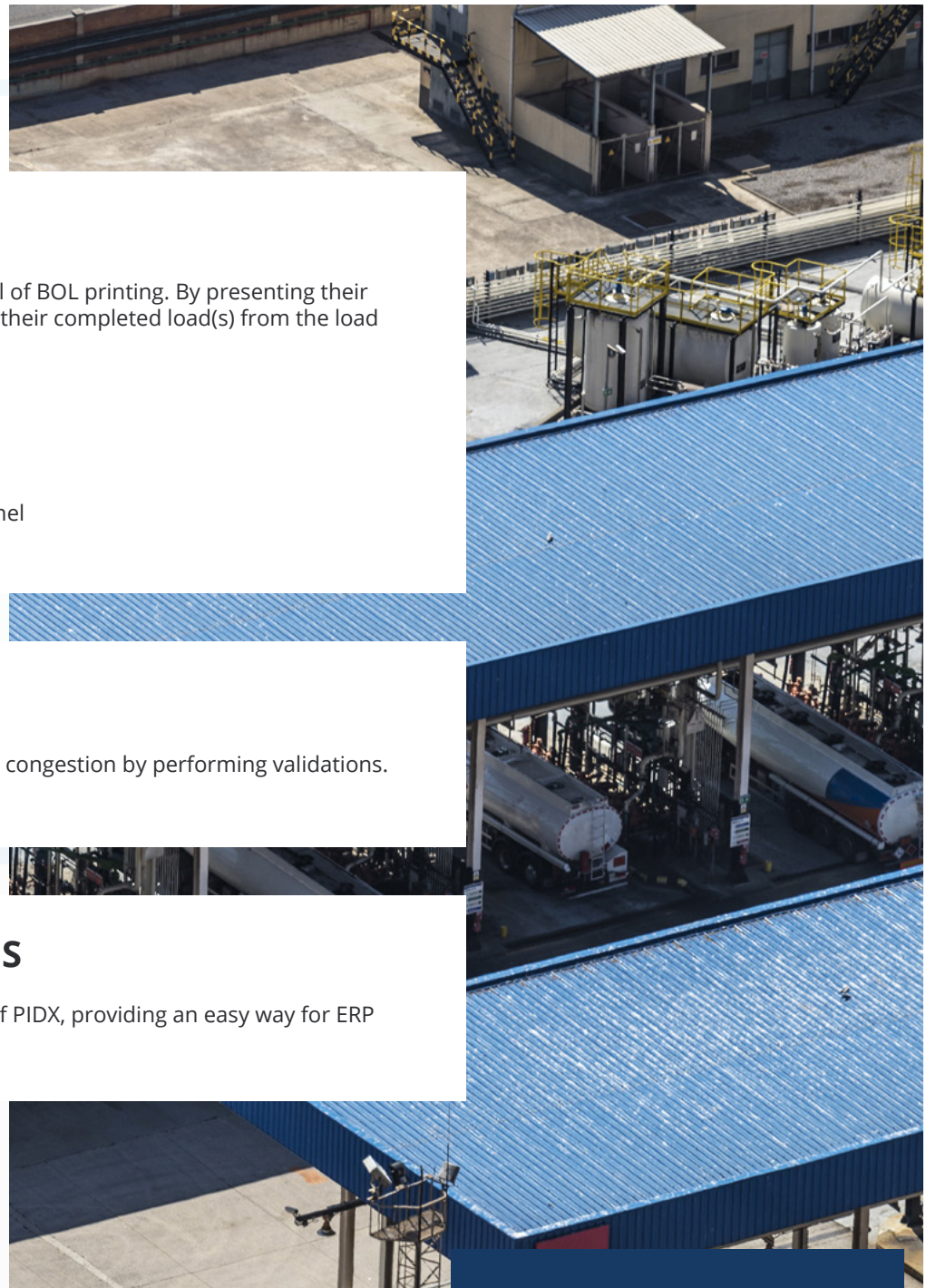
- Driver-requested BOLs from the load rack
- Driver re-print of original BOL
- Logged messages
- Notification of driver exiting without requesting a BOL
- Auto-print of unrequested BOLs after user-defined timeout
- Un-requested BOLs may be re-routed to another printer by office personnel
- Multiple BOL Request Stations supported

STAGING AREA

TMS7 supports an optional staging area for driver entry of rack orders to ease congestion by performing validations. The staging area can include a RCU II+ and fingerprint reader.

INDUSTRY STANDARD EXTERNAL INTERFACES

Supports external interfaces using industry standards like all major versions of PIDX, providing an easy way for ERP systems to integrate transactions of Master Data.





ALLOCATION MANAGEMENT

TMS7 includes very powerful and flexible allocation management tools. These tools can be used to control the volume and types of products that can be lifted at a terminal and who can lift them.

FEATURES INCLUDE:

Allocation by Supplier, Customer, and Account

You have the ability to allocate each Supplier; each Supplier can then allocate each of their Customers; each Customer can then allocate each of their Accounts by product or product group.

Allocation by Class of Trade

Suppliers, Customers, and Accounts can be grouped into Classes of Trade with each Class of Trade having its own allocation records.

Allocation by Time Periods

TMS7 supports 4 separate time periods for establishing allocation records; daily, period, monthly, and yearly. Period allocations can be configured to renew each new month if desired.

Allocation Warnings/Denials

Load warning and denial percentages can be established for each allocation record. Load warnings can be configured to initiate a driver message or send a e-mail notification to the appropriate locations.

Allocation Renewal Rules

For each time period in an allocation record, there are a series of renewal rules that can be established. These renewal rules will remain in effect as long as the Allocation Expiration Date has not passed.

Allocation Screen

TMS7 incorporates an Allocation Screen, enabling the TMS7 user to quickly view and manage all allocation records.



CRITICAL REPORTS AND DATABASE LISTINGS

Use standard reports to track load rack activity by account, carrier, product, or meter. Custom reports can also be added within the menu.

With over 100 reports in the system, customers can easily manage their data. Here are a few of the commonly used reports.

Daily Reports Include:

- Meter Balancing
- Terminal Balancing
- Additive VAR and Balancing
- Tank Balancing
- Bulk Stock Report
- Stock Summary

Database Listings Include:

- Stockholder
- Customer

- Account
- Carrier
- Driver
- Vehicle
- Product
- Order
- User

Transaction Reports Include:

- Rack Activity
- Account Activity
- Meter Detail

- Carrier Activity
- Shipping Report
- Product Activity

Allocations Reports Include:

- Shipper Allocations Summary
- Customer Allocations Summary
- Lifting vs. Allocations (detail and summary)
- General Allocations

Custom reports are also an option

ACCOUNT FOR EVERY DROP OF PRODUCT

Account for every drop of product by taking control of product movements into and out of your facility.

Stock

Comingled stock, distribution of water in the tanks, disposal of stock, gain/loss product management, gain/loss additive management, and track VRU (vapor recovery unit volumes).

Tank Gauging

Toptech's Tank Gauging option provides tank monitoring capability within TMS7.

Tank Gauging can be integrated with the Toptech TMS7 Stock Management system, tank strapping tables, and tank gauge entry. Automatic gauge entries can be acquired by the system at convenient, daily cut-off times (folio freeze). Of course, TMS7 supports full manual entry and modification of gauge entries, tank strapping tables, and tank configuration.

TMS7 Tank Gauging supports a variety of protocol links to a number of intelligent tank gauging systems, as well as interfacing directly to 4-20 mA level transmitters and temperature probes.

Tank levels, temperatures, and product quantities are available for display on the Tank View status screen. Data is monitored at configurable intervals. High/Low warnings/alarms may be set for each tank.

Inventory Management

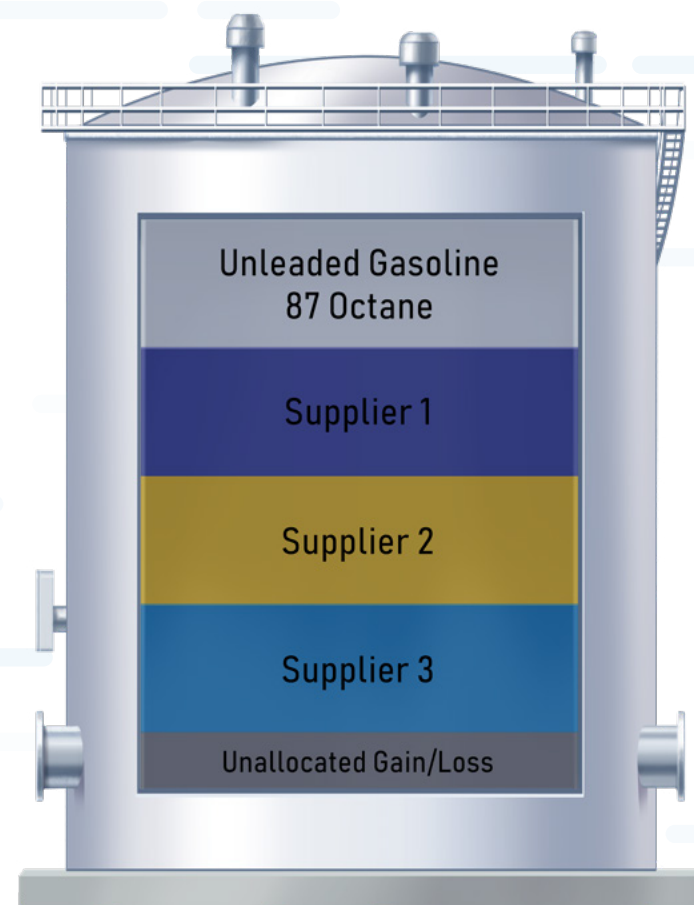
TMS7's stock accounting module provides features for comingled inventory management of product owned by multiple stockholders using combined storage. For bulk manual transactions, inbound and outbound tank gauge levels can be automatically tracked for product quantity, reducing manual labor and error. Data entry screens are provided for manual entry of all bulk and non-bulk product movement transactions as well.

These include:

- Bulk receipts
- Bulk deliveries (disposals)
- Product transfers
- Stock adjustments
- Product regrading / rebranding
- Comingled stock
- Product returns
- And many more

Measurements

Supports metered, off-scale and on-scale measurements for trucks, rail, barge, and pipeline. Also supports virtual meters and the latest API tables.



UNPRECEDENTED PEACE OF MIND

SAFETY MONITORING

Monitor:

- ESD status
- Grounding systems
- Overfill systems
- VRU/VCU
- Driver safety violations
- Stow switches

Utilize configurable Load Start Timeout, Pump Run Timeout, and Load Completion Timeout. Plus, monitor critical alarms for bays, presets and meters from one place.

PRECONFIGURED LOCKOUT TIMES

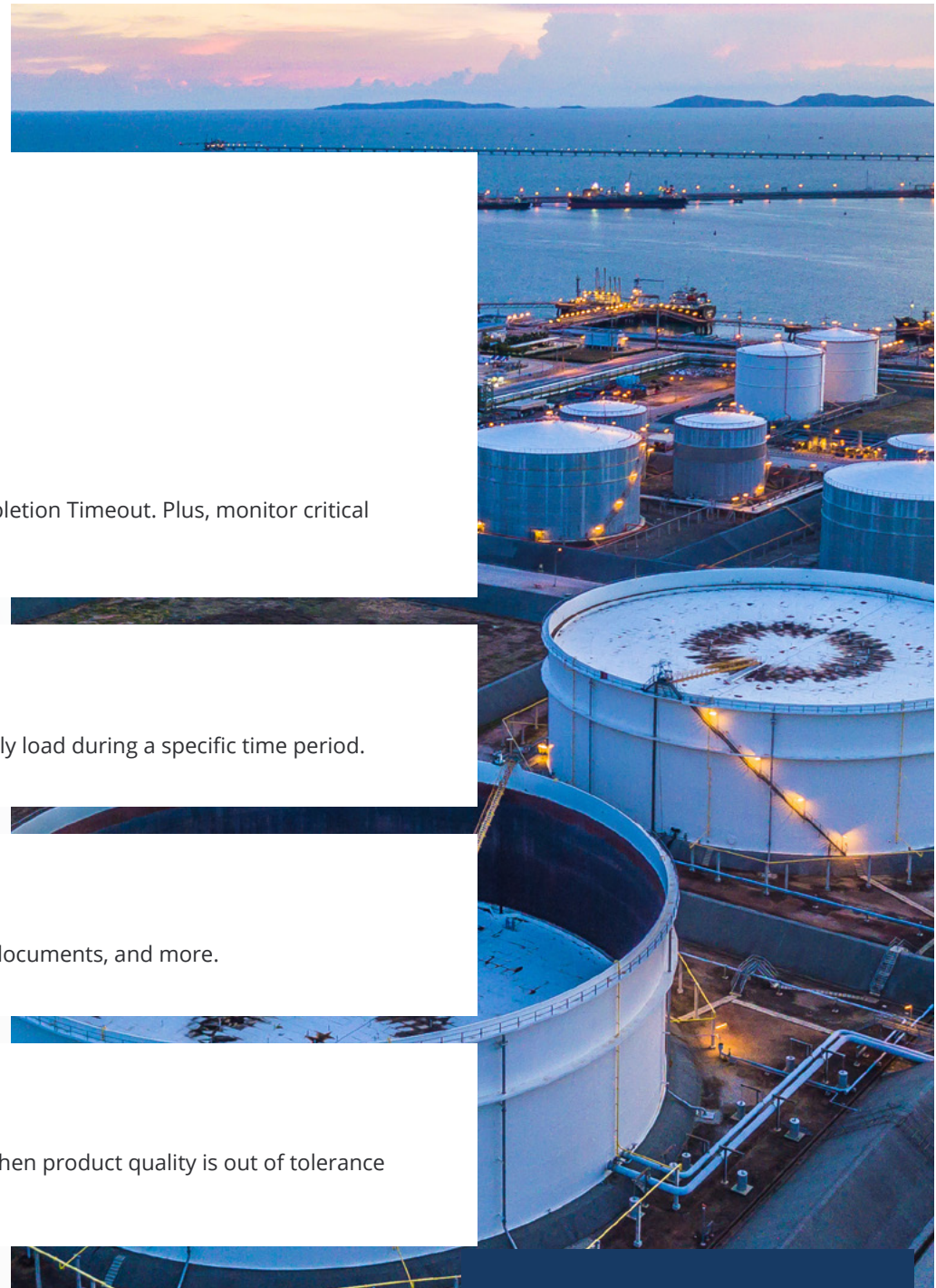
Configure each record to have a start and end date to ensure drivers can only load during a specific time period.

CUSTOMIZED DOCUMENTS

Supports customized loading documents, such as BOLs, COAs, pre-loading documents, and more.

PRODUCT QUALITY MONITORING

Prevent drivers from leaving the facility and send a notice to stakeholders when product quality is out of tolerance so operators can correct the load.



SEAMLESS TRANSFER OF DATA TO AND FROM YOUR TERMINALS

Web Portal Integration

TMS7 seamlessly integrates with Load2day, an innovative self-serve data maintenance model for your customers. Load2day reduces the cycle time to onboard new customers and dramatically improves relationship and data management between suppliers and their customers through improved customer service, customer empowerment, and reduction of manual processes.

Business Intelligence Integration

Integrate with Synetics to receive detailed facility and multi-terminal analytics for finding and preventing operational inefficiencies.

Data Warehouse Integration

Connect to TDS and 3rd party solutions for lifting controls and sending transaction information to customers and carriers.

EDI Management

Provide your customers and their customers easy access to transaction information

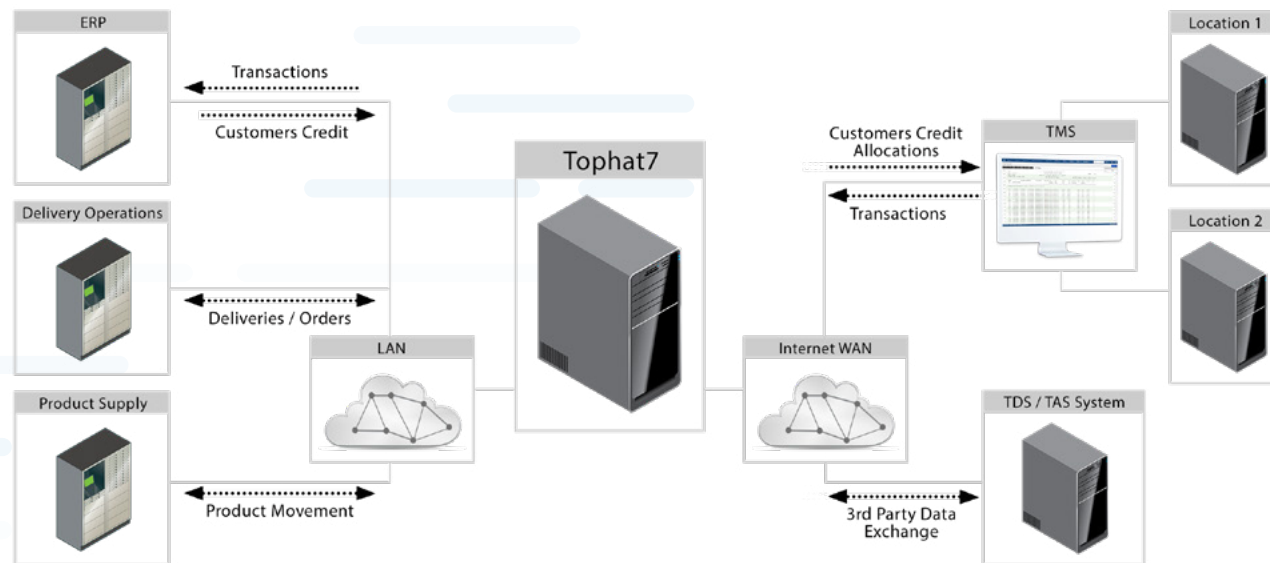
Rail Integration

Integrate with 3rd party applications for railcar tracking and load control.

Centralized Portfolio Management

Connect your TMS7 systems to Tophat7, a centralized solution for companies that own multiple terminals. It handles complex data translation and routing requirements between terminal sites and the corporate back-office. Tophat7 also serves as a Data Warehouse, Allocations Management, and Dispatched Order Management solution. Tophat is designed to fit easily into your corporate IT strategy, providing the ideal location for data queries and reporting to benefit functions throughout the organization.

Tophat7 aggregates data from multiple terminal management systems into one centralized system, making it possible for business owners to manage all aspects of their business (including crude skids and bulk plants) from one location.



GLOBAL SOLUTIONS FROM LOAD RACK TO BACK OFFICE

