

Toptech BPA

BULK PLANT AUTOMATION

UNLOCK THE POTENTIAL OF YOUR FACILITY



ARCHIVE TRANSACTION DATA
REMOTE ACCESS TO INVENTORY LEVELS
AUTOMATIC BOL PRINTING
ACCESS CONTROL AND SECURITY
STREAMLINED PRODUCT LOADING



Experience the Toptech Difference

Since 1988, Toptech Systems has experienced tremendous growth and is considered one of the world's premier providers of terminal automation solutions.

Toptech has used this expertise and customer-centric focus to create an automation product (BPA Bulk Plant Automation) that is scaled to address the specific needs of bulk plant operations. BPA is designed to give bulk plant operators the same level of control terminal operators have enjoyed for many years. Toptech has designed this system to provide valuable features to increase efficiency, maximize revenue, virtually eliminate billing errors, and ultimately makes the choice to automate one that will **provide the greatest long term value** when compared to other equipment purchases or even other automation systems.

BPA is built on the same core technology as TMS6; this technology has been proven in the most rigorous and demanding environments. A selection of Toptech BPA, allows bulk plant owners and operators to rest assured their facility is automated with proven technology that is designed to be both simple and flexible.

Connect with your Facility

BPA is designed to provide unprecedented tools for facility control and visibility. Features including **Inventory Management, Load Rack Control, Automatic BOL Generation and a comprehensive Reporting Suite**, provide bulk plant operators tools to efficiently manage their operations.

Gain Control and Visibility over Product Transactions

BPA **eliminates the need for hand written BOLs** and provides an **electronic archive of all transaction data**. Hand written BOLs are problematic for a number of reasons; they can be difficult to read, they can be lost and they can be inaccurately entered into an accounting/billing system. With the rising cost of fuels it has become increasingly important for any facility to account for every gallon of product and accurately invoice against these product movements.

Gain Control of your Inventory

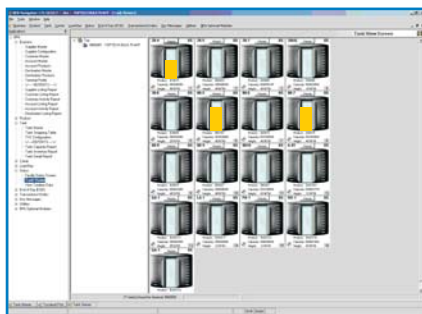
BPA provides operators with **real-time views of current inventory levels on-site or from any remote location**, using a Windows PC and Internet connection. A plant operator has real-time information to make better inbound product scheduling decisions and virtually eliminate the likelihood of costly lost throughput due to product outages.

For sites featuring Automatic Tank Gauges (ATG), BPA is designed to interface with the industry's popular devices. Sites that do not utilize ATG have the ability to view "virtual" product balances and reconcile these balances against actual tank levels.

Designed to Grow with your Operations

BPA is easily upgradable to include other tools to manage your business more efficiently. These tools include **Allocation Control, Commingled Stock Accounting, Access Control and Security and Credit Control**. These modules are available as part of the initial system installation or as add-ons if your operational requirements become more complex.

BPA Features



Inventory Management:

Toptech BPA provides the capability to view tank levels from a simple and intuitive graphical screen. From this single screen an operator has access to scan the entire tank farm to quickly view inventory levels.

Automatic Tank Gauge (ATG) Interface - Up to 4 ATG Devices:

For facilities using ATG devices, BPA has you covered. Actual 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.

Reporting Suite:

A comprehensive reporting suite is provided as part of the BPA system.

Load Rack Control:

BPA is designed to seamlessly integrate with the load rack environment. When Toptech MultiLoad II products are used at the load rack, all transaction data flows directly to BPA. If another manufacturer's presets are used at the rack a Toptech RCU II may be utilized as a "common preset interface" to serve as a link between the load rack and the automation system.



Toptech MultiLoad II

Order-based Loading:

BPA provides a simple data entry screen which allows plant operators to enter scheduled load rack pickups. After an order is entered into the system, the driver can simply enter in the order number at the MultiLoad II and loading will automatically preset to the scheduled order.

Email & Fax Support:

The system supports the ability to both fax and email reports directly from the BPA interface.

Multi-user Support (3 Users):

Three users may access the system at the same time either from a corporate LAN or remote locations equipped with an internet connection.

Optional Features

Automatic Tank Gauge (ATG) Interface - 5 or more ATG Devices:

For more intensive applications, BPA can be configured to support 5 or more ATG interfaces.

Allocation Management:

For tighter control over inventory, BPA features an add-on module to allow for allocation limits.

Commingled Stock:

This flexible accounting module allows for multiple entities to own product in the same tank.

Credit Control:

Ensure exchange partners that pose a credit risk can't have the ability make a run on product at your facility.

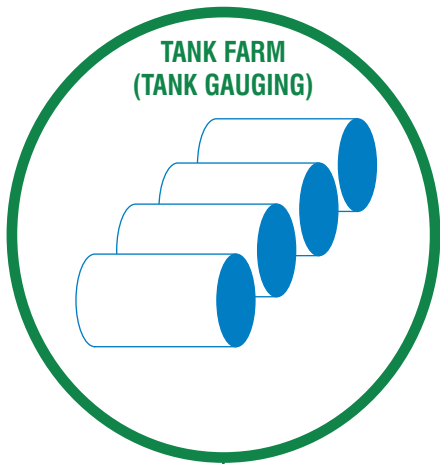
Gate Control:

BPA can interface with Toptech's access control devices such as: RCU II, ACR and veriFID (fingerprint verification).

BPA Mirror:

Mirror provides complete system and data redundancy for continued operation in the event of a primary computer failure.

UNLOCK THE POTENTIAL OF YOUR FACILITY



TANK FARM
(TANK GAUGING)



LOAD RACK
(PRESET CONTROL)

TANK LEVELS

TRANSACTIONS

ACCESS AUTHORIZATION

SERIAL COMMUNICATIONS

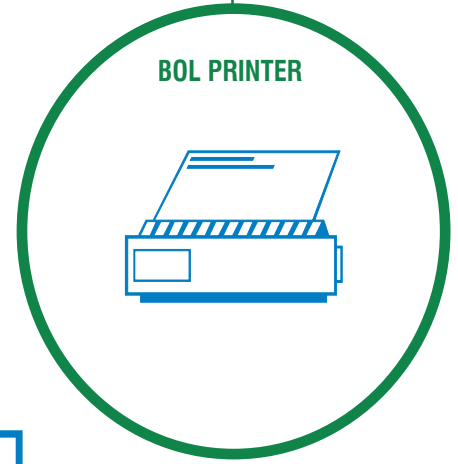
AUTOMATIC BOLs



ENTRANCE GATE
(ACCESS CONTROL)



BPA



BOL PRINTER

NETWORK ROUTER



OPTIONAL SYSTEM BACKUP



ACCOUNTING/BILLING SYSTEM



REMOTE FACILITY ACCESS



INTERNET

LIQUID CONTROLS GROUP

CORKEN | FAURE HERMAN | LIQUID CONTROLS | SAMPI | SPONSLER | TOPTech SYSTEMS

Toptech Systems

280 Hunt Park Cove - Longwood, Florida 32750

Phone: (407) 332-1774 - Fax: (407) 332-1802

www.toptech.com