



Tactical Fueling Solutions for Visibility and Control



Automation solutions for oil & gas, defense and aviation applications



Tactical Fueling Solutions

TacFuels® provides accountability and oversight of all allocations, inventories, disbursements and consumption to assist, control and manage the complete tactical fuel supply chain.

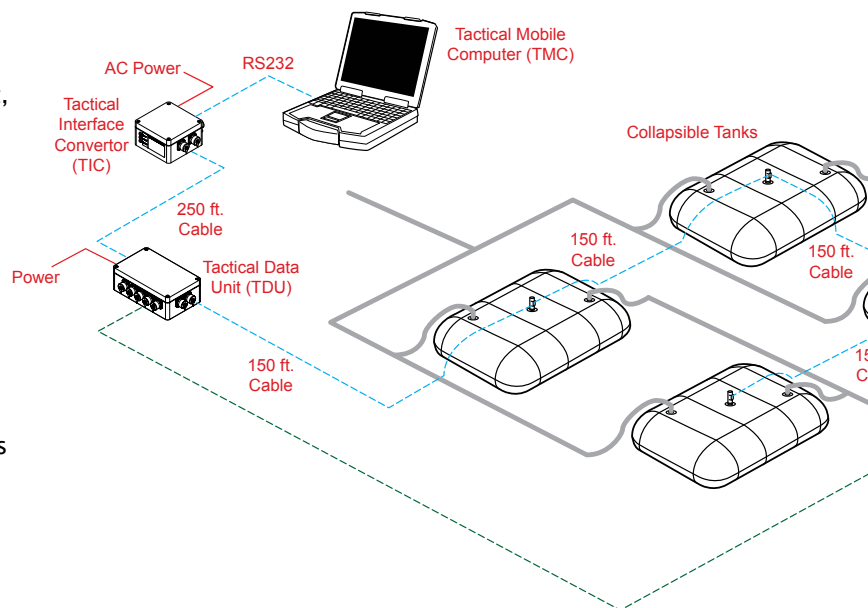


Asset Visibility at all Levels of Operation

Varec's TacFuels® solution improves existing processes for fuels accountability of tactical fuel points, such as collapsible storage tank fuel farms. It reduces the cycle times, human resource allocations and is field proven for military and contractor personnel ease of use and acceptance. The system provides greater command oversight and management, while helping to resolve many shortfalls encountered at the local level, such as fraudulent disbursements. Automating the measurement of fuel inventories greatly reduces the errors associated with manually recording the receipt, inventory measurement and distribution of bulk fuels.

TacFuels is also compatible with FuelsManager® systems already in use by many defense organizations, including the U.S. Department of Defense, NATO, the United Kingdom's Ministry of Defence and the Australian Ministry of Defence. Together, Varec's TacFuels and FuelsManager Defense provide an automated solution that improves local fuels accounting reconciliation and reporting, and assists in regional logistical planning and monitoring, while also providing asset visibility and consumption at all levels of operation.

Varec's TacFuels tactical fueling solution consists of a mobile laptop operating, software, data collection units, interface converters, flow meters and fuel gauges. A combination of these ruggedized devices is deployed based on the configuration of the tactical fuel point.



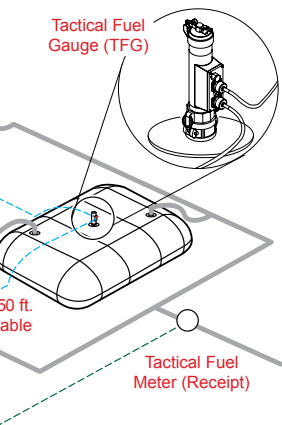
Command Oversight and Management



TacFuels assists military personnel on the ground to efficiently and automatically measure, record, and report fuel usage up the chain of command.

Fuels Inventory Management

At the center of the solution, FuelsManager® software provides fuel operators with the inventory management and accounting tools necessary to record, store, allocate and report all inventory activity at an accelerated pace. The Tactical Mobile Computer provides a ruggedized operator interface to collect, store and view fuel inventory and transactional movement data (receipts and issues) in and around the collapsible storage tank fuel farm.



The Tactical Mobile Computer accepts manual input of fuel movement data, such as fueling disbursements. It also automatically collects data from the Tactical Data Unit (via the Tactical Interface Converter), such as volumetric receipt and shipment data collected from an integrated Tactical Flow Meter.

Automatic Data Collection

The Tactical Data Unit collects, calculates and stores volume, temperature and flow information from connected field devices, such as the Tactical Flow Meter and Tactical Fuel Gauge, until data is requested by the Tactical Mobile Computer. It also automatically performs a collapsible storage tank “mapping” process that improves the overall accuracy and reliability of the inventory measurement.

Fuel Measurement

The Tactical Fuel Gauge replaces the existing collapsible storage tank vent pipe and installs quickly and easily, without the need for specialized tools. It provides accurate real-time measurement for volume calculation and correction of fuel stored in collapsible storage tanks.



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Technology Advantages

- Mobile computing reduces the errors associated with manual data entry, calculations and ‘paper form’ based processes and provides operators with complete fuel inventory overviews at a glance.
- Reduce inventory measurement cycle times and manpower allocations by automatically collecting real-time fuel inventories from collapsible storage tanks.
- Improve the accuracy of inventory measurements by utilizing tactical fuel meter inputs to automatically create unique “mapping” charts of individual collapsible storage tanks.
- Standardize inventory measurements by automatically correcting calculated volumes to recommended API standards.
- Increase the repeatability of inventory measurements by accounting for variances in the manufacture or deployment of individual collapsible storage tanks, such as tank expansion, burm construction, tank bulge and height measurements above manufacturers’ specifications.
- Improve inventory control by assigning fuel allocations for all consuming organizations.
- On time daily inventory reconciliation and reporting provides asset visibility, availability and fuel consumption from the organization unit to the individual vehicle at all levels of command.

Service Benefits

- Simplified installation – The tactical fuel gauge directly replaces an existing collapsible tank vent pipe without the need for specialized tools.
- Ease of setup – All power and communications cables are connected via military style ‘quick’ connects/disconnects.
- Ease of use – All components of the system are field proven for military personnel use and acceptance.
- Approved for use in Hazardous Areas – cSGSus, ATEX and IECEx
- Commercial-off-the-shelf technology – Varec utilizes the latest commercially available components to ensure product supportability now and in the future.
- Low maintenance – Suitable for remote environments, ruggedized for use in harsh, all-weather conditions.
- With over 15 years of experience in the field, Varec is able to provide impartial advice, allowing you to make the correct decisions.
- Help desk support is available 24 hours per day, seven days per week to solve technical and application problems.
- On-site or formal classroom instruction is available to complete the technical and functional awareness of your staff.

Go to varec.com for more information.

