

MANAGE YOUR FUEL,
SAVE ON COSTS



FUEL MANAGEMENT TECHNOLOGY
TO HELP YOUR FUEL GO FURTHER

Fueltek offer a range of fuel monitoring, tank monitoring, fuel dispensing and fuel storage systems that accurately measure and monitor fuel deliveries, fuel stocks and fuel usage resulting in cost savings through better management and utilisation of your valuable on-site fuel resource.

Fueltek are specialists in commercial vehicle re-fuelling and can provide simple affordable solutions to fuel management problems.

- Stops unauthorised use of fuel
- Provides accurate stock control
- Provides useful concise management reports and automatic alerts on fuel usage



FUEL STORAGE
TANKS



FUEL
MANAGEMENT
REPORTING



WET STOCK
MANAGEMENT



AFTER SALES
AND SERVICE



FUEL
DISPENSING



CLOUD BASED
SOFTWARE

FT4000

Fuel Management System



The **FT4000** is a simple yet sophisticated fuel management system, designed to provide complete control for commercial transport organisations dispensing fuel to authorised vehicles onsite.

The **FT4000** comprises hardware and software, the hardware is a highly specified Fuel Access Control Terminal (FACT) designed to be installed at the fuelling location. The **FT4000** communicates with **FUELTEK FMO** Browser based software, which is accessible from any location with internet access.

FT4000 SPECIFICATION

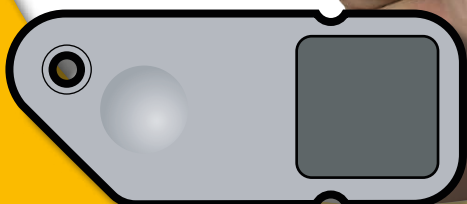
The FT4000 is capable of up to four pump simultaneous operation. The FT4000 system incorporates a robust heavy duty keypad which enables odometer readings, driver ID's, fleet numbers, job codes etc. to be entered at the point of fuelling. The FT4000 can be specified with keypad options including Full alpha Numeric, multiple choice alpha numeric (old style text messaging) or simply numeric.

The **FT4000** system incorporates a highly visible ¼ VGA back-lit graphics display which displays clear concise messages, to complete the user interface we use our extremely reliable Datatag reader or one of the other options available including Datadisk, Datacard or Magnetic Stripe card.

The **FT4000** is available in either pedestal mounted or wall mounted options.

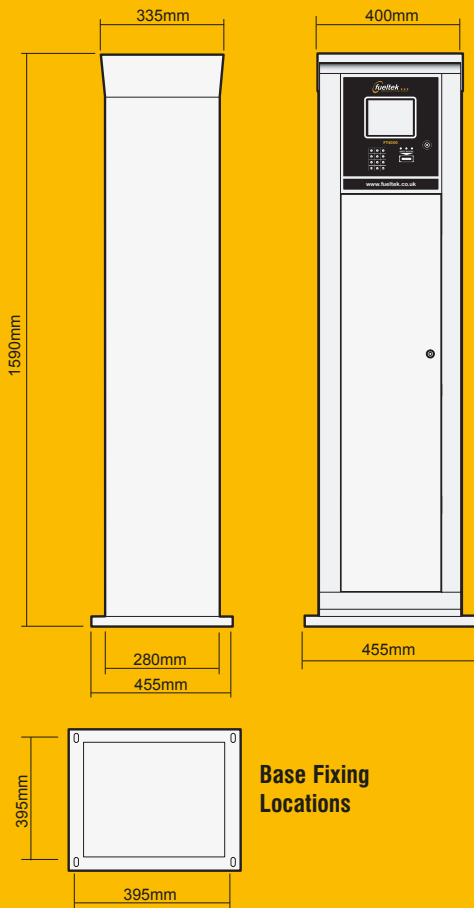
The **FT4000** incorporates vehicle / driver messaging. A message can be programmed at **FUELTEK FMO** can be sent to the FACT. The next time the relevant Datatag is used at the FACT a message will be displayed. The **FT4000** system has the capability to provide unlimited storage capacity for look up tables, fleet lists and transaction storage, the system offers a minimum primary memory capacity of 2,000 transactions between downloads, these are stored in non-volatile memory that does not require a battery back-up, which, means even in the event of a mains power fail the system will retain all data. The primary memory can be upgraded to store a larger number of transactions if required.

(DATATAG - Shown Life Size)
Datatag is designed to fit on a standard keyring

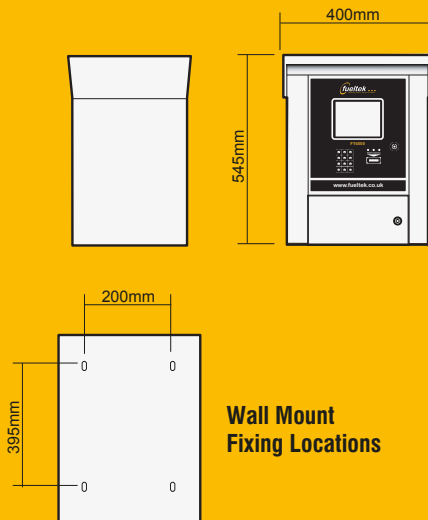


Datatags are Robust, Reliable, Easy to Use and are Guaranteed for the life of the system.

PLINTH MOUNTED OPTION



WALL MOUNTED OPTION



ACCESS METHOD

The FT4000 system offers choices of access method. Datatag, Datadisk, Datacard or Mag Stripe card. The Datatag is our preferred method and is guaranteed for the life of system.

The Datatag we manufacture is a read/write tag, incorporating high security authentication using a cryptographic algorithm and a guaranteed 100,000 read/write cycles minimum. Data retention is 10 years minimum. The advantages of the Datatag are that there are no moving parts maintenance is therefore low, saving costs in the long term on the upkeep of the system. Datatags supplied are guaranteed for the life of the system. The datatag is a read/write device and can be programmed with many operating parameters. All **FUELTEK** access devices are programmed directly from **FUELTEK FMO**, you do not have to be in possession of the device to be programmed, you can commit changes at **FUELTEK FMO** and the device will be updated the next time it is used in the **FT4000** (FACT).

REPORTING

For reporting purposes data is uploaded from the FACT to **FUELTEK FMO**. Reports can be generated, viewed and/or printed from any location with internet access.

COMMUNICATIONS

The FT4000/**FUELTEK FMO** can support a number of communication methods.

Most commonly we use GPRS modems to allow internet connectivity at the FACT. GPRS (General Packet Radio Service) is a wireless data service and is a connectivity solution based on internet protocols. No call charges apply using GPRS as a small monthly rental fee covers an amount of data transferred.

We can network Interface allowing the **FT4000** to form part of a LAN/WAN.

We can utilise Bluetooth, Wi-fi or even cable RS232 or RS485 to provide a route into your own Broadband connection if required.

The Main Tasks of **FUELTEK FMO** are:

- COMMUNICATIONS TO THE FACT
- PROGRAMMING DATATAGS / ACCESS DEVICES
- MAINTAINING TABLES (DRIVER / FUELLER / LOCKOUT)
- RUNNING REPORTS
- STOCK CONTROL
- BACKING UP DATA PERIODICALLY

FUELTEK FMO incorporates a reports generator which gives you the ability to create and customise your own reports.

CONSTRUCTION

The **FT4000** Cabinet is manufactured entirely from stainless steel. The unit is sturdy, robust and designed to operate in harsh environments.

The **FT4000** is available as a Pedestal Mounted Unit or a Wall Mounted Unit.

The **FT4000** is also available in **FT4000P** and **FT4000AP** configurations.

Please see relevant product information sheets.

User Friendly, Reliable, Cost Effective Fuel Management Systems



FUELTEK LTD, Lang Court, Nuttalls Way, Shadsworth Business Park,
Blackburn BB1 2JT

Telephone: 01254 291391

E-mail: info@fueltek.co.uk

Fax: 01254 291399

Website: www.fueltek.co.uk



FT4000AP

Fuel Management System



The **FT4000** is a simple yet sophisticated fuel management system, designed to provide complete control for commercial transport organisations dispensing fuel to authorised vehicles on-site.

The **FT4000** comprises hardware and software, the hardware is a highly specified Fuel Access Control Terminal (FACT) designed to be installed at the fuelling location. The **FT4000** communicates with **FUELTEK FMO** Browser based software, which is accessible from any location with internet access.

FT4000AP SPECIFICATION

The FT4000AP is specified as a combination fuel dispenser / fuel management system. The FT4000AP can control up to 4 fuel pumps simultaneously (1 internal and 3 external).

The **FT4000AP** is capable of up to four pump simultaneous operation. The **FT4000** system incorporates a robust heavy duty keypad which enables odometer readings, driver ID's, fleet numbers, job codes etc. to be entered at the point of fuelling. The **FT4000** can be specified with keypad options including Full alpha Numeric, multiple choice alpha numeric (old style text messaging) or simply numeric.

The **FT4000** system incorporates a highly visible ¼ VGA back- lit graphics display which displays clear concise messages, to complete the user interface we use our extremely reliable Datatag reader or one of the other options available including Datadisk, Datacard or Magnetic Stripe card.

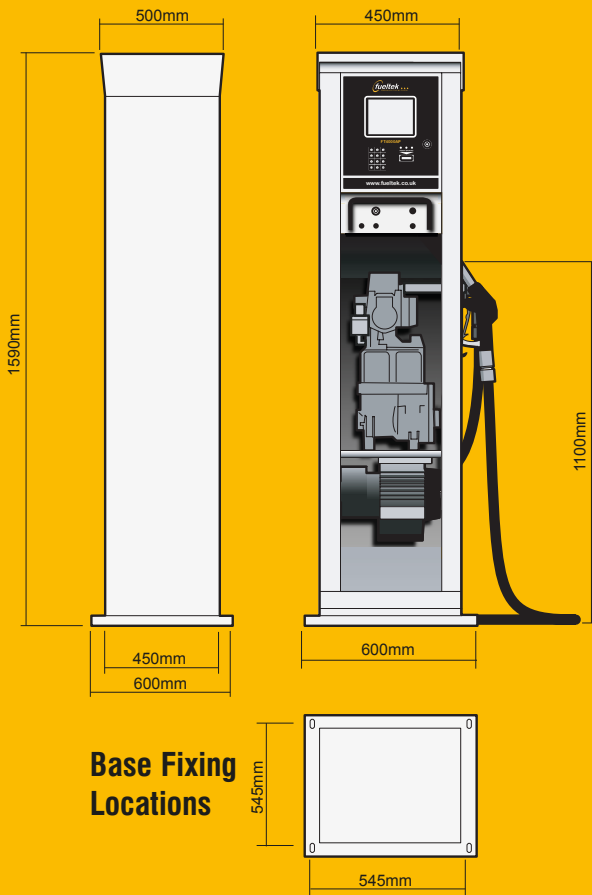
The **FT4000** incorporates vehicle / driver messaging. A message can be programmed at **FUELTEK FMO** can be sent to the FACT. The next time the relevant Datatag is used at the FACT a message will be displayed. The

FT4000 system has the capability to provide unlimited storage capacity for look up tables, fleet lists and transaction storage, the system offers a minimum primary memory capacity of 2,000 transactions between downloads, these are stored in non-volatile memory that does not require a battery back-up, which, means even in the event of a mains power fail the system will retain all data. The primary memory can be upgraded to store a larger number of transactions if required.

(DATATAG - Shown Life Size)
Datatag is designed to fit on a standard keyring



Datatags are Robust, Reliable, Easy to Use and are Guaranteed for the life of the system.



Base Fixing Locations

ACCESS METHOD

The FT4000 system offers choices of access method. Datatag, Datadisk, Datacard or Mag Stripe card. The Datatag is our preferred method and is guaranteed for the life of system.

The Datatag we manufacture is a read/write tag, incorporating high security authentication using a cryptographic algorithm and a guaranteed 100,000 read/write cycles minimum. Data retention is 10 years minimum. The advantages of the Datatag are that there are no moving parts maintenance is therefore low, saving costs in the long term on the upkeep of the system. Datatags supplied are guaranteed for the life of the system. The datatag is a read/write device and can be programmed with many operating parameters. All FUELTEK access devices are programmed directly from FUELTEK FMO, you do not have to be in possession of the device to be programmed, you can commit changes at FUELTEK FMO and the device will be updated the next time it is used in the FT4000 (FACT).

REPORTING

For reporting purposes data is uploaded from the FACT to FUELTEK FMO. Reports can be generated, viewed and / or printed from any location with internet access.

COMMUNICATION

The FT4000 / FUELTEK FMO can support a number of communication methods.

Most commonly we use GPRS modems to allow internet connectivity at the FACT. GPRS (General Packet Radio Service) is a wireless data service and is a connectivity solution based on internet protocols. No call charges apply using GPRS as a small monthly rental fee covers an amount of data transferred.

We can network Interface allowing the FT4000 to form part of a LAN / WAN.

We can utilise Bluetooth, Wi-fi or even cable RS232 or RS485 to provide a route into your own Broadband connection if required.

The Main Tasks of FUELTEK FMO are:

- COMMUNICATIONS TO THE FACT
- PROGRAMMING DATATAGS/ ACCESS DEVICES
- MAINTAINING TABLES (DRIVER\FUELLER\LOCKOUT)
- RUNNING REPORTS
- STOCK CONTROL
- BACKING UP DATA PERIODICALLY

FUELTEK FMO incorporates a reports generator which gives you the ability to create and customise your own reports.

PUMP SPECIFICATION

The FT4000AP pumping unit is a 230 Volt Single phase and can be specified as a 50, 70 or 90 Litre Per Minute fuel pump. A 3.6 metre hard wall hose and an auto cut off nozzle are supplied as standard, we can supply a longer hose if required. The unit uses a four piston displacement meter to ensure overall accuracy of fuel dispensed. The meter is calibrated to forecourt accuracy which is achievable over all dispensing speeds.

Pumping Unit: Belt Driven with Air Separation

Motor: 230v Single Phase rated at 10 amp.

Meter: 4 Piston Displacement Meter accurate to +/- 0.25 %

Cabinet: Stainless Steel with lockable front door.

Display: Electronic LCD Graphics Display with Backlight. Shows up to 9,999.9 litres **Period Totaliser:** Shows up to 9,999,999 Litres.

Lifetime Totaliser: Shows up to 9,999,999 Litres.

Pump Speed: Standard 70 Litres Per Minute. (available in 50 & 90lpm Option) **Standard**

Equipment: Auto – Cut Off Nozzle. 3.6 metre Steel Braided Hose.

CONSTRUCTION

The FT4000AP Cabinet is manufactured entirely from stainless steel. The unit is sturdy, robust and designed to operate in harsh environments.

User Friendly, Reliable, Cost Effective Fuel Management Systems



FUELTEK LTD, Lang Court, Nuttalls Way, Shadsworth Business Park, Blackburn BB1 2JT

Telephone: 01254 291391

E-mail: info@fueltek.co.uk

Fax: 01254 291399

Website: www.fueltek.co.uk

FT4000AP - TWIN

Integrated Fuel Management System /
Fuel Dispenser

The **FT4000AP TWIN** is a simple yet sophisticated fuel management system, designed to provide complete control for commercial transport organisations dispensing fuel to authorised vehicles onsite.

The **FT4000AP TWIN** comprises hardware and software, the hardware is a highly specified Fuel Access Control Terminal (FACT) designed to be installed at the fuelling location. The **FT4000** communicates with **FUELTEK FMO** Browser based software, which is accessible from any location with internet access.

FT4000AP SPECIFICATION

The FT4000AP TWIN is specified as a combination fuel dispenser / fuel management system. The FT4000AP TWIN can be specified as a single sided unit – a double sided unit and can even have different options either side such as numeric keypad and datatag reader one side and Fuel card reader and QWERTY style keypad on the other.

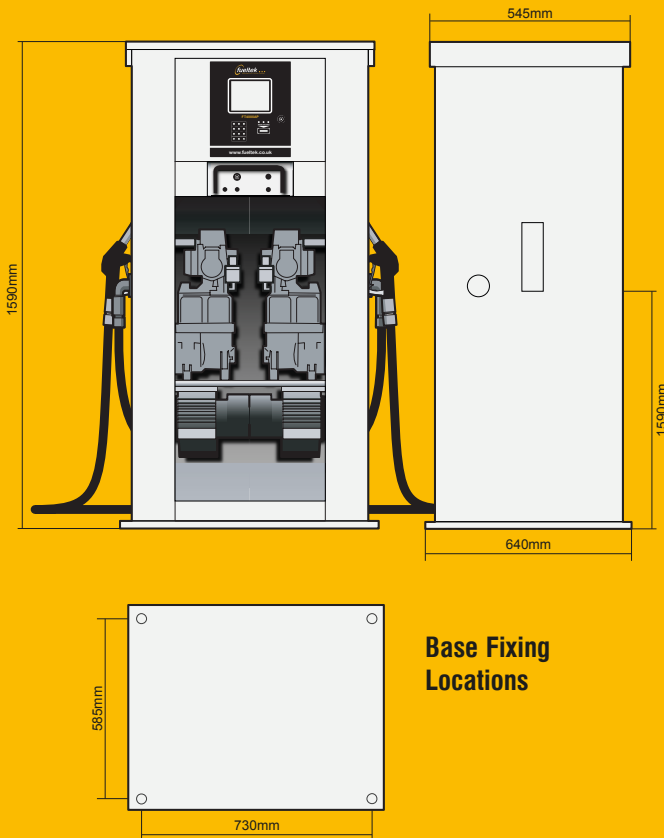
The **FT4000AP** twin can be specified for different product combinations or same product, Diesel / Gas Oil / Adblue. The **FT4000AP TWIN** is a true twin pump two pumps / two meters and two motors, each pump can be used simultaneously.

The **FT4000AP** can control also control other external pumps through the fuel management system and is capable of controlling up to eight pump simultaneously. The **FT4000** system incorporates a robust heavy duty keypad which enables odometer readings, driver ID's, fleet numbers, job codes etc. to be entered at the point of fuelling. The **FT4000** can be specified with keypad options including Full alpha Numeric, multiple choice alpha numeric (old style text messaging) or simply numeric.

The **FT4000AP** system incorporates a highly visible ¼ VGA back-lit graphics display which displays clear concise messages, to complete the user interface we use our extremely reliable Datatag reader or one of the other options available including Datadisk, Datacard or Magnetic Stripe card.

The **FT4000** incorporates vehicle / driver messaging. A message can be programmed at **FUELTEK FMO** can be sent to the FACT. The next time the relevant Datatag is used at the FACT a message will be displayed. The **FT4000** system has the capability to provide unlimited storage capacity for look up tables, fleet lists and transaction storage, these are stored in non-volatile memory that does not require a battery back-up, which, means even in the event of a mains power fail the system will retain all data. The primary memory can be upgraded to store a larger number of transactions if required.





Base Fixing Locations

ACCESS METHOD

The FT4000 system offers choices of access method. Datatag, Datadisk, Datacard or Mag Stripe card. The Datatag is our preferred method and is guaranteed for the life of system.

The Datatag we manufacture is a read/write tag, incorporating high security authentication using a cryptographic algorithm and a guaranteed 100,000 read/write cycles minimum. Data retention is 10 years minimum. The advantages of the Datatag are that there are no moving parts maintenance is therefore low, saving costs in the long term on the upkeep of the system. Datatags supplied are guaranteed for the life of the system. The datatag is a read/write device and can be programmed with many operating parameters. All FUELTEK access devices are programmed directly from FUELTEK FMO, you do not have to be in possession of the device to be programmed, you can commit changes at FUELTEK FMO and the device will be updated the next time it is used in the FT4000 (FACT).

REPORTING

For reporting purposes data is uploaded from the FACT to FUELTEK FMO. Reports can be generated, viewed and / or printed from any location with internet access. Reports can be saved and scheduled to run automatically each day, week or month as required without operator intervention.

COMMUNICATIONS

The FT4000 / FUELTEK FMO can support a number of communication methods.

Most commonly we use GPRS modems to allow internet connectivity at the FACT. GPRS (General Packet Radio Service) is a wireless data service and is a connectivity solution based on internet protocols. No call charges apply using GPRS as a small monthly rental fee covers an amount of data transferred.

We can network Interface allowing the FT4000 to form part of a LAN / WAN. We can utilise Bluetooth, Wi-fi or even cable RS232 or RS485 to provide a route into your own Broadband connection if required.

The Main Tasks of FUELTEK FMO are:

- COMMUNICATIONS TO THE FACT
- PROGRAMMING DATATAGS/ ACCESS DEVICES
- MAINTAINING TABLES (DRIVER\FUELLER\LOCKOUT)
- RUNNING REPORTS
- STOCK CONTROL
- BACKING UP DATA PERIODICALLY

FUELTEK FMO incorporates a reports generator which gives you the ability to create and customise your own reports.

PUMP SPECIFICATION

The FT4000AP TWIN house two pumping units these are 230 Volt Single phase and can be specified as a 50, 70 or 90 Litre Per Minute fuel pump. A 3.6 metre hard wall hose and an auto cut off nozzle are supplied as standard, we can supply a longer hose if required. The unit uses a four piston displacement meter to ensure overall accuracy of fuel dispensed. The meter is calibrated to forecourt accuracy which is achievable over all dispensing speeds.

Pumping Unit: Belt Driven with Air Separation

Motor: 230v Single Phase rated at 10 amp.

Meter: 4 Piston Displacement Meter accurate to +/- 0.5 %

Cabinet: Stainless Steel with lockable front door.

Display: Electronic LCD Graphics Display with Backlight. Shows up to 9,999.9 litres

Period Totaliser: Shows up to 9,999,999 Litres.

Lifetime Totaliser: Shows up to 9,999,999 Litres.

Pump Speed: Standard 70 Litres Per Minute. (available in 50 & 90lpm Option)

Standard Equipment: Auto – Cut Off Nozzle. 3.6 metre Steel Braided Hose.

CONSTRUCTION

The FT4000AP Cabinet is manufactured entirely from stainless steel. The unit is sturdy, robust and designed to operate in harsh environments.

User Friendly, Reliable, Cost Effective Fuel Management Systems



FUELTEK LTD, Lang Court, Nuttalls Way, Shadsworth Business Park, Blackburn BB1 2JT

Telephone: 01254 291391

E-mail: info@fueltek.co.uk

Fax: 01254 291399

Website: www.fueltek.co.uk



FT4000AB (ADBLUE)

Integrated ADBLUE Pump /
Fuel Management System

The **FT4000 AB** is designed as a simple yet sophisticated fuel management system and combination adblue pump, intended to provide complete control for commercial transport organisations dispensing adblue.

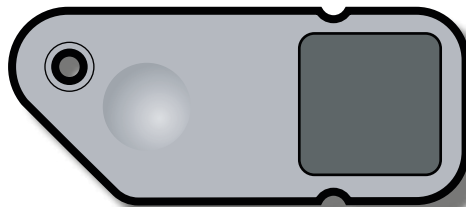
The **FT 4000 ADBLUE** comprises hardware and software and can form part of a network with other systems in our range, the hardware is a highly specified Fuel Access Control Terminal (FACT) and a good quality/ high accuracy adblue pump. The **FT4000 ADBLUE** communicates with **FUELTEK FMO** Browser based software, which is common to all our products and is accessible from any location with internet access.

FT4000AB SPECIFICATION

The **FT4000 AB** is specified as a combination adblue dispenser / fuel management system. The **FT4000 AB** system incorporates a Graphics display which displays clear concise messages in real English, a robust heavy duty telephone style keypad which enables inputs to be made at the point of filling and our reliable datatag reader. The keypad has alpha numeric capability. The **FT4000 AB** incorporates vehicle / driver messaging. A message can be programmed at the **FUELTEK FMO** software and sent to the **FACT**. The next time the relevant datatag is used at the **FACT** a message will be displayed.

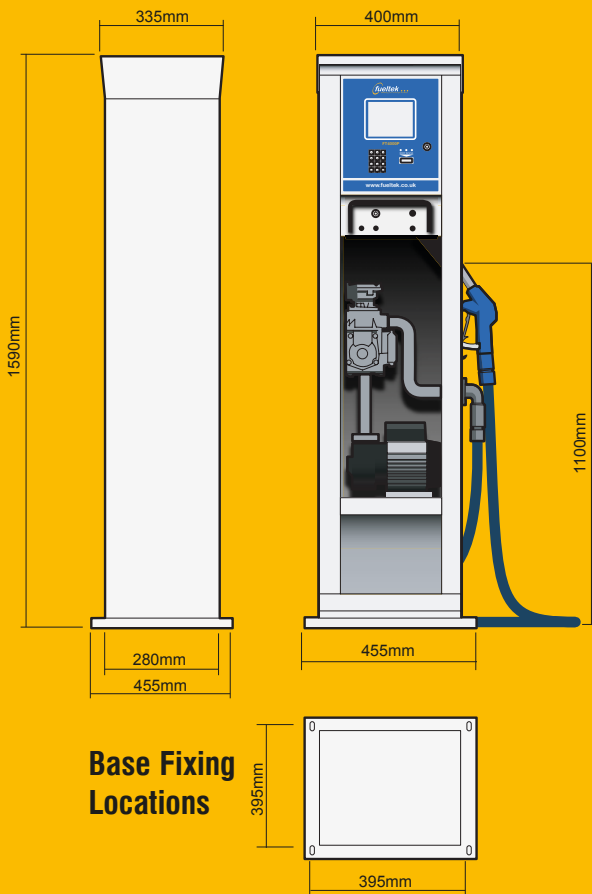
Transactions are stored in non-volatile memory that does not require a battery back-up, which, means even in the event of a mains power fail the system will retain all data.

(DATATAG - Shown Life Size)
Datatag is designed to fit on a standard keyring



Datatags are Robust, Reliable, Easy to Use and
are Guaranteed for the life of the system.





Base Fixing Locations

ACCESS METHOD

The FT4000 AB uses a Datatag as the access method as standard, but can be adapted for card reading if required. The Datatag we manufacture is a read/write tag, incorporating high security authentication using a cryptographic algorithm and a guaranteed 100,000 read/write cycles minimum. Data retention is 10 years minimum.

The advantages of the Datatag are that there are no moving parts maintenance is therefore low, saving costs in the long term on the upkeep of the system. Datatags supplied are guaranteed for the life of the system. The datatag is a read/write device and can be programmed with many operating parameters. The datatag can be programmed either remotely at the FACT or at the PC. Datatag is designed fit on a standard Keyring. Datatags are Robust, Reliable, Easy to Use and are Guaranteed for the life of the system.

REPORTING

For reporting purposes data is uploaded from the FACT to **FUELTEK FMO**. Reports can be generated, viewed and/or printed from any location with internet access.

COMMUNICATIONS

The FT4000 AB / FUELTEK FMO can support a number of communication methods.

Most commonly we use GPRS modems to allow internet connectivity at the FACT. GPRS (General Packet Radio Service) is a wireless data service and is a connectivity solution based on internet protocols. No call charges apply using GPRS as a small monthly rental fee covers an amount of data transferred.

We can network Interface allowing the FT4000AB to form part of a LAN / WAN.

We can utilise Bluetooth, Wi-fi or even cable RS232 or RS485 to provide a route into your own Broadband connection if required.

The Main Tasks of **FUELTEK FMO** are:

- **COMMUNICATIONS TO THE FACT**
- **PROGRAMMING DATATAGS / ACCESS DEVICES**
- **MAINTAINING TABLES (DRIVERFUELLERLOCKOUT)**
- **RUNNING REPORTS**
- **STOCK CONTROL**
- **BACKING UP DATA PERIODICALLY**

FUELTEK FMO incorporates a reports generator which gives you the ability to create and customise your own reports.

PUMP SPECIFICATION

Pumping Unit: Direct Drive pump and motor (maximum run time 20 minutes)

Motor: 230v Single Phase rated at 10 amp.

Meter: Turbine, accurate to +/- 1%

Cabinet: Stainless Steel with lockable front door.

Display: Electronic LCD Graphics Display with Backlight. Shows up to 9,999.9 litres

Period Totaliser: Shows up to 9,999,999 Litres.

Lifetime Totaliser: Shows up to 9,999,999 Litres.

Pump Speed: Standard 40 Litres Per Minute.

Standard Equipment: Auto – Cut Off Nozzle. 3.6 metre Hose.

CONSTRUCTION

The FT4000 AB Cabinet is manufactured entirely from stainless steel. The unit is sturdy, robust and designed to operate in harsh environments.

THE FT4000 AB IS ALSO AVAILABLE AS A PUMP ONLY IF REQUIRED PLEASE ASK FOR DETAILS

User Friendly, Reliable, Cost Effective Fuel Management Systems



FUELTEK LTD, Lang Court, Nuttalls Way, Shadsworth Business Park, Blackburn BB1 2JT

Telephone: 01254 291391

E-mail: info@fueltek.co.uk

Fax: 01254 291399

Website: www.fueltek.co.uk

DATADISK

Access Method

FUELTEK DATADISK is available on any FT4000 Fuel Access Control Terminal (FACT) product variant. **FUELTEK DATADISK** is an alternative access method to our fuel management system when other methods prove unsuitable or unworkable. **FUELTEK DATADISK** is a passive vehicle mounted device.

Traditionally data has been captured at the point of fuelling using hand held datatags, cards, keys or even keypad entries with varying degrees of accuracy. **FUELTEK DATADISK** improves on this standard.

The **FUELTEK** Datadisk system is available in different configurations the two most popular are vehicle identification only followed by keypad entries, or vehicle identification with automatic mileage recognition, or as belts and braces, both which helps prove and validate information captured as it can be measured from two places.

FUELTEK DATADISK is a passive device that can be easily mounted in any position on the vehicle even inside a door if required, when the vehicle pulls up to the fuel pump an umbilical cord with a datadisk reader is introduced to the datadisk mounted on the vehicle which automatically identifies the vehicle. If automatic mileage capture is required, the Datadisk transaction initiates communication with on-board telematics software to establish the exact vehicle mileage at the point of fuelling this information is made available at a PC location following upload of transactions from the FACT.

FUELTEK DATADISK will simplify almost every aspect of a fleet's fuel logging and management. Datadisk technology makes sure that whenever a vehicle is fuelled, the FT4000 system knows exactly how much fuel is taken on-board, the previous and current mileage readings ensuring the relationship of fuel pumped to the mileage is absolute".

FUELTEK DATADISK takes the driver error out of the equation. FUELTEK DATADISK can automatically identify each vehicle as it is presented for fuelling and automatically log both its fuel demand and logged mileage. ensuring the transport operator can be absolutely confident that fuel security is complete.



- AUTOMATICALLY IDENTIFIES VEHICLE OR PLANT
- AUTOMATIC MILEAGE ENTRY – NO NEED FOR DRIVER INPUT
- IMPROVED REPORTING CAPABILITY
- ROBUST AND RELIABLE
- PROVEN TECHNOLOGY
- SIMPLE TO USE

All Fuel monitoring reporting and management functions are done through Fueltek FMO web based software.

SIMPLE TO USE



DATADISK READER IDENTIFYING VEHICLE AND CAPTURING MILEAGE READING.



DATADISK READER IN STORAGE POSITION.

CONSTRUCTION

The **FUELTEK DATADISK** comprises two parts, disk and reader.

DATADISK is made from General purpose Phenolic which has characteristics that make it UV resistant, fire retardant, Hydrocarbon proof, impervious to moisture with high impact strength.

DATADISK READER is manufactured in two parts the body of the reader is a single aluminium machined piece and the head is high impact nylon which UV resistant, fire retardant, Hydrocarbon proof, impervious to moisture with high impact strength.

The unit is sturdy, robust and designed to operate in harsh environments.



FUELTEK DATADISK is available with a number of options. The datadisk reader can simply be attached to an umbilical cable (up to 10 mtrs) and mounted like a nozzle on the side of the FT4000 or it can be mounted on a retractor to provide longer life and even easier use. The **DATADISK** can be tailored to the requirements of your site and can be mounted on boom arms or overhead fittings if required.



User Friendly, Reliable, Cost Effective Fuel Management Systems



FUELTEK LTD, Lang Court, Nuttalls Way, Shadsworth Business Park, Blackburn BB1 2JT

Telephone: 01254 291391

E-mail: info@fueltek.co.uk

Fax: 01254 291399

Website: www.fueltek.co.uk



fueltek FMO

Multi-User Browser Based Software

FUELTEK FMO provides comprehensive fuel management capabilities for all sizes of fleet operation using an internet or intranet platform.

Fueltek FMO is used in conjunction with any **Fueltek** Fuel Access Control Terminal (FACT). **Fueltek FMO** is a true 'web based application', this simply means that the software can potentially be accessed from An internet connected device anywhere in the world - the only requirement to use the system is an Internet or Intranet connection, a Login ID and User Password.

FMO is a scalable solution, ideal for larger fleets, multi-site and multi-user applications that require comprehensive fuel management capabilities at a number of locations. The system allows an administrator to create password controlled access limits for users to specific screens and functions. The system can accommodate any number of administrators and users. Any number of remote devices (clients) can access the web application via their local browser. No software installation is required for client devices.

TASKS AND ADVANTAGES

MAIN FUELTEK FMO TASKS

- PROGRAMMING VEHICLE DATATAGS / FUELLER DATATAGS / DRIVER DETAILS
- MAINTAINING TABLES (DRIVER / FUELLER / LOCKOUT)
- RUNNING REPORTS
- STOCK CONTROL

ADVANTAGES OF FUELTEK FMO

- NO COMPONENTS OR SOFTWARE NEEDS TO BE INSTALLED ON THE CLIENT COMPUTER, MEANING NO SYSTEM HANG UPS OR SOFTWARE CRASHES, RESULTING IN A MORE EFFICIENT SYSTEM
- MINIMAL NETWORK REQUIREMENTS
- SCALABLE SOLUTION (1 TO 1000'S OF LOCATIONS)
- CAN BE ACCESSED FROM ANYWHERE IN THE WORLD VIA AN INTERNET/INTRANET CONNECTION
- CHANGES MADE TO THE APPLICATION SOFTWARE I.E UPDATES ETC ARE IMMEDIATELY AND UNIVERSALLY AVAILABLE TO ALL USERS



FEATURES

Multi-user – Fueltek FM provides multi-user environment with individual username and password. Managed and controlled by an administrator.

Download Transactions: The FACT saves all the transactions that have taken place at the fuelling location. **FUELTEK FMO** communicates with the FACT to download all the fuelling transactions, processes them and allows them to be displayed in an easy to read format at any device which forms part of a network.

Export to Microsoft packages: The reports generated in **Fueltek FMO** can be exported into any Microsoft package e.g. Word or Excel with a simple click of the mouse.

Administration features: The administrator has the ability to edit, block and add users easily.

Real Time Monitoring: The administrator can monitor user activities in real time.

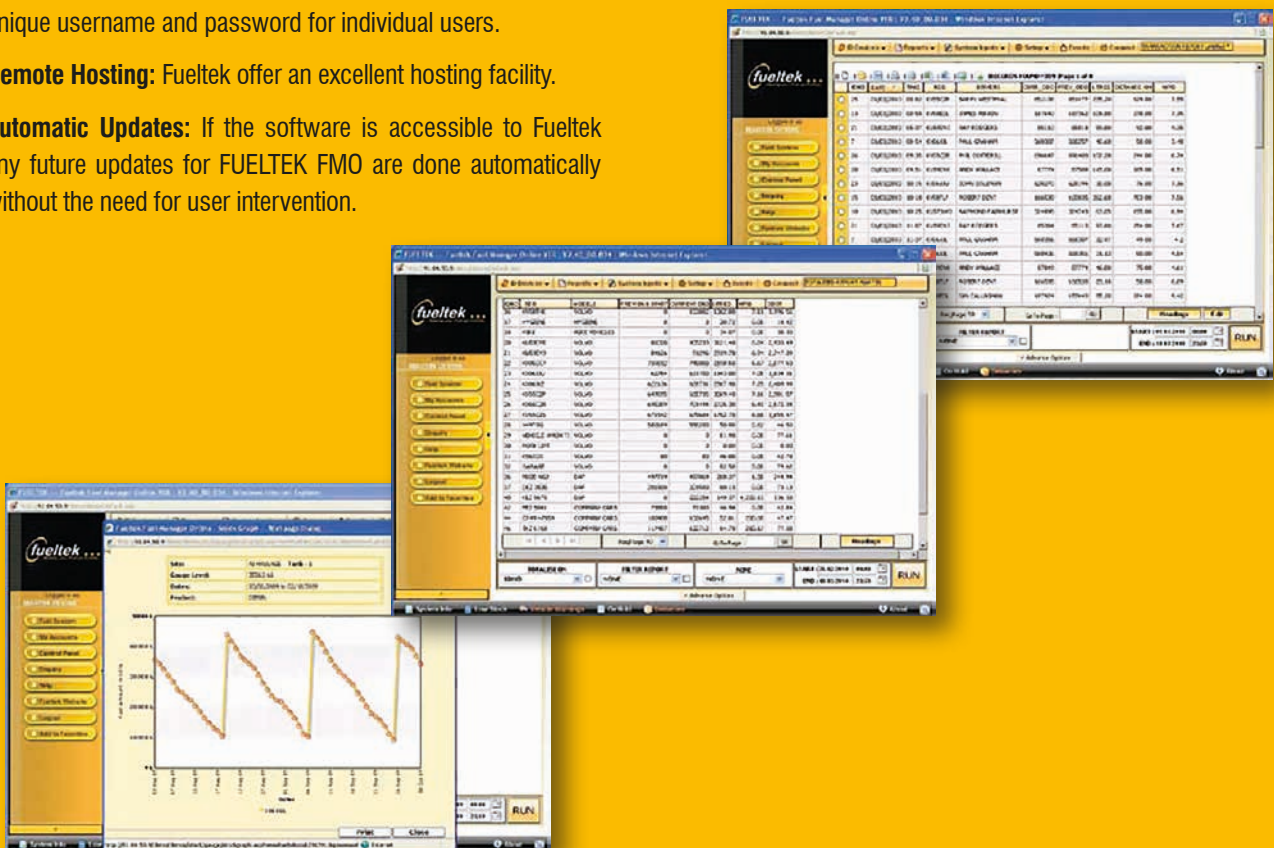
History Log: All activities on FUELTEK FMO are logged and can be viewed by the administrator at a future date.

Security: FUELTEK FMO is designed to be highly secure with unique username and password for individual users.

Remote Hosting: Fueltek offer an excellent hosting facility.

Automatic Updates: If the software is accessible to Fueltek any future updates for FUELTEK FMO are done automatically without the need for user intervention.

- **MULTIPLE OR SINGLE SITE**
- **USER FRIENDLY REPORTS GENERATOR**
- **DATE AND TIME FILTERED REPORTS**
- **VEHICLE TOTALS REPORT**
- **INDIVIDUAL TRANSACTION REPORTS**
- **VEHICLE, GROUP, DEPARTMENT REPORTS WITH MPG'S**
- **SITE STOCK REPORTS**
- **LOW STOCK/RE-ORDER ALARMS**
- **DRIVER REPORTS**
- **SERVICE / MOT / TAX DUE / TACHO CALIBRATION DUE REPORTS**
- **FLEXIBLE AND EASY TO USE**
- **DATA EXPORT TO OTHER SOFTWARE PACKAGES**
- **ACCEPTS OFFSITE-FUELLING DATA FROM ALL MAJOR CARD COMPANIES**



User Friendly, Reliable, Cost Effective Fuel Management Systems



FUELTEK LTD, Lang Court, Nuttalls Way, Shadsworth Business Park, Blackburn BB1 2JT

Telephone: 01254 291391
E-mail: info@fueltek.co.uk

Fax: 01254 291399
Website: www.fueltek.co.uk



fueltek FS

**Totally Enclosed Bunded Fuel Storage Tank
The Complete Package**

The Fueltek FS is a secure, safe and cost effective way of storing fuel onsite. The Fueltek FS is manufactured to a rectangular shape in most popular sizes (Litres or Gallons), although we can manufacture to almost any size or shape if required.

The **Fueltek FS** is manufactured to the highest Standards. The construction is of high grade mild steel, totally enclosed and fully bunded, the inner tank provides for fuel storage whilst the outer tank forms a water tight totally enclosed bund with a capacity of 110% of the inner tank contents.

All storage tanks conform to BS799, BS2594/prEN12285 and BS2654 and exceed recommendations made in the control of pollution regulations. All **Fueltek FS** fuel tanks are provided with a 20 year manufacturers guarantee.

The **Fueltek FS** can be supplied in a number of configurations to suit your requirements, the **Fueltek FS** can be supplied as just a tank to connect to your existing fuel pumps and fuelling set-up or can be supplied fully specified complete with fuel pumps, fuel management system, tank contents gauges, bund leak & overfill alarms (tankwatch) etc as a complete package.



MANUFACTURE

The **Fueltek FS** can be made to any size or shape. The **Fueltek FS** can be supplied in any colour or configuration, storage space can be partitioned to allow both diesel and gas oil to be stored in the same unit. A number of dispensing methods are available from the cheap and cheerful options up to good quality pumps with air separation and forecourt accuracy. Tank contents can be measured cost effectively utilising our tankwatch which is an integrated contents gauge, bund leak and overflow alarm. The tankwatch can be interfaced with the **Fueltek** fuel management system if you combine the equipment you can expect to manage your stocks (real time) both in and out of the tank effectively at a cost previously unattainable with comparable equipment.

The **Fueltek FS** can be supplied in your company colours at no extra cost. **Fueltek** will co-ordinate the complete installation. If you are considering storing fuel on-site, speak to us first on **01254 291391**.

OPTIONS

Fuel Storage Tanks

Mild Steel Construction. Standard or Full End Cabinet with Roller Shutter Door Available.

Tank Contents Gauges

All types available on request.

Fuel Dispensers

A range of pump types and speeds are available.

Fuel Management Systems.

A range of Fueltek systems are available to suit any Organisation.

Fuel Storage Tank Sizes

Fueltek can make tanks to any shape or size required. The following list is a guideline of capacity and sizes of fuel tanks available as standard.

NO ADDITIONAL COSTS ARE INCURRED FOR NON STANDARD SIZES: PRICES ARE WORKED OUT ON CAPACITY ONLY.

TANK SIZES

CAPACITY	DIMENSIONS	STEEL THICKNESS
1000ltrs	1.25M L X 1.25M W X 1M H	(3mm)
1500ltrs	1.5M L X 1,25M W X 1.25M H	(3mm)
2000ltrs	1.9M L X 1.25M W X 1.25M H	(3mm)
2500ltrs	1.9 M L X 1.5M W X 1.25M H	(3mm)
3000ltrs	1.9M L X 1.525M W X 1.525M H	(3mm)
3500ltrs	1.85M L X 1.83M W X 1.525M H	(3mm)
4000ltrs	2.45M L X 1.525M W X 1.525M H	(3mm)
4500ltrs	2.8 M L X 1.525M W X 1.525M H	(3mm)
5000ltrs	3.05M L X 1.525M W X 1.525M H	(3mm)
7000ltrs	3.45M L X 1.83M W X 1.525M H	(3mm)
8000ltrs	3.9M L X 1.83M W X 1.525 H	(3mm)
10,000ltrs	3.45M L X 2M W X 2M H	(3mm)
12,000ltrs	3.7M L X 2M W X 2M H	(3mm)
15,000ltrs	3.25M L X 2.5M W X 2.5 M H	(4mm)
18,000ltrs	3.6M L X 2.5M W X 2.5 M H	(5mm)
20,000ltrs	3.95M L X 2.5M W X 2.5 M H	(5mm)
25,000ltrs	3.45M L X 3M W X 3.050 H	(6mm)
30,000ltrs	4.05M L X 3M W X 3.050 H	(6mm)
35,000ltrs	4.7M L X 3M W X 3.050 H	(6mm)
40,000ltrs	5.3M L X 3M W X 3.050 H	(6mm)
45,000ltrs	5.9M L X 3M W X 3.050 H	(6mm)
50,000ltrs	6.55M L X 3M W X 3.050 H	(6mm)
55,000ltrs	7.15M L X 3M W X 3.050 H	(6mm)
60,000ltrs	7.75M L X 3M W X 3.050 H	(6mm)
65,000ltrs	8.4M L X 3M W X 3.050 H	(6mm)
70,000ltrs	9M L X 3M W X 3.050 H	(6mm)
75,000ltrs	9.6M L X 3M W X 3.050 H	(6mm)
80,000ltrs	9.4M L X 3.355M W X 3.050 H	(6mm)
90,000ltrs	9.5M L X 3.66M W X 3.050 H	(6mm)
100,000ltrs	10.5M L X 3.66M W X 3.050 H	(6mm)
110,000ltrs	10.5M L X 3.355M W X 3.66 H	(6mm)
120,000ltrs	10.5M L X 3.66W X 3.66 H	(6mm)
130,000ltrs	11.5M L X 3.66W X 3.66 H	(6mm)

For sizes larger than 130,000ltrs dimensions can be provided on request.

User Friendly, Reliable, Cost Effective Fuel Management Systems



FUELTEK LTD, Lang Court, Nuttalls Way, Shadsworth Business Park, Blackburn BB1 2JT

Telephone: 01254 291391

E-mail: info@fueltek.co.uk

Fax: 01254 291399

Website: www.fueltek.co.uk

Tankwatch

Fuel Tank Monitoring System

With the never ending rise in cost of road fuel all transport operators are under great pressure to manage fuel resources more efficiently and be more environmentally friendly.

Tank Watch helps managers by providing accurate information on current stock, available tank capacity (ullage), stock movements, deliveries, throughputs and unusual stock movements making it easy to assess any problem areas.

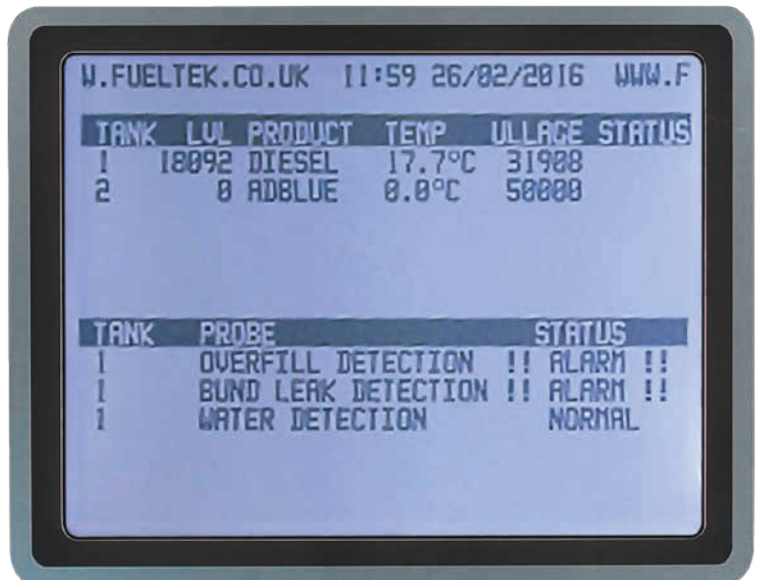
The **Tankwatch System** monitors the fluid inside the tank using a series of probes, the probes are connected to a control panel which is mounted locally at the fuel tank. The control panel provides a local interface at the point of storage and assists fuel delivery drivers make safe and secure deliveries.

The **Tankwatch** control panel constantly displays stock level information including ullage and also displays alarm status, if an alarm is triggered this is indicated audibly and visually at the fuel tank. The system will even provide early warning of tank leakage if unaccountable reductions in tank contents are recorded.

Tankwatch can be used in its own right to manage fuel stocks or can interface with other **Fueltek** fuel management systems which monitor pump throughput and stop unauthorised use of fuel, either way **Tankwatch** provides a powerful reporting and management tool.



- **DETER THEFT**
- **DETECT DELIVERIES AS THEY OCCUR**
- **ALARM UNUSUAL STOCK MOVEMENTS**
- **DISABLE PUMP WHEN TANK IS EMPTY**
- **CHECK STOCKS ANYTIME ANYWHERE**



Information Displayed At The Fuel Tank

TMO (Tank Manager on-line) software is used for management and reporting purposes. TMO is web hosted and browser based, user friendly and can provide information at any location with internet access. Communication between the remote hardware and the reporting software is most commonly done using a GPRS modem to allow internet connectivity.

GPRS (General Packet Radio Service) is a wireless data service and is a connectivity solution based on internet protocols. No call charges apply using GPRS as a small monthly rental fee covers an amount of data transferred.

We can network Interface allowing the **Tankwatch** to form part of a LAN / WAN. We can utilise Bluetooth, Wi-fi or even cable RS232 or RS485 to provide a route into your own Broadband connection if required. The reporting software uses administrator set account numbers, login and password, management information can potentially be made available on any PC anywhere in the world for a user with an authorised account number, login and password. Relevant information can be emailed directly to your inbox on a daily weekly or monthly basis including current stock levels, deliveries and predicted future stock levels.

Reports can be scheduled to deliver directly to your inbox at a pre-determined time.

Typically including:

SITE – TANK – PRODUCT – CURRENT FUEL AMOUNT – PREVIOUS DAYS DELIVERIES – PREVIOUS DAYS THROUGHPUT – ESTIMATED NUMBER OF DAYS STOCK LEFT IN THE TANK.

Tankwatch is built for use in harsh transport environments, **Tankwatch** has a heavy duty enclosure, and a bright display, that is easy to read in daylight. Tank measurement is by a high accuracy pressure sensor that is individually calibrated to take account of tank geometry. **Tankwatch** can be specified for new installations but is also easily retro fitted to existing tanks.

With the cost of road fuel rapidly rising again all transport operators are under great pressure to manage fuel resources more efficiently and be more environmentally friendly. **Tankwatch** helps managers by providing accurate information on current stock, available tank capacity (ullage), stock movements, deliveries and throughputs making it easy to assess any problem areas.

The **Tankwatch** System monitors the fluid inside the tank using a series of probes, the probes are connected to a control panel which is mounted locally at the fuel tank. The control panel provides a local interface at the point of storage and assists fuel delivery drivers make safe and secure deliveries.

The **Tankwatch** control panel constantly displays stock level information including ullage and also displays alarm status, if an alarm is triggered this is indicated audibly and visually at the fuel tank. The system will even provide early warning of tank leakage if unaccountable reductions in tank contents are recorded

Tankwatch can be used in its own right to manage fuel stocks or can interface with other **Fueltek** fuel management systems which monitor pump throughput and stop unauthorised use of fuel, either way **Tankwatch** provides a powerful reporting and management tool.



User Friendly, Reliable, Cost Effective Fuel Management Systems



FUELTEK LTD, Lang Court, Nuttalls Way, Shadsworth Business Park, Blackburn BB1 2JT

Telephone: 01254 291391
E-mail: info@fueltek.co.uk

Fax: 01254 291399
Website: www.fueltek.co.uk

Fuel Management Systems & Software For Fuel Access Control



Running fleets of vehicles means tackling fuel management issues. Fueltek is a leading fuel management company dedicated to developing, installing and providing full customer support for advanced and reliable fuel storage, pumps, secure access and management reporting systems.

The complete Fueltek fuel management package comprises:

- Environmentally safe storage that is easy to install and relocate without extensive civils.
- Fuel storage tank contents gauging for effective control of fuel stocks.
- Secure and reliable fuel access control with effective data capture.
- Easily customised fuel management software that provides meaningful reports for timely management action.

Companies that already have some elements in place can choose only those Fueltek components they need to make their fuelling systems complete and effective.

Users of Fueltek systems include transport and logistics companies, bus and coach operators, construction companies, local government authorities and major industrial undertakings.

Extreme care is taken by FUELTEK to ensure all products are engineered for intensive use in harsh environments and all software is easy to customise and use.

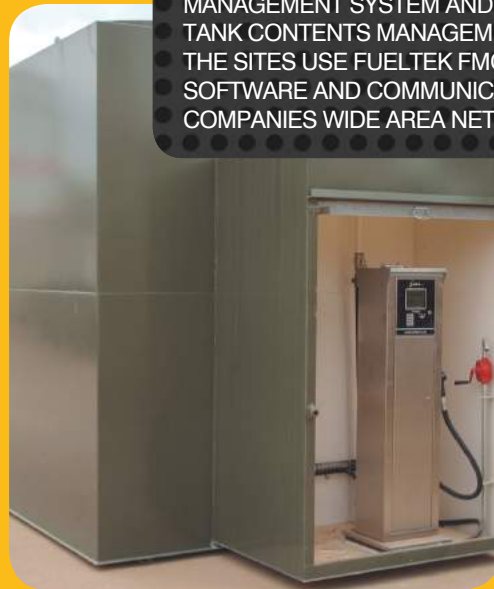
Increased Reliability Better Quality Information

Fuel and its usage represent a considerable overhead to any business operating a fleet of vehicles. It is vital that transport operators have the best tools available to help them manage their fuel usage, enabling cost savings to be made, leading to increased profitability across the fleet.



NEAS – NORTH EAST AMBULANCE SERVICE INSTALLED 25 FUELTEK SYSTEMS AT 20 SITES THROUGHOUT THE NORTH EAST. EACH FUELTEK SYSTEM IS CONFIGURED TO READ AND ACCEPT PHH ALLSTAR FUEL CARDS AS MEANS OF ACCESS, THE AUTHORITY ALREADY USED THESE CARDS FOR FUELLING OFFSITE AND WANTED TO USE A SINGLE DEVICE FOR BOTH ON AND OFFSITE FUELLING.

CPI EUROMIX – HAVE NINE SITES THROUGHOUT THE UK, EACH SITE HAS A 45,000 LTR FUEL STORAGE TANK - FT4000P INTEGRATED FUEL PUMP AND FUEL MANAGEMENT SYSTEM AND TANKWATCH TANK CONTENTS MANAGEMENT SYSTEM. THE SITES USE FUELTEK FMO MULTI-USER SOFTWARE AND COMMUNICATE VIA THE COMPANIES WIDE AREA NETWORK.



EXPRESS PARCELS – MANCHESTER, UTILISE A 50,000 LTR FUEL STORAGE TANK, AN FT4000P INTEGRATED FUEL PUMP AND FUEL MANAGEMENT SYSTEM AND A TANKWATCH TANK CONTENTS MANAGEMENT SYSTEM.





Ring us now on: **01254 291391**
Email us at: **sales@fueltek.co.uk**
or Visit: **www.fueltek.co.uk**

Our Customers

Fueltek have many satisfied customer gained over many years. We always try to design simple hardworking products and install and support products to your satisfaction. We cannot claim never to make a mistake but always try to rectify mistakes or shortcomings immediately. We will always put your interests first.



Our Customers



and many more



CUSTOMERS OF MORE THAN 10 YEARS STANDING



Stephen Fagan of Fagan & Whalley said we have used the Fueltek system for over 10 years and it has been a complete success, we are getting exactly what Fueltek claimed we would get in terms of security and control. The software is simple to use yet gives in -depth analysis of all fuelling activity. We now have Fueltek systems on three of our sites

and report both locally and centrally, we are very happy with our choice of system supplier”.

Mike Pendleton of Holmeswood Coaches installed a Network of Four sites using the Fueltek FT4000. All sites communicate via GPRS Modems with the Fueltek FMO Software located at Holmeswood Coaches Head office in Holmeswood.

Mike Says “ I am very pleased with the Fueltek system. The system has been installed for 10 years in total now and has proved to be reliable and trustworthy, upgrades to the Fueltek system has meant it has kept pace with technology, meaning we still have a modern up to date system even though it was installed 10years ago. With the Fueltek System we have full control over our fuel stocks and can identify real cost savings.

White and Company PLC, a National and International Removals and Storage Business.

We initially installed Fueltek equipment on 13 of our sites 10 years ago, our sites are located throughout the UK and as far apart as Forres, north of Inverness and Plymouth in the South West. The hardware installed on each site reports back to Fueltek FMO and enables us to report back both locally and centrally. Fueltek have kept the system modern and relevant over a 10 year period , we cannot see why we would not be using the same system in another 10 years.

We also input fuel transactions from fuel cards to the system, this gives a record of all fuel transactions by company vehicles.

We have been very happy with the service provided by Fueltek. The equipment has proved to be reliable, the software and reporting package is user friendly. The information we get from the system is relevant and informative and the after sales service provided is very good.

We would have no hesitation in recommending Fueltek to any other organisation.

National Veterinary Services. STOKE – ON - TRENT

Fueltek have provided us with fantastic products and a fantastic after sales service, we installed a complete package comprising a 54,000 ltr Fuel tank, two Fuel Pumps with integral fuel management systems, tank contents gauging and alarms to prevent overfills more than 10 years ago. When we purchased the system we expected our pay back time to be about 18 months, we recovered the costs in about 13 or 14 months. We recently upgraded the Fueltek reporting software to FMO web hosted and browser based software. Fueltek have provided us with a very professional level of service, from the initial sales visit and specification of the system, through the installation process to after sales care and the level of support they continue to provide.

We cannot speak highly enough of Fueltek and would recommend them to any company considering purchasing this type of equipment.



LUCE BAY PLANT – Uses 4 FUELTEK systems to keep its operation moving.

We installed the Fueltek system many years ago, the Fueltek System has proved very reliable. The environment on our site is very harsh, we had experiences with previous systems that were unreliable and fell into disrepute. The Fueltek System has proved more than capable of meeting our demands and we have saved money by having the system in place.

Lynch Plant Hire – 5 site locations .

TESTIMONIALS

“Fueltek delivered a fuelling station with datatag and associated fuel management software. The project was inclusive of civil works, as well as the supply and install of fuel tank, fuel dispensing and associated software systems, the project was delivered on time and on budget”.

Tom Shuttleworth
Wigan Council
Project Manager

“Kingspan Environmental Ireland Ltd, have had an ongoing business relationship with Fueltek since 2006. We have found them a very professional company to work with”.

Jonathan Heasley
Kingspan Environmental Ireland Ltd
Sales Manager

“Extremely reliable and easy to use product. Suits our needs perfectly”.

Stephen Rickerby Carlisle City Council Transport Manager.

“Excellent installation, very qualified engineers”.

Jim Rafferty
Managing Director
Bernard Hunter Cranes

“The quality of the product is good and it does what is says on the tin “.

Frank Gardner
Viridor Waste Management
Kent Ltd

“From my first contact, FUELTEK were very informative, they gave me alternatives and helped me decide on the best package, they made me think outside the box, and it has turned out to be a very good decision”.

Peter Jones
Director
Alan R. Jones Ltd



VISIT OUR WEB SITE @ WWW.FUELTEK.CO.UK TO SEE MORE REFERRALS OR
SIMPLY RING US AND ASK FOR A REFERENCE SITE IN YOUR AREA.



CASE HISTORY : ***AINSCOUGH CRANE HIRE***



Ainscough Crane Hire use Fueltek as the supplier of fuel management systems to their organisation. Ainscough Crane hire have many sites U.K wide, 25 of these sites store large quantities of fuel for use in their own vehicles use and have a requirement to manage the storage, handling and dispensing automatically.

The Ainscough fleet is mainly cranes, but also includes light commercial vehicles and company cars. Ainscough Crane Hire use in excess of 500,000 ltrs of fuel each month. With such high fuel usage it is essential to have some control over how, when and why the fuel was used.



Fueltek have installed hardware which includes Fuel Storage Tanks, integrated high speed fuel pumps and fuel management systems which control dispensing and allows only authorised users access to fuel. and Tankwatch tank contents management systems .Access is controlled via Datatag which is a proximity device with no moving parts.

Before fuelling can commence each driver has to insert the datatag follow a procedure which includes entering an hour meter or odometer entry and a secure code which identifies the driver. The system will only allow fuel to be taken if the vehicle datatag is authorised and valid and if the correct procedure has been followed.

Jim Fleming Heavy Crane Division manager for Ainscough Crane Hire said “ we are very happy with the Fueltek Systems they not only provide us with the security we need at individual depots they also provide us with essential information to enable us to increase efficiencies across our fleet. We receive management information through the Fueltek polling bureau service which has proved very succesful, it previously took many hours and often much guesswork, accounting for fuel usage and cross charging between departments and depots, this information is produced quickly and concisely by Fueltek which releases Ainscough staff to perform other essential tasks. We have used other systems in the past but none have proved as reliable, flexible or as informative.

CASE HISTORY: BWDBC.

(Blackburn with Darwen Borough Council)



Council Upgrades Fuel Management Systems and Storage for Better Control and Carbon Reduction.

A major upgrade of storage and fuel management facilities at Blackburn with Darwen Council's Davyfield Road depot has been achieved with minimal disruption by fuelling infrastructure specialist Fueltek. Fuel cost, accountability, energy use, environmental protection and carbon reduction are serious issues for local councils and many organisations that operate large and diverse vehicle fleets.

The Davyfield Road depot is a central resource for council departments and was equipped in the 1980's with fuel storage tanks and a basic fuel management system. Due to the age of the system, the original fuel management equipment supplier was no longer able to provide service. In addition, the protective catchment (bundling) which was open to the elements had deteriorated and there was a danger of tank leakage that could lead to environmental damage. Diesel was housed in a different part of the depot to the gas oil used for mobile plant, making it time consuming for vehicles requiring both diesel and plant fuel.

Five companies tendered for the work and Fueltek, based in Blackburn and a major national supplier of fuel management and infrastructure systems, was the successful contractor. The company offered a complete fuel storage and management package and undertook to complete the new system with minimal disruption to the busy depot.

The fuel storage package installed comprises dual tanks of 50,000 litres for diesel and a compartment of 10,000 litres for gas oil. This is a complete unit, allowing drivers who need diesel and gas oil to access both from a single location. Both tanks are housed within a single totally-enclosed steel bund. Fueltek's Tankwatch fuel gauging system is fitted to constantly monitor tank contents, provide accurate recording of deliveries and give early warning of primary tank leakage.

Fuel access and dispensing is under the control of two FT4000 fuel management units, each activated by presenting a pre-programmed datatag to the reader on the unit. There are 145 authorised drivers who have each been issued with datatags specifying their individual fuel drawing rights. In addition, 24 tags have been issued to those drivers who use portable plant and need to draw gas oil. The driver must enter vehicle mileage readings before diesel is drawn so that the system captures this essential information.



CASE HISTORY BWDBC.



Software from Fueltek provides detailed analysis and reporting. Using these reports it is easy to pinpoint where vehicle or driver performance differs from the norm. This could then trigger technical investigation of the vehicles in the workshop or driver training to improve performance.

Blackburn with Darwen's executive member for Environmental Improvement and Sustainability, councillor Faryad Hussain said. "We are constantly striving to improve the efficiency of operations and reduce cost. The fuel management reports provide essential information for both immediate action and for long term strategic planning of the fleet. For example, we can produce reports on the comparative performance of vehicles in the same class assisting the council in future vehicle choice and in meeting goals for carbon reduction."

The complete system was installed during one day. "The Council were keen that the installation caused minimal outage and disruption to the busy depot. We arranged for the removal and dismantling of existing tanks and ancillary equipment, fitting the new tanks and control equipment and for fuelling and commissioning all in one day," explained Fueltek managing director Martin Devine.

"We were impressed with the speed of the exercise, not least because we were able to fuel the first vehicle at 4 PM on the same day as the installation," added councillor Hussain.

Fueltek is the most experienced fuel management company in the UK serving local authorities and any organisation – from companies with small fleets to multi-site transport operations. They undertake complete turnkey systems or will upgrade existing installations, integrating their equipment with existing tanks and equipment where this is sound and suitable for purpose.

CASE HISTORY: NESTLE



Fuel Management: Nestlé Lead the Way

York is the northern distribution centre for Nestlé from where their famous brands of coffee, water, chocolate confectionery and cereals are distributed to major retail hubs. The centre has a fleet of 184 trailers hauled by 16 MAN tractor units. In addition there are 13 tankers for liquid chocolate. On site fuelling was provided from a 50,000 litre diesel tank using a 15 year old fuel management system.

Environmental Goals – A Key Driver for Change

A key factor in the updating of fuelling facilities was the introduction to the York site of the ISO 14001 environmental standard. This requires companies to look carefully at all material and energy inputs to the business, all processes and waste streams. The aim is to reduce material and energy consumption, reduce CO2 emissions and ensure that waste streams and pollution are reduced as much as possible and material recycled wherever this can be achieved. ISO14001 is not a single achievable goal, but a continuous process so companies are obliged to continue to improve their environmental performance.

Improved fuel management was identified as one area where Nestlé could make inroads into their 14001 goals. The aging fuel management hardware had become unreliable and unable to produce adequate information on fuel use and fleet performance. Existing bunkering arrangements, though sound, were inflexible. There were also issues concerning the long term storage of modern diesel. With its seven percent bio-diesel content this gave rise microbial action and the formation of microbe colonies that could affect vehicle performance.

CASE HISTORY: NESTLE



Fueltek Recommendations and Implementation

Fueltek were asked for their recommendations. They suggested a comprehensive upgrade, with an additional 50,000 litre tank to provide a strategic fuel reserve, special pumps and filters, new fuel management units, a tank contents monitoring system and the latest software for effective access control, reporting and analysis.

The new fuel tank comprises a double walled tank, with in-built bunding that was easily installed on a concrete base, without any need for extensive civil works. The tank is fitted with pumps and filters that remove water arising from the bio diesel content, eliminating microbial action and avoiding the microbes forming colonies in the fuel during long term storage.

Tanks incorporate Tank Watch, a system which provides accurate information on current stock, available tank capacity (ullage) and deliveries. The system has a number of alarm states, including water detection, leak detection, and high or low level alarms. An audible and visible alarm is sounded if Tank Watch detects low fuel stocks or a danger of overfilling. This alarm interfaces with the fuel management software and will send an e-mail alert on the manager's PC or post a text message reminder to a mobile phone. The system will even provide early warning of tank leakage if unaccountable reductions in contents are recorded.

Access to fuel is regulated by two Fueltek FT4000AP units which act as both the fuel management unit and control the pump. These provide speedy, but regulated, access to fuel supplies by means of a robust tag that identifies the vehicle and driver. On presenting the tag the unit prompts the driver to enter the latest mileage reading via a robust keypad before fuel delivery. Capturing this essential data is crucial to the fuel management system as it allows subsequent analysis of fuel usage by driver, vehicle, journey type and other factors.

Collection, analysis and reporting of the information gathered from Tank Watch and the fuel management system is handled by the Fueltek Fuel Management On-line (FMO) software package. This is designed to gather the data and present this to managers via easily customised reports. These highlight where performance falls outside pre-set ranges so that the manager can identify investigate and remedy the fault more easily.

CASE HISTORY: NESTLE



Fueltek will host the software, customised settings and data for Nestlé on their own servers – reducing their overhead on IT support. Reports from the system can be accessed by authorised Nestlé managers via the company intranet. This enables access to data and action to be initiated from the desktop in the office or any mobile device that has a valid connection to the system.



CASE STUDY – HOME BARGAINS – AMESBURY



Here's one for the pub quiz buffs – what is the oldest town in the world? Most of us would probably immediately cast our minds towards the Nile Valley, or to the fertile land between the Euphrates and the Tigris in western Asia, or possibly even further east, to the ancient Chinese kingdoms. Somewhat more prosaically, but even more astonishing for that, the title belongs to Amesbury, a small town in the south of England.

Amesbury is a market town, with a population of around 10,000, situated eight miles north-east of Salisbury in Wiltshire. It lays claim to being the oldest continuously inhabited settlement – not just in Britain, but in the whole world, having been inhabited for 10,835 years. (Approximately - this is a contentious area, but recent research suggests that Amesbury has been inhabited since about 8,820 BCE) Amesbury is also the home of Stonehenge, one of the most famous historical sites in the world, but that's only about 5000 years old.

Amesbury is now also the home to discounting giant Home Bargains that already have offices and a Distribution centre in Liverpool. Amesbury was chosen as the location for their southern distribution centre and will service and keep Home Bargains stores in the south of England stocked.

Home bargains fitted a Fueltek re-fuelling station at the new site to enable delivery vehicles to re-fuel on site and give more management control over fuel usage which is such a hefty chunk of their distribution costs.



CASE STUDY – HOME BARGAINS – AMESBURY



205,000 ltrs is the capacity, of the fuel storage tank installed at the Home Bargains depot at Solstice Business Park. This giant, bespoke-engineered fuel tank was designed, engineered, built, delivered, installed and commissioned by Fueltek and includes the main fuel storage tank which is divided into three product storage areas, Diesel, Gas Oil and Adblue, also fuel dispensing equipment, and all the ancillaries, such as underground pipe-work, leak detection, tank monitoring and Fuel Management systems.



The fuelling location is fitted with Five (5) double side twin FT4000AP units which in effect gives 10 nozzles Four (4) Diesel – Four (4) Adblue and two (2) Gas Oil and a double sided water dispenser. All products dispensed are monitored and access to the FT4000AP's is controlled by a datatag which is a programmable device that automatically identifies the vehicle and allows other information such as current mileage and driver ID to be captured at point of fuelling.

Fueltek designed the fuel island , tank base, pipework runs and all equipment supplied , Fueltek manufactured all equipment and provided an on-site installation and commissioning service to ensure the project reached a successful and useful conclusion.

CASE STUDY – HOME BARGAINS – AMESBURY



The Fueltek is fitted with Tankwatch that monitors the tank contents and reports on current stock holding stock deliveries and stock throughput, tankwatch also provides alarms on exceptions such as unusual stock movement and events such as bund leak and overfill states. Tankwatch provides temperature compensated figures which are accurate to 0.3 %.

Fueltek are first and foremost an engineering company, and one which is totally focused on fuel management. And that means every aspect of fuel management. From the very largest projects, like Home Bargains in Amesbury, to the simple installation of a single replacement dispensing pump for a customer of 10 years standing. Fueltek is a full service fuel management company, which is absolutely focused on making sure that its customers get exactly what they need to suit their own specific operations and to match the particular requirements they have for managing their fuel, from delivery to consumption.

Fueltek design and develop both the hardware and software and have years of experience in the business. The primary aim is of course to make sure that Fueltek customers can properly and efficiently manage what is, for almost all of them, a very large part of their operational budget. The key word is efficiently. Fueltek Fuel Management software has been developed over many years, and is sophisticated enough to cope with virtually any operational requirement. Indeed most Fueltek customers probably only use perhaps 20% of the software's capabilities. But that is because that is all they need to use.

CASE STUDY – HOME BARGAINS – AMESBURY



Other users might have very different requirements. A fleet of ambulances has very different needs to a long-haul trucking operation for example. The important thing for all of them though, is not to be inundated with a lot of data. What they need is information; the key information required to run their operation safely, securely and efficiently. If they need a report every day at a certain time, Fueltek will set up the system to do that for them automatically, if they need a report every week, no problem. If they want to use the alert system, Fueltek work with them to tailor the alerts so that they know exactly what is going on, but aren't flooded with system flags which are unimportant to them. Fueltek work with customers and tailor the system to optimise their own workflow.



Fueltek customers can be sure their project (and their investment!) is in safe hands and that Fueltek can deliver exactly what they need and keep it working for them for the full life of the installation. Fueltek design and manufacture all their own products and are completely dedicated to making sure they deliver what has been promised.



Fueltek offer a complete service, we can help with information ranging from site requirements to electrical standards and environmental concerns. We can arrange site surveys and on-site demonstrations of our products if required.

Ring us on: **01254 291391**

Email us at: **sales@fueltek.co.uk**

or Visit: **www.fueltek.co.uk**

Address:

**FUELTEK Ltd. Lang Court, Nuttalls Way,
Blackburn, Lancashire BB1 2JT**



Technical Support:

Telephone: 01254 291391

Email: support@fueltek.co.uk