

## total military refuelling solutions



refuellers

hydrant dispensers

hydrant carts

pumpsets

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service

## non tactical refuellers

Within the modern theatre, deployable assets are vital. By matching the refuellers configuration to the requirements of air transportability and A.D.R. flexible deployment is achieved. Coupled with a proven ability to operate in climatic extremes continuous fuelling operations is assured.

Bulk refuellers for airfield use range in fuel load capacity from 5000 litre rigid vehicles and up to 50,000 litre articulated and drawbar trailer units – with modular systems tailored to meet modern day aircraft refuelling pressure and flow-rate requirements. Optional low profile design and defuelling capability, which combined with the very latest electronic metering equipment and safety systems, result in a state of the art refueller vehicle. Over 300 refuellers supplied to the RAF.



## tactical refuellers

**Fluid Transfer International** have a proven design and construction history in tactical refuellers. The refuellers incorporate rugged, well engineered refuelling equipment with increased mobility, levels up to and including Improved Medium Mobility are available. By blending ergonomics, durability and experience these refuellers can be operated in the most taxing environments including cold weather and N.B.C.

312 Unit Support Tankers supplied since 2007.



Designed for one-man operation, and equipped with underwing and overwing refuelling capability, the operating controls and instrumentation are carefully positioned at the compact, ergonomically laid out control station for ease of use.



## hydrant dispensers

### performance meets the most demanding operations

Incorporating the most up-to-date safety and operating systems these standard modules, with a pre-set but generous range of add-on options, can be adapted to meet your individual needs. Pre-qualified, performance tested modules can be shipped from our factory for mounting to locally sourced chassis units around the world.

Utilising the latest 3D CAD modelling, bespoke tailor-made designs for individual customer requirements, to their exact specifications are undertaken by our highly experienced and competent design team.

Optimised pipework design and routing reduces to a minimum system pressure losses, thereby maximising flowrate performance and efficiency. Safety features include the FTi closed circuit visual check fuel sampling system, and electronic deadman timer.



## pump sets

### a wide range of bespoke solutions for the end user

From simple barrel emptying pump units used at remote airfields, to the more sophisticated compact engine driven portable pump sets, FTi has a solution for the needs of the end user. Our pumps can draw from various fuel sources such as tanks, barrels and flexible rubber bladders, which when deployed with our extensive range of quick disconnect couplings allow for speedy temporary or static field refuelling operations.



## hydrant carts

### a new concept in refuelling operations

The **NVE** brand of refuelling carts introduced a new concept in refuelling operations. The concept is based on a mobile cart containing all the equipment for aircraft fuelling that can be parked at a convenient satellite and remain on the ramp to be hooked up when required. Suited to larger hub operations the standing principle reduces potential incidents with other ramp vehicles, improving safety and efficiency. The removal of a vehicle chassis, coupled to the ease of servicing also significantly cuts downtime and maintenance costs.

The **Narrow Body Cart** has set the industry standard in performance and capability yet remains the most compact cart on the market today.

The **Millennium Cart** offers all the features and options of a high performance mobile vehicle hydrant dispenser at a fraction of the cost.



# components

## design, development and evolution



With 30 years experience supporting fuelling companies around the world, FTi has designed, developed and evolved various niche components which have then been incorporated in our vehicles and systems. These components are now being specified by operating companies and utilised by other original equipment manufacturers. This range of industry standard components is grouped under appropriate headings below (a brief list of examples follow):

### Safety

Input hose mechanical 'easi-lifts' and fully controlled hydraulic powered lifting rail mechanisms.

Aviation Hose Pressure Test Pump.

Earth bonding and lanyard reels either manual or auto rewind.

Control and safety equipment features brake interlock status monitoring and display, and electronic deadman system with intermittent re-set device control.

### Quality

Closed circuit fuel sampling units ranging in capacity from 4 litre to 160 litre.

### Hose Assemblies, Reels & Pumpsets

A wide spectrum of hose reels capable of accommodating from Ø12mm to Ø 100mm hose, assembled and tested to EN1361.

### Swivels and Venturi

Heavy and light weight swivels for various fuel transfer applications.

### Couplings

FTi Aviation Tank units.

Fulcrum industrial range of fittings "suitable for refinery to delivery point": Dry-break self-sealing couplings ensuring the safe transfer of hazardous liquids.

### Meters

Range of bulk flow positive displacement meters, 200-4166 lpm.



# marine

## compact modular aviation fuel systems

Building on the companies experience gained from the design, construction and in-house testing of refuelling systems for vehicles and skid-mounted systems, FTi has developed a range of compact modular fuel systems for marine based requirements. Our innovative solutions are suited to both naval and civil marine Helicopter and Aircraft refuelling applications. Germanischer Lloyds approved for HIFR equipment.

Suppliers to the following:

U.K., Royal Oman, Trinidad & Tobago, Brazilian, Royal Dutch and Venezuelan Navies.



# company profile

## quality, performance and value for money

As a leading global company for providing total military refueling solutions, Fluid Transfer International has been the preferred partner to the UK MoD and the world's major oil companies for over 30 years. Using this solid foundation we are able to serve military defence organisations of numerous countries, with many long-term supply contracts.

Focusing on the design, development and manufacture of multipurpose refuelling vehicles and equipment, the principal product range includes bulk refuellers, hydrant dispensers, refuelling carts, portable and static refuelling systems and pumpsets. Additionally Fluid Transfer International manufactures and markets an extensive range of associated components, as well as the distribution of Fulcrum dry break couplings and Satam meters.

The Fluid Transfer brand is synonymous with quality, performance and value-for-money, serving the world aviation market from its Gloucestershire, UK, base in association with its appointed strategically located global affiliates. Increasingly, our international clients are utilizing the Fluid Transfer Modular Refuelling Systems Concept benefiting from maximum flexibility in terms of cost and expediency.

The company is fully quality accredited by the British Standards Institute to ISO9001: 2008.

For further information on our range of products and services, please visit our website [www.fluid-transfer.co.uk](http://www.fluid-transfer.co.uk)

Factory visits are always welcome; please email [sales@fluid-transfer.co.uk](mailto:sales@fluid-transfer.co.uk) for information.



# service support

## clients' needs are our number one priority

Timely response to our client's product support needs is our number one priority. FTi's experienced and technically knowledgeable customer support team has the resources of our field service engineers, backed up by an extensive stock holding of spares and components from our UK base. From routine maintenance and service contracts to emergency repairs and modifications, minimum downtime is guaranteed, resulting in maximum operational availability and utilisation of your equipment. Not only can we supply leading brand spares, but the expertise of our customer support team will source all replacement parts for any manufacturers' equipment. Full meter calibration carried out on site to weights and measures standards.

Fluid Transfer International is the holder of numerous long-term Post Design Services contracts for continuing support and evolution of equipment on behalf of UK MoD. Our professionally qualified and experienced technical team is able to react at short notice to customer's requirements. A solution will be quickly targeted and implemented.

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