

total aviation refuelling solutions



refuellers

hydrant dispensers

hydrant carts

pumpsets

components

service

refuellers

providing our customers with reliable state of the art technology

FTi offer a range of refuelling vehicle combinations to service the smallest private aeroplane to the largest commercial passenger aircraft. All vehicles are designed for one-man operation with the operating controls and instrumentation compact and ergonomically positioned for ease of use. Modular systems are tailored to meet modern day aircraft refuelling pressure and flow-rate requirements.

FTi aircraft refuellers range in fuel load capacity from rigid vehicles of 5,000 litres to 25,000 litres depending on configuration and articulated vehicles up to 50,000 litres. The rigid vehicles can also be configured to tow drawbar trailer units up to 45,000 litre capacity to give an overall useable fuel capacity of 70,000 litres.

Options such as low-profile vehicle designs, defuelling and recirculation capabilities are also easily accommodated, which combined with the very latest electronic metering equipment and safety systems, provide our customers with reliable state of the art refueller technology vehicles.



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 dispensers

performance meets the most demanding operations

The Optimas and Aptus hydrant dispenser modular vehicles have set a new benchmark in equipment standards, offering competitively priced modules in a shorter lead-time whilst 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.

In response to into-plane operator demands, FTi has developed the Low Profile Mini Dispenser. Conceived to service the fuelling needs of the "low cost - no frills" airlines, this vehicle provides a quick response solution for low-wing aircraft such as Boeing 737/757 & Airbus A319/A320 typically used by the low cost carriers. Since the vehicle has a low profile height and shorter chassis length it is easier to position around congested aircraft.

Alternative, 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.



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



Drawing on our experience over the years supporting fuelling companies the world over, 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 Reels & Pumpsets

A wide spectrum of hose reels capable of accommodating from Ø12mm to Ø 100mm hose. A selection of different construction material flow paths facilitates the handling of any liquid.

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.



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.

Equipment designs are influenced by the size and weight constraints imposed, achieving both without compromising ease of use and most importantly safety.



company profile

quality, performance and value for money

As the leading global company for providing total aviation refuelling solutions, Fluid Transfer International, FTi are recognised as the preferred partner to the world's major oil companies and commercial into-plane operators. Focusing on the design, development and manufacture of aircraft refuelling vehicles, systems and equipment, the principal product range includes bulk refuellers, hydrant dispensers, refuelling carts, portable and static refuelling systems and pump sets. Additionally FTi also manufactures and markets an extensive range of associated components, as well as distribution of Fulcrum series dry break couplings. The company also serves the military defence organisations of numerous countries, with many long-term supply contracts.

The FTi brand is synonymous with quality, performance and value-for-money, serving the world aviation market from its UK base in association with its appointed strategically located global affiliates. Increasingly, our international clients are using the FTi Modular Refuelling Systems Concept benefiting from maximum flexibility in terms of cost and expediency. The Optimas and Aptus Modules and the latest Low-Profile Mini Hydrant Dispenser are leading examples.

A sister organisation, Fluid Transfer Limited, concentrates on new product development, and project focused programmes for the aviation refuelling industry.

The company is fully quality accredited by the British Standards Institute to BSEN ISO 9001: 2000.



customer service

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.

The services of our skilled test engineers are available to interface with the operational requirements of your Aircraft Refuelling Operations. Testing can be done in-situ or at our purpose built facility at our works.

FTi can liaise with your Fuelling Services Management to co-ordinate the test and inspection of your vehicles allowing minimum downtime of your refuelling plant.

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