

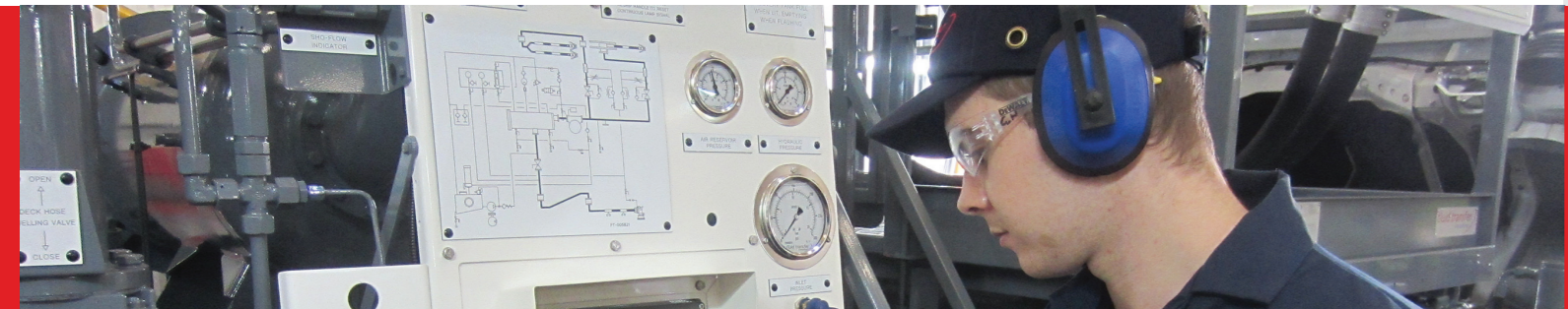
## company profile

### quality, performance and value for money

As the leading global company for providing total aviation refuelling solutions, 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. FTi also manufactures an extensive range of associated components, spares and systems for the after sales market. 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 it's 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 company is fully quality accredited by the British Standards Institute to BSEN ISO 9001: 2008.



## product support

### 'clients' needs are our number one priority

Here at FTi we aim to provide a world class service, offering the complete Product Support package ensuring total peace of mind for our customers' who are at the very heart of our business.

**Training** – a key factor in ensuring product reliability and efficiency along with customer satisfaction. We have available experienced Field Service Engineers who can provide full instruction on the safe operation and maintenance of equipment when required. The training can be offered as cost efficient refresher course, individually tailored to suit the needs of the customer taking into account the experience of operators and maintainers as well as the age of the equipment.

**Service** – Our fully trained Field Service Engineers are utilised worldwide to provide technical support by phone, e-mail and on site. Within the UK they are backed up by their fully equipped service vans which are stocked with lots of everyday consumable items that can be used to solve simple issues immediately. FTi has recognised the need to support our growing customer base in Asia so we have an experienced engineer who is based in Singapore.

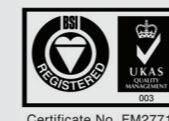
**Spares** – Our Product Support team are backed up by an extensive stock holding of spares and components held at our UK base. Spares that are required can be dispatched quickly and regularly reach remote locations within 72 hours from request.

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## 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 vehicles.



## hydrant dispensers

performance meets the most demanding operations

FTi's "Global Specification" high flow hydrant dispenser named "Meteor" is capable of refueling up to 3,800lpm. Flexibly designed to refuel the largest commercial aircraft including the Airbus A380 or the smallest regional jets. Conforming to the latest European Standard and JIG requirements and fully approved to ATEX electrical requirements.

Meteor modules are often available from stock or part built just requiring your preferred choice of chassis.

FTi were pioneers of the supply of hydrant dispenser and refueller modules for local integration overseas; we have been doing this very successfully for over 20 years to countries such as Korea, Malaysia, China, Indonesia and Thailand to name a few.

FTi's extensive project management experience in supporting overseas customers to integrate modules, backed up by highly experienced engineers, has set us apart from our competitors. This process satisfies many countries local content regulations and offers import duty reductions over a complete vehicle.



## 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): A Product Catalogue is available on request and downloadable from our website packed with over 350 items.

### 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.

Atex approved equipment supplied as new or retro fitted.

### Quality

Closed circuit fuel sampling units ranging in capacity from 3.3 litres 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

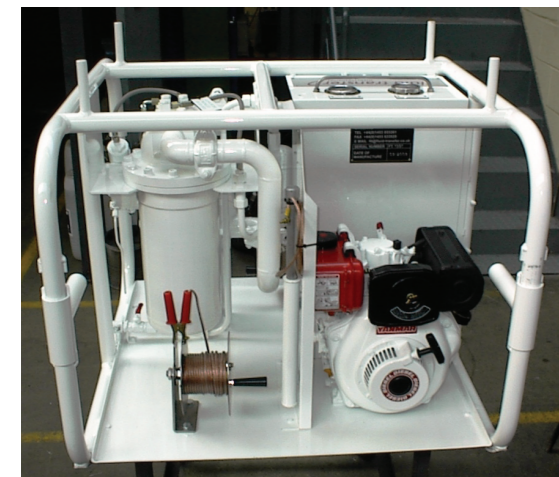
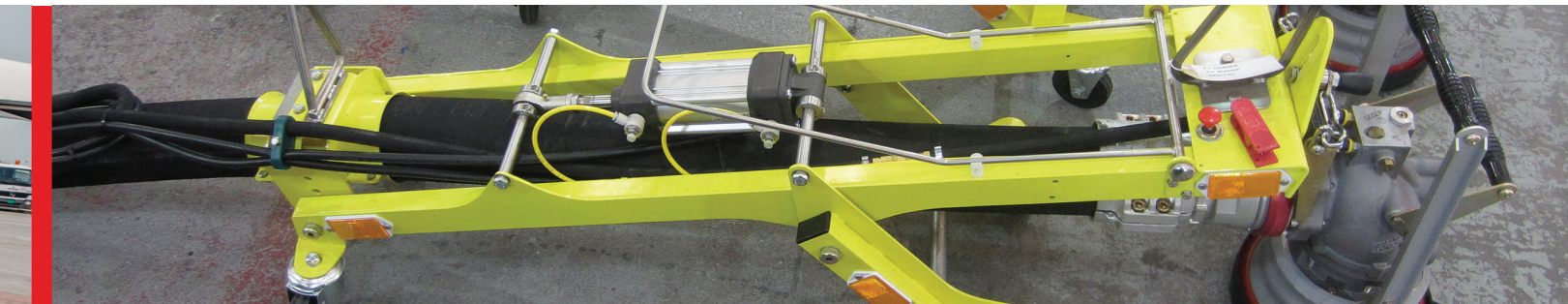
Heavy and light weight swivels for various fuel transfer applications.

### Couplings

FTi Aviation Tank units.

### Meters

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



## 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.

## reduced carbon footprint "RAZER"

The FT RAZER Rechargeable Aircraft Zero Emission Refueller is part of Fluid Transfer's drive to provide improved solutions to the aviation fuelling business. This new electric vehicle design benefits from a number of technological advances both in operating cost efficiency and environmental impact such as:



**Zero exhaust pollution:** The FT RAZER is the first Dispenser with completely zero emissions. That's 0% - NOx, SOx, CO and CO<sup>2</sup>

**Zero noise pollution:** Electrical drive transmissions are noted for their silent operation when travelling.

**Reduced running costs:** The potential cost saving from using off peak electricity against the ever increasing cost of diesel is of significant benefit.

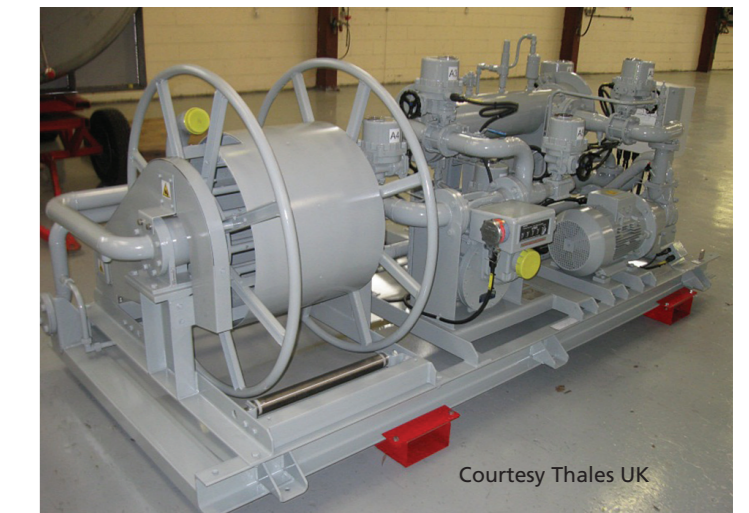
**Reduced maintenance costs:** The vehicle's transmission is reduced to one drive motor locked in a gear for forward and reverse motion. Fewer "moving" components results in reduced maintenance.

## 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.



Courtesy Thales UK