

Offshore Fuelling Systems



eps eastern
petroleum
supplies

*Fuel Management System Manufacturers,
Aviation & Diesel Filtration Specialists*



Introduction:

Eastern Petroleum Supplies Ltd are designers and manufacturers of a wide range of bespoke refuelling, fuel transfer and fuel conditioning systems. Formed in 1982, EPS have over 30 years experience in the aviation fuelling industry, with our knowledge and ISO 9001:2008 Certification we offer our experienced engineers and designers to help solve our customer's requirements.



Regulations:

EPS offshore refuelling systems are designed and manufactured to vigorous international standards. The systems are designed around the international standard CAP 437 (Civil Aviation Publication) 'Standards for Offshore Helicopter Landing Areas'.

EPS systems can be certified by any 3rd party governing body at the customer's request, such as ABS, Bureau Veritas, and Lloyds Register etc.

The transportable helifuel tanks are manufactured to DNV's (Det Norske Veritas) code 2.7-1 'Offshore Containers', static storage tanks and filtration vessels will be designed and manufactured within the ASME (American Society of Mechanical Engineers) Section VIII Division 1 'Rules for Construction of Pressure Vessels'



Other relevant regulations are CAP 748,
API/EI 1581 & API/EI 1583.

Transportable Tanks (TOTE)

Built under the regulations of ASME VIII Division 1 for the tank and DNV 2.7-1 for the outer frame, these transportable tanks offer a robust design which with their ISO container fittings securely mount onto a purpose build skid frame. Available in both horizontal and vertical tank configurations, the tanks are normally fitted with a 3" bottom inlet/outlet valve with a 2.5" dry disconnect coupling to ensure no spillage, a ¾" low point sampling connection, 500mm manhole, 170mm inspection hatch, 2.5" breather valve with flame arrestor and a 152mm manual level gauge.



Standard Sizes: 2,900 Litres, 4,000 Litres & 4,800 Litres
(other sizes available on request)

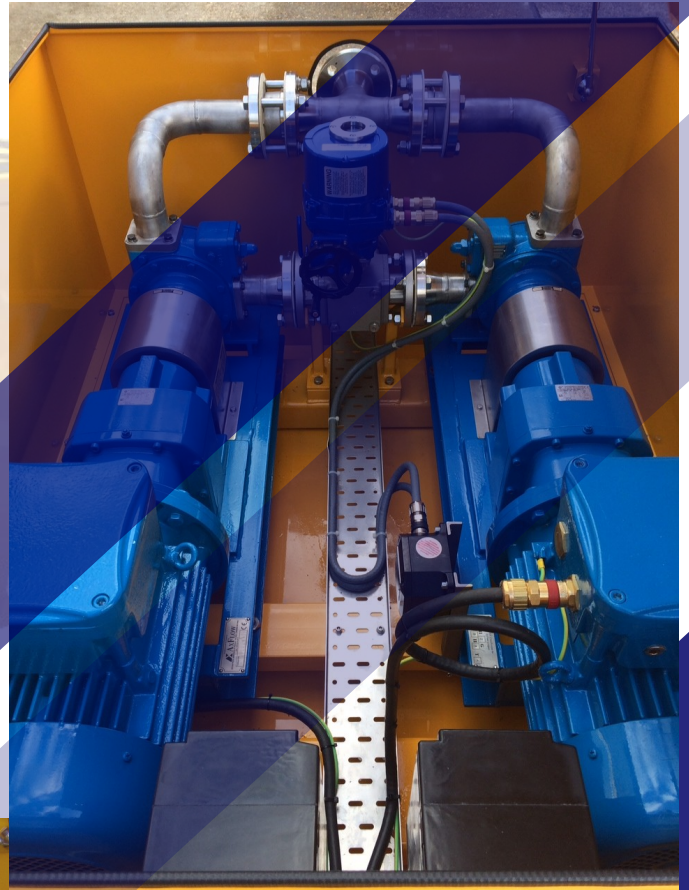
Static Storage Tanks

Manufactured to ASME VIII Division 1 these cylindrical tanks are available in various capacities, normally fitted with a 450mm manhole, a 6" inspection hatch, a 2" breather valve c/w flame arrestor, automatic closure valves & a floating suction arm to ensure the fuel is taken at the highest point in the tank.



Refuelling Pumps

Normally these systems are fitted with 2 refuelling pumps (Duty/Standby) in order to provide redundancy should one pump require maintenance. The pumps can be driven electrically or pneumatically & in centrifugal or positive displacement configuration. In compliance with CAP 437 the pumps should be able to deliver up to 225 litres per minute (60 US gallons per minute) under normal flow conditions.



Dispensing Cabinet

Located as near as possible to the helideck, ensuring compliance to CAP 437 restrictions, the refuelling dispensing cabinet provides all the necessary equipment and assists in the aircraft refuelling operator's refuelling procedure required in refuelling offshore.

The dispensing cabinet is normally fitted with the following components:

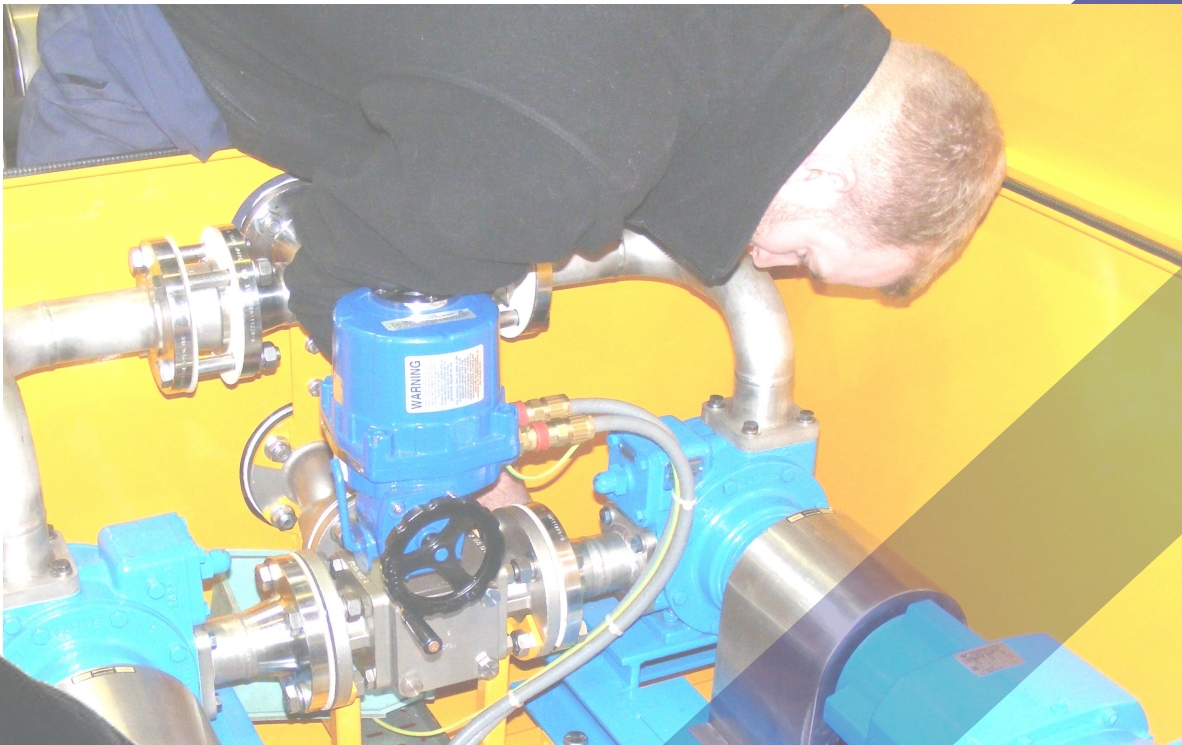
- Filter Vessels build to ASME VIII Div. 1, API/EI 1581 and API/EI 1583
- A Positive Displacement Flow Meter complete with a Strainer Air Eliminator
- Aviation Refuelling Hose built in accordance to ISO 1825 type C
- Aircraft Refuelling Nozzles, both Gravity (Overwing) & Pressure (Underwing) are available
- Positive Earth Bonding, a Permissive Earthing Signal to allow the Pumps to Run
- Fuel Sampling Jar, 3.5 Litre Sampling Jar to check for Water and Particles in the Fuel



Fitted with a roller shutter and in the confines of a cabinet fabricated to suit the equipment and the area to ensure weather proof protection of the equipment inside.

Services

EPS offer a range of services for our offshore systems, providing before and after sales all over the world. Our services include Technical Advice, Commissioning, Training, Maintenance, Spare Parts, Retrofits and much more. These services are available for any manufactured systems to maintain that our customer's helicopter refuelling systems are always operational.



Location

Eastern Petroleum Supplies Ltd are located in the United Kingdom with easy access to international airports providing a quick response to any overseas requirements. With our ASME IX coded welders, shotblasting facilities, spray room & Jet A-1 test rig, EPS can offer everything in house from initial design stage to the Factory Acceptance Test.



Other Offshore Services

Past projects for the offshore industry also include EPS manufacturing and supplying systems for the military, for use with JP-5/JP-8 and for any fuels containing additives.

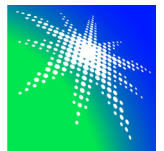


Clients

Technip



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Saudi Aramco



Contact Details

Eastern Petroleum Supplies Ltd
New House Farm
Maldon Road
Steeple, Southminster
Essex, CM0 7RR
United Kingdom

Telephone : +44 (0) 1621 773292

Fax : +44 (0) 1621 772353

sales@easternsupplies.co.uk

www.easternsupplies.co.uk

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- The background image is an aerial view of a ship's deck, featuring a large green helipad with yellow markings. The ship's hull is white, and the sea is visible in the background. A large, dark blue diagonal band runs across the image, serving as a backdrop for the text.
- DESIGN
 - TECHNICAL ASSISTANCE
 - CERTIFICATION
 - MANUFACTURING
 - TESTING
 - COMMISSION
 - TRAINING
 - MAINTAINANCE
 - RE-CALIBRATION
 - OVERHAUL
 - RETROFIT
 - SPARE PARTS