

# Pipework for Transport Refuelling



*...with an increasing product portfolio, dedicated to the Fuel Industry, Durapipe PLX continues to shine through innovation within this market sector.*



# Plastic pipework solutions... high performance for life

## Secondary Containment System



Close-Fit Pipe

Pipe-in-Pipe

### PLX Pipe

PLX Close-Fit:- Used for below ground sections of the system and available in straight lengths or coils.

PLX Pipe-in-Pipe:- Used for above ground fuel transfer applications; is fully UV resistant & is available in coils.

Primary pipes are co-extruded with a polyamide liner using the latest extrusion technology, resulting in consistent and technically superior performance.

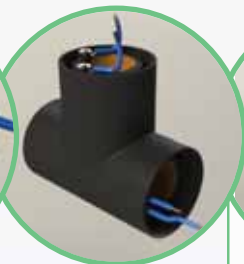
**Size range from 32mm – 315mm**



### PLX Transition Fittings

PLX Transition fittings ensure the safe and continuous flow of fuel when connecting to and from pumps, tanks and other metal threaded and flanged connections. Each transition fitting has been innovatively designed and manufactured using the highest quality PE and a wide range of metals. With the process of installation in mind and ease of use of paramount importance; each fitting is developed to save both time and money. All products are available in Secondary Containment.

**Size range 32mm – 315mm**



### PLX Electrofusion and spigot fittings

The PLX fittings range contains a wide selection of couplers, elbows, tee's and closures, enabling interstitial monitoring and environmental protection. All PLX electrofusion fittings are produced with the highest level of manufacturing precision incorporating precisely positioned electrical heated coils ensuring optimum performance..

**Size range 32mm – 315mm**



## Specialist Pipework for Transport Refuelling applications

Durapipe UK is the world leader in the development and manufacture of thermoplastic pipe systems. Our large product portfolio, manufactured to the highest International standards, allows us to supply widely into a variety of different markets and applications around the world.

The pipework requirements when conveying fuel for transportation vehicles via mass distribution can be complex and diverse, so reliability of the pipe system is of paramount importance.

Naturally, all modes of transport require fuel to enable them to function as required, for example marina's, airports, railway stations and haulage distribution depots all need fuel to economise and perform. Large diameter specialist pipe systems are required to meet the needs of bulk refuelling for these centralised depots that feed different types of transport vehicles.

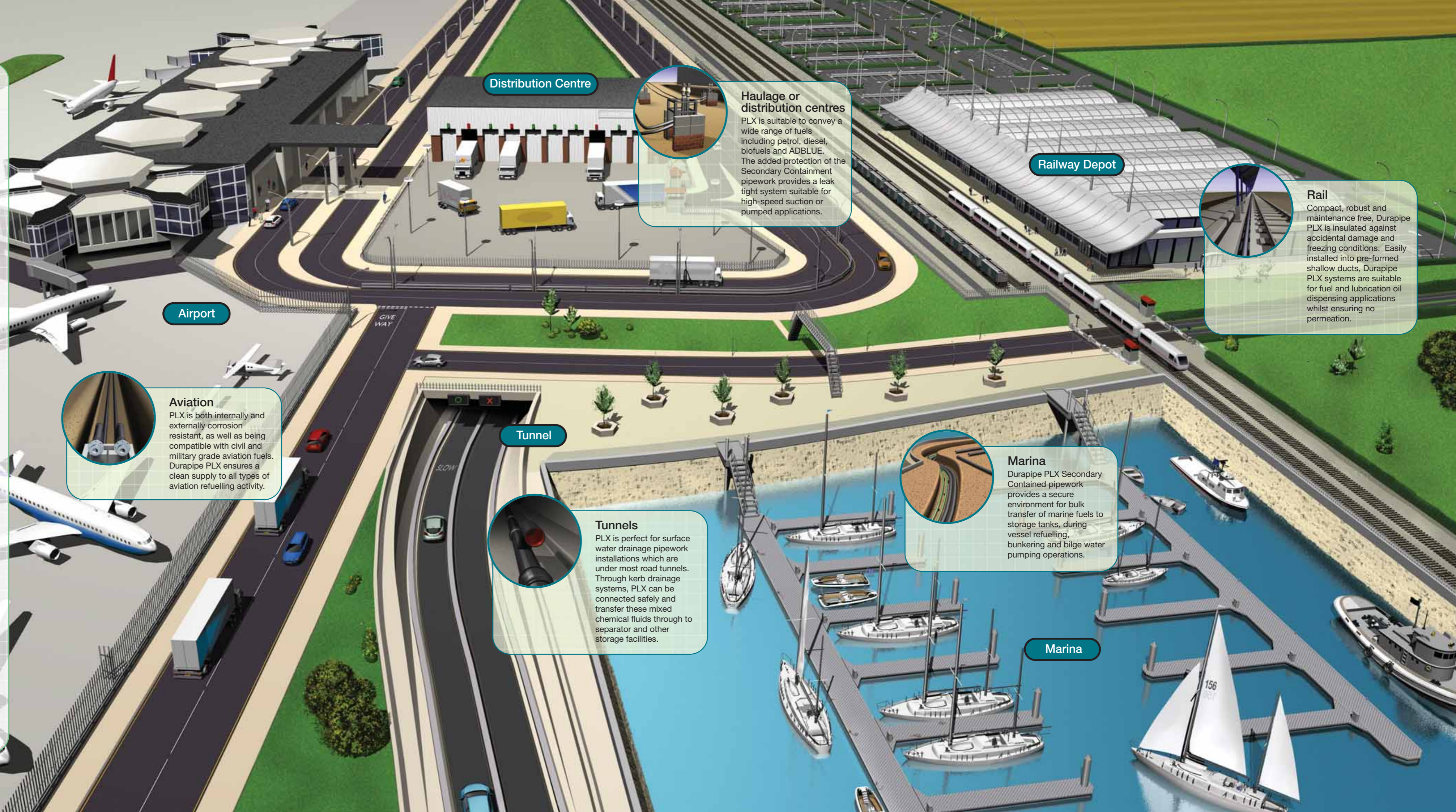
PLX has been installed in numerous large transport depot projects throughout the World. The product has been used to safely convey fuel within major marinas, international airports and busy railway stations.

Durapipe PLX is a high performance fusion welded system that consists of two different secondary contained pipe and fittings ranges; Close-Fit and Pipe-In-Pipe. Furthermore, PLX has a track record of proven performance and product innovations since 1993 and is specifically designed for the safe transfer of liquid fuels and their vapours.

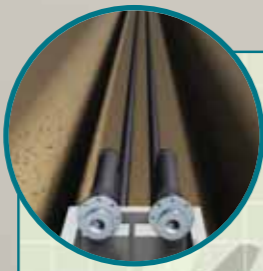
### Durapipe PLX

- Secondary Contained
- Safe and Durable (30 Year Design Life)
- High Performance
- Corrosion Resistance
- Resists Permeation
- Quick, Clean & Easy Installation
- Dedicated range of fittings
- UV Resistant
- Full range of accessories and jointing tools
- Allows for Interstitial Monitoring & Leak Detection

.....all backed-up by Durapipe UK's unrivalled technical support.



**Airport**



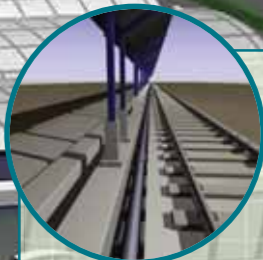
**Aviation**  
PLX is both internally and externally corrosion resistant, as well as being compatible with civil and military grade aviation fuels. Durapipe PLX ensures a clean supply to all types of aviation refuelling activity.

**Distribution Centre**



**Haulage or distribution centres**  
PLX is suitable to convey a wide range of fuels including petrol, diesel, biofuels and ADBLUE. The added protection of the Secondary Containment pipework provides a leak tight system suitable for high-speed suction or pumped applications.

**Railway Depot**



**Rail**  
Compact, robust and maintenance free, Durapipe PLX is insulated against accidental damage and freezing conditions. Easily installed into pre-formed shallow ducts, Durapipe PLX systems are suitable for fuel and lubrication oil dispensing applications whilst ensuring no permeation.

**Tunnel**



**Tunnels**  
PLX is perfect for surface water drainage pipework installations which are under most road tunnels. Through kerb drainage systems, PLX can be connected safely and transfer these mixed chemical fluids through to separator and other storage facilities.



**Marina**  
Durapipe PLX Secondary Contained pipework provides a secure environment for bulk transfer of marine fuels to storage tanks, during vessel refuelling, bunkering and bilge water pumping operations.

**Marina**



## Case Studies



### Durapipe PLX fuels luxury yachts in Costa Rica

Marina Papagayo is a custom designed ultra-wide floating dock able to accommodate up to 180 luxury watercraft in Costa Rica.

Durapipe PLX was used to transfer the fuel from the main storage tanks at high level, along the wall of the marina and down to the filling station pontoon on the marina. PLX close fit secondary containment system in size 50#63mm, PLX 'pipe-in-pipe' system in size 90#160 and a full range of PLX electrofusion fittings, couplers, tees and elbows was used for this application.



### Sugar Wharf HMAS CAIRNS in Queensland

Over 1,500 metres of 110mm and 160mm secondary contained Durapipe PLX pipework and fittings has been installed as part of a major redevelopment of the naval base HMAS Cairns in Queensland, Australia. As part of the redevelopment, the fuel lines needed updating to meet the higher standards demanded by the new facility.



### Quingdao International Sailing Centre.

More than 2000 metres of PLX was installed as part of the construction of the Olympic Quingdao International Sailing centre in 2008. PLX was installed in the newly built service station used to re-fuel the sailing boats competing in the Olympic games. PLX Secondary Contained pipework was installed underground starting at the service station for cars and finishing at the harbour wall for boats.

### Standards and Approvals

Durapipe UK high performance plastic pipework systems are lightweight and easy to install whilst having excellent corrosion and limescale resistance properties.

Durapipe UK products are manufactured to the highest level and meet the requirements of many international standards and approvals.

Furthermore, our products are manufactured in an environment that complies with the requirements of ISO 9001 and ISO 14001.

This document does not contain technical information. For full technical specification along with advice on jointing procedures, please contact our technical support team on 01543 272445

Durapipe UK reserves the right to modify the details in this publication as products and specifications are updated and improved. The content of this publication is for general information only and it is the user's responsibility to determine the suitability of any product for the purpose intended.

For further information on all Durapipe products and services contact our Customer Services Team on +44 (0)1543 273100 or Fax:- +44 (0)800 317875

Durapipe UK is a trade name of Glynwed Pipe Systems Ltd. Company Number 1698059.

For further information on which of our products conform to the various standards approvals shown here, please contact our technical support team on 01543 272445. Conforms to EN 14125



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