

# Mobility Plaza®

## SMARTFLEX system by NUPI

The **SMARTFLEX** complete HDPE multilayer pipe and fitting system for the transfer of automotive and aviation fuels, biofuels and hazardous fluids manufactured by **NUPI Industrie Italiane S.p.A.** and already used and approved by all major international petroleum companies - was installed in one Shell BP Oil service station in the province of Pathum Thani in Thailand.



The **SMARTFLEX** system has many international and local approvals and a vast range of pipes and fittings including single-wall lined pipes for both product lines and vent/vapor and filling lines, double-wall lined pipes for more demanding containment and monitoring requirements, a full range of electro-fusion fittings for safe, corrosion-proof joints, spigot and riser fittings, mechanical fittings, flexible and electrofusion entry boots for positive sealing of sumps, leak monitoring systems, HDPE tank sumps and dispenser sumps, as well as welding units and tooling.

All products are available in a wide variety of sizes and configurations making the system suitable to various kinds of installation, offering cutting-edge technology and installation cost-reduction.

The key materials employed in the production of **SMARTFLEX** is high-density polyethylene **HDPE - PE100** - a material with high durability and working benefits to the user. Moreover, HDPE can be a more cost-effective solution than more traditional materials such as metal.



All **SMARTFLEX** primary piping consists of a multi-layer composite wall lined product pipe that combines the excellent mechanical properties of HDPE with the low permeability and high resistance to hydro-carbons of a new class of polymers used in the lining material and creates a level of hydro-carbon compatibility unattainable by other fuel pipes available on the market today.

The most common applications for **SMARTFLEX** pipes and fittings, both in suction and pressure installations, are road and motorway service stations, harbor and marine service stations, fuel distribution in airports, fuel storage tanks and generator connections to fuel tanks.


The **SMARTFLEX** system has been optimized for use in underground applications and for the conveyance of the widest range of the most common fuels available on the market. It is also compatible with mixtures of these fuels combined in the most varied percentages.


## Contact information

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