

SMART conduit



Product Overview
Company Profile



HDPE Conduit System

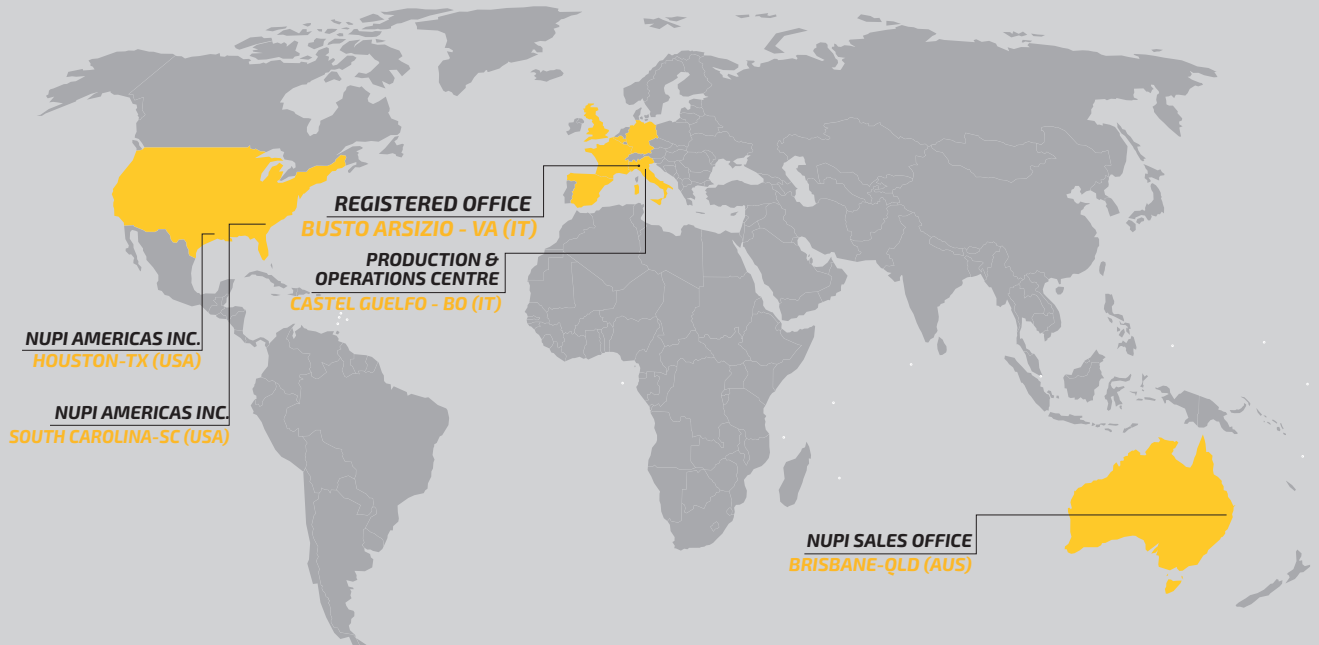


THE COMPANY

NUPI AMERICAS INC. WAS FOUNDED IN 2001 AND IS BASED IN HOUSTON, TX WHERE IT ESTABLISHED A WAREHOUSE AND PRODUCTION FACILITY. ANOTHER WAREHOUSE IS LOCATED IN SOUTH CAROLINA.

NUPI AMERICAS HAS ITS ROOTS IN **NUPI INDUSTRIE ITALIANE S.P.A.**, THAT HAS ITS ORIGIN IN **NUPI S.P.A.** AND **GECO SYSTEM S.P.A.** – TWO COMPANIES WITH MORE THAN 40 YEARS OF EXPERIENCE IN THE FIELD.

NUPI INDUSTRIE ITALIANE S.P.A. AND **NUPI AMERICAS** TOGETHER DEVELOP AND MANUFACTURE PIPING SYSTEMS FOR USE IN INDUSTRIAL, SANITARY (PLUMBING), HVAC APPLICATIONS, WATERWORKS, GAS AND IRRIGATION MARKETS. RELYING ON EXPERIENCE AND CONSTANT GROWTH, OUR COMPANIES HAVE PROVEN TO BE CUTTING EDGE MANUFACTURERS, READY TO MEET THE NEEDS OF THE MARKET WHILE ALSO PROTECTING THE ENVIRONMENT.



IN 1995, FOLLOWING THE COMPLETION OF AN EXTENSIVE RESEARCH AND DEVELOPMENT PROGRAM, WE INTRODUCED A NEW RANGE OF REVOLUTIONARY PIPING SYSTEMS SPECIFICALLY DESIGNED FOR PETROLEUM, CHEMICAL AND PETROCHEMICAL APPLICATIONS. SINCE THEN, TWO SPECIAL PIPING SYSTEMS MADE OF HIGH DENSITY POLYETHYLENE (HDPE) HAVE BEEN MARKETED WORLDWIDE: **SMARTFLEX** FOR THE DOWNSTREAM AND **OILTECH** FOR THE UPSTREAM.

A FEW YEARS LATER, THE **SMARTCONDUIT** PIPING SYSTEM FOR THE CONVEYANCE AND PROTECTION OF POWER AND DATA CABLES IN HYDROCARBON-RICH ENVIRONMENTS WAS DESIGNED.

OUR TRADEMARKED SYSTEMS ARE REAL SYSTEM SOLUTIONS, COVERING A WIDE RANGE OF APPLICATIONS, REDUCING COSTS, AVOIDING WASTE AND INCREASING PRODUCTIVITY. THANKS TO THEIR QUALITY, THESE PRODUCTS HAVE PASSED MANY DIFFERENT TESTS AND HAVE OBTAINED THE MOST PRESTIGIOUS CERTIFICATES AND LISTINGS, IN LINE WITH THE REGULATIONS OF THE FIVE CONTINENTS FOR THE CONSTRUCTION OF WATER AND GAS NETWORKS AND SYSTEMS FOR THE TRANSPORT OF FUELS.

PRODUCING BETTER QUALITY AND BEING COST EFFECTIVE IS THE GOAL, WHICH IS MADE EASIER EVERYDAY BY NEW TECHNOLOGY. OUR COMPANIES ARE CONTINUOUSLY INVESTING IN RESEARCH AND DEVELOPMENT PROGRAMS, WHILE STRENGTHENING OUR PRODUCTION SYSTEMS, OPERATED BY A SOPHISTICATED TECHNOLOGY THAT GUARANTEES THE HIGHEST QUALITY OF PRODUCTS.

OUR FACILITIES USE MODERN, STATE-OF-THE-ART COMPUTER CONTROLLED PRODUCTION EQUIPMENT AND METHODS THAT GUARANTEE PRODUCTS OF THE HIGHEST QUALITY TOGETHER WITH CONTINUOUS QUALITY CONTROL SYSTEMS.

ON THESE SOLID FOUNDATIONS **NUPI INDUSTRIE ITALIANE S.P.A.** AND **NUPI AMERICAS** DEMONSTRATE LEADERSHIP THROUGHOUT THE THERMOPLASTIC PIPING INDUSTRY. OUR CUSTOMERS CAN RELY ON THE BEST QUALITY MATERIALS AND PRECISE MANUFACTURE, OBTAINED THROUGH COMPLETELY AUTOMATED PRODUCTION SYSTEMS RESULTING IN TIMELY DELIVERIES.

CUSTOMER SATISFACTION IS PURSUED THROUGH HIGH QUALITY PRODUCTS AND THE CONSTANT ATTENTION TO OUR CUSTOMERS' NEEDS AND REQUIREMENTS AND BY MEANS OF AN EFFECTIVE TEAM OF PEOPLE IN POST-SALES SERVICE, EFFECTIVE AND PRECISE TECHNICAL ASSISTANCE AND INTENSIVE TRAINING OF INSTALLERS.

PRODUCT

SMARTCONDUIT UL piping system is designed for the conveyance and protection of power, earth bonding and data cables used in the underground wiring system of service stations and associated facilities.

It is a smooth wall 1 inch ID Heavy Duty conduit that is available in 328ft (100mt) coils.

Its heavy duty design allows it to withstand harsh conditions, making it ideally suited **for long term service** in a direct buried environment where corrosive or contaminated soils are encountered.

The electrofusion joining method ensures that the fittings are permanently fused to the conduit for **maximum air tightness and pull out strength**. **SMARTCONDUIT UL has a 30 year guarantee.**



CHARACTERISTICS & BENEFITS

- AMAZING EASE OF INSTALLATION THROUGH ELECTROFUSION WITHOUT THE USE OF GLUE
- LONG-TERM STRENGTH FOR EXTENDED LIFE AND PERFORMANCE
- STRENGTH TO WITHSTAND EXTERNAL LOADS
- AMAZING EASE OF INSTALLATION
- LIGHTWEIGHT AND FLEXIBLE, ALLOWING VARIOUS INSTALLATION METHODS TO BE USED
- LOW COEFFICIENT OF FRICTION, ALLOWING LONGER AND FASTER CABLE INSTALLATIONS
- RESISTANCE TO CORROSIVE CHEMICALS AND CONTAMINATED SOILS
- MOISTURE PROOF AND WATERTIGHT WHEN FUSION WELDED
- EXTENDED OUTDOOR STORAGE LIFE
- RESISTANCE TO RODENT AND WHITE ANT ATTACK
- AVAILABLE IN LONG COIL LENGTHS THUS REQUIRING FEWER JOINTS AND LOWER INSTALLATION COSTS
- TRACEABILITY OF INSTALLATION VIA BARCODE TECHNOLOGY

RANGE

The **SMARTCONDUIT UL fitting** range includes:

■ Electrofusion fittings

The electrofusion fitting range includes couplings (model CMEI) in 1" IPS size. They provide a secure and fast connection for conduit joins and fitting attachment.

■ Spigot transition fittings

The spigot fitting range includes male and female brass NPT threaded adapters (model CAMI and CAFI). They are available in 1" IPS size and allow an easy and fast connection to metal threaded components.

■ Entry boots

The mechanical entry boots (model CEB) assure a positive seal in all single wall sumps. They are available in 1" size.

The electrofusion entry boots for HDPE sumps (model CEBE) assure a fast and reliable connection utilising the electrofusion process. They are available in 1" size. The electrofusion entry boots for fiberglass sumps (model SEBEFM_A and SEBEF_A) assure a reliable connection through a mechanical and epoxy bonding process suitable for both single wall and double wall sumps. They are available in 1" size.

■ Pipe risers

The pipe risers (model SASP and CLRSP) are a galvanised steel pipe covered by an external HDPE jacket. They have threaded ends to allow connection of metal parts to the HDPE components through either threads or electrofusion.



Part no.	OD	Description
TCONI01R100	1" IPS	Conduit pipe OD 1" IPS coil 328 ft (100mt length)
CMEI01	1" IPS	Electrofusion coupler OD 1" IPS
CAMI0101NPT	1" IPS x 1" NPT	Terminating threaded fitting 1" NPT male
CAFI0101NPT	1" IPS x 1" NPT	Terminating threaded fitting 1" NPT female
CEB32	1" (32 mm)	Entry boot 1"
CEBE32	1" (32 mm)	Electrofusion entry boot - PE sumps 1"
SEBEPN32	1" (32 mm)	Mechanical Electrofusion entry boot - PE sumps 1"
SEBEFM32A	1" (32 mm)	Entry boot - SW fiberglass sumps 1"
SEBEF32A	1" (32 mm)	Entry boot - DW fiberglass sumps 1"
SASP3234NPT	1" (32mm) x 3/4"	Pipe riser OD 1" (32 mm) x 3/4" NPT
CLRSP134NPT	1" IPSx3/4	Long riser steel pipe 1"IPS - 3/4 threaded NPT

APPROVALS

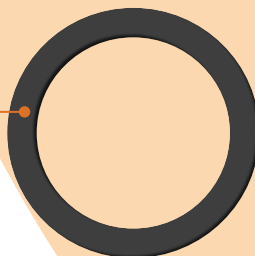


SMARTCONDUIT UL is **UL651B listed** and is manufactured using high performance HDPE in accordance with the UL Schedule 40 conduit dimensions.

Monolayer PIPE

HDPE

It Provides Mechanical Strength and Outer Chemical Protection



TRACEABILITY

The installation **technology based on the electrofusion system** is one of the most used connection methods in the installation of polyethylene pipes. Electrofusion is the thermal junction process between pipe and fitting obtained by heating a resistance wire included in the fitting.

One of the latest proposal by NUPI Americas is **the new SMARTWELD welding machine associated to its NUPI WELDING APP**, an innovative tool that allows installers to jump into the future by eliminating paper and manual management of the information related to the installation of pipes and fittings.



NUPI WELDING CLOUD is an APP designed for the most demanding installers that solves all the problems of welding traceability. It allows a total management of all information



regarding construction site, welds, traceability of the products installed, installation mapping by GPS tracking and all subsequent testing activities. The new **SMARTWELD welding machine allows to carry out welds without errors and manage them by using the latest technologies such as communication via WIFI and Internet** for welding control and data management, a Cloud storage area and fingerprint detection for the recognition of the identity of the operator.



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