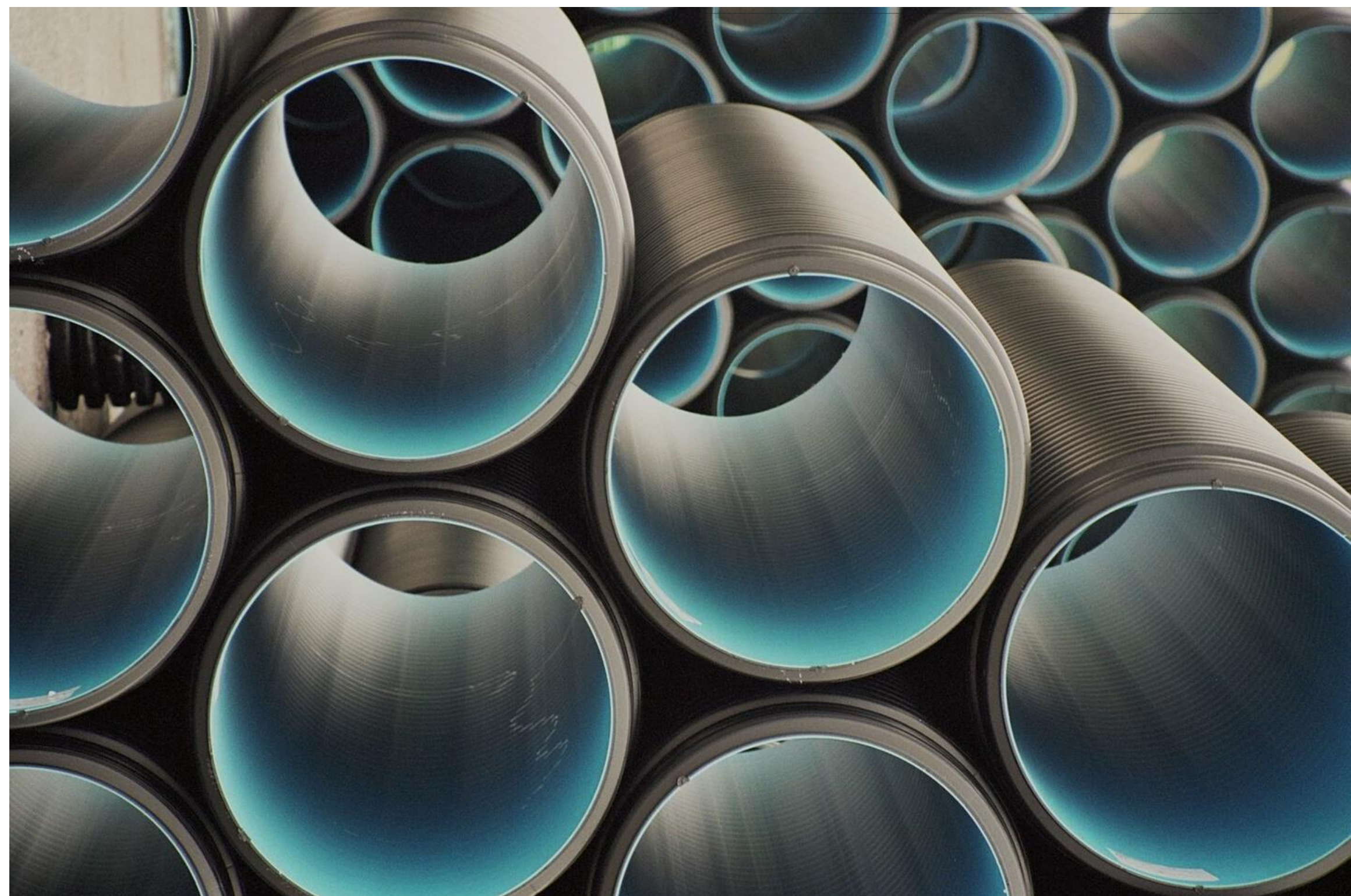




SYSTEM GROUP

GROUP
PRESENTATION





19 factories
4 production site abroad



Polyethylene, Polypropylene, PVC
piping system, and connected
accessories



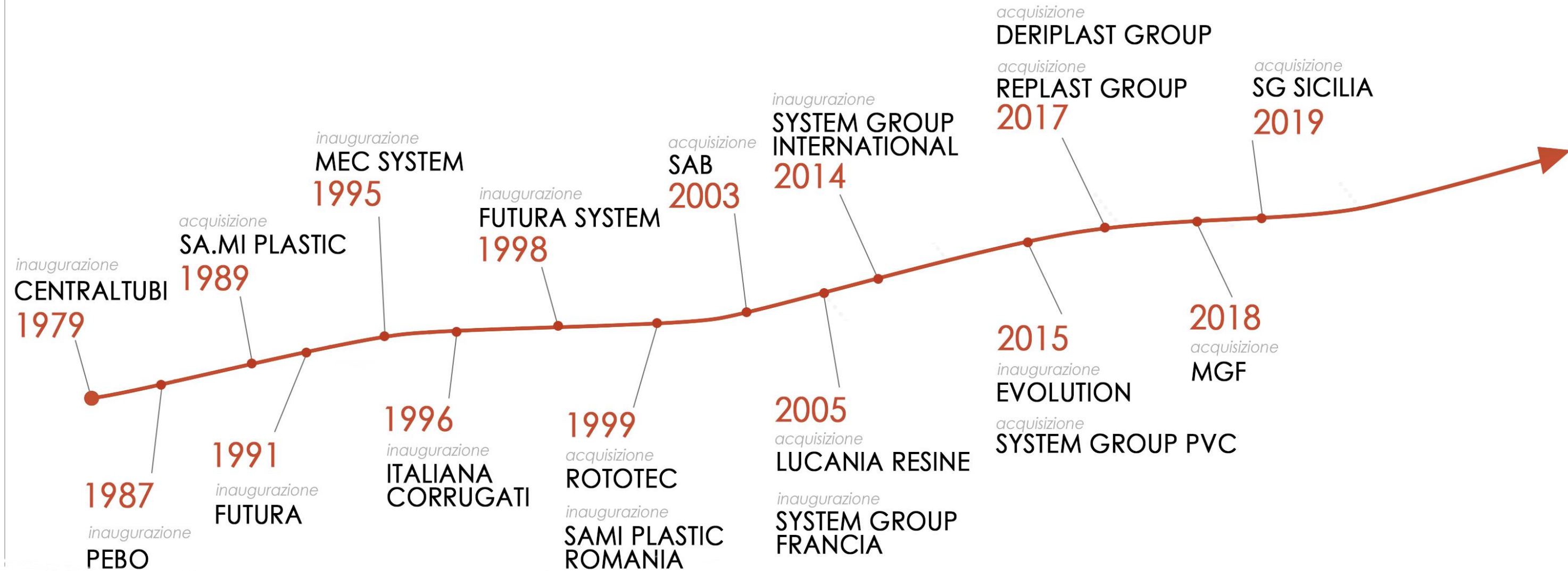
1979 - year of establishment



> 800 employees

How are we structured?

System group over the years



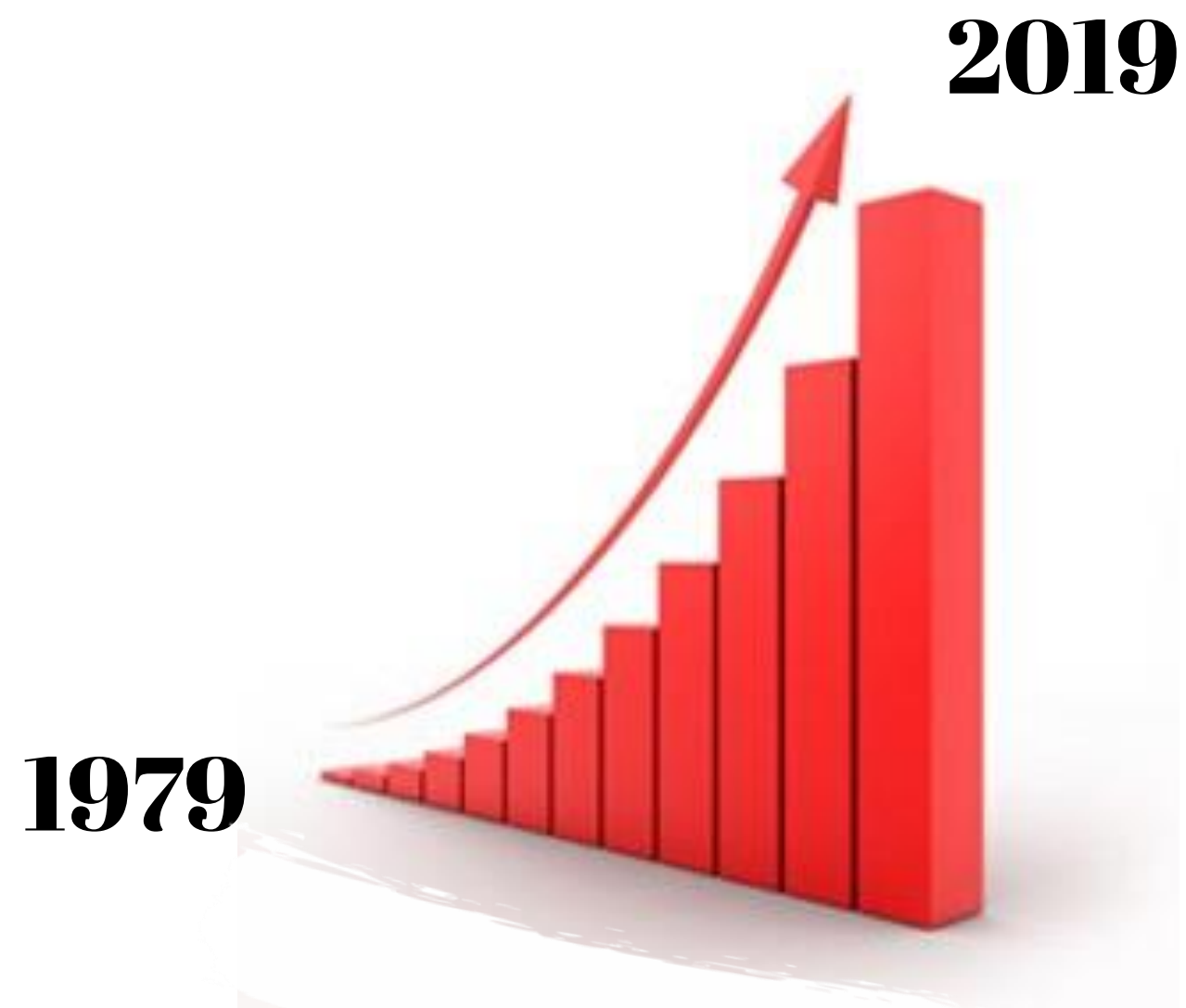
Main PRODUCTS



SYSTEM GROUP

f in yt www.tubi.net





Experience

System group experience starts back in **1979**, with **Centraltubi** production site and only one one extrusion line for polyethylene pipes.

Today, after 40 years, System Group has almost 800 employees.

This, together with our products made us the **leader in complete and innovative piping system** in PE, PP and PVC - in more than 100 countries

System group in the world

SG is both branched and integrated structure that includes different independent companies, each specialised in a specific production; making feasible for us to reach more that 5.000 customers and more than 100 countries



System group companies

THE TRUE MEANING OF
CONNECTED STRUCTURE

 **CENTRALTUBI**
 **ITALIANA CORRUGATI**

SaMiplastic

 **Futura**

 **SAB**

PEBO

 **ROTOTEC**

 **MECSYSTEM**

 **UniLine**

 **Lucania Resine**

HB BOSCARINI

HB SERVIZI

EVOLUTION

**STRADAL
GROUP**

SYSTEMGROUP PVC

 **DERIPLAST GROUP**

REPLAST GROUP

SAMI PLASTIC S.A. 



 **FRIGERIO**
 **SYSTEM GROUP**
KUNSTSTOFF - ROHRLEITUNGSSYSTEME



 **SICILIA**





Activity:

wide range of polyethylene products:

- HDPE, LDPE and MDPE solid wall pipes from Ø 16 up to 1000 mm;
- PE 100 Evolution pipes;
- SGK and SGS spiral and composite pipes.

Extrusion lines: 7

Year of foundation: 1979

Location: Lunano (PU) - Italy

Employees: 50



CENTRALTUBI



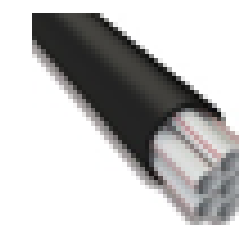
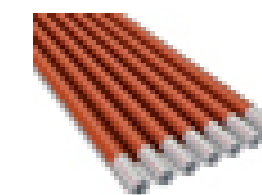
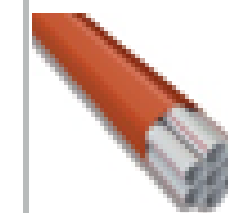
water pipes



gas pipes



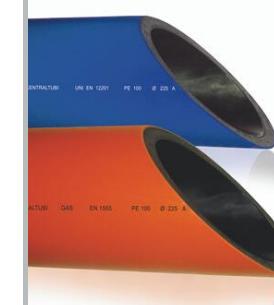
Monopipes and bipes



Bundled multi-minipipe in HDPE

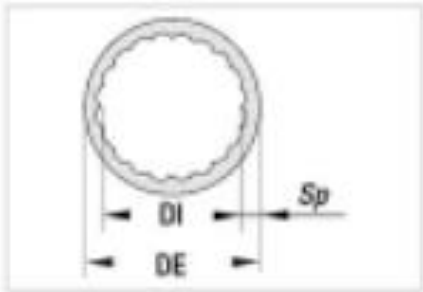


Evolution RC PE100 pipes for water and gas



Safe 10 PE100 pipes for water and gas







SYSTEM GROUP – FIBER OPTIC MICRODUCTS



HDPE **Microducts** for laying fibre optic, with smooth external surface and ridged internal surface for easy pulling through.

Microducts can be supplied in different colors to enable easy identification when a different number of fiber optic together laying or in manholes.

Microducts can be produced also in clear PE with coextruded colored bands to permit instant verification of the presence of fiber cables inside.

					
8 x 6	12 x 10	12 x 8	14 x 10	16 x 12	20 x 16



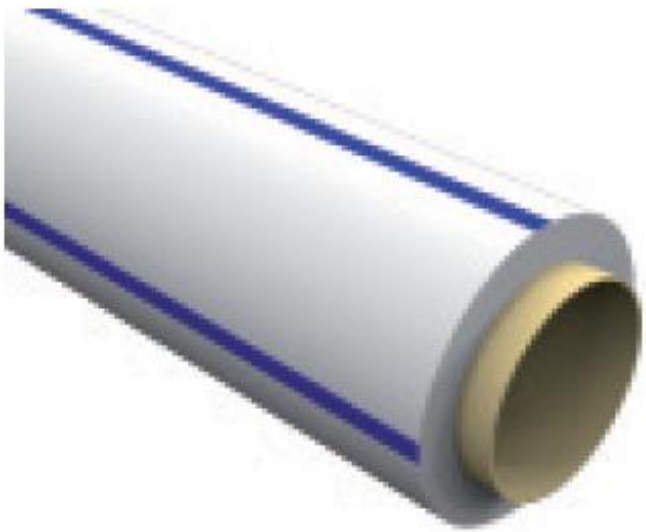
SYSTEM GROUP - MICRODUCTS FOR FIBER OPTIC

HDPE MICRODUCT – INTERNALLY COATED WITH SILICONE FOR A LOW FRICTION

Microducts are produced in **HDPE**, they have a smooth outer surface and an inner surface with **silicone coating** to minimize the friction during the laying of the fiber inside the microducts.

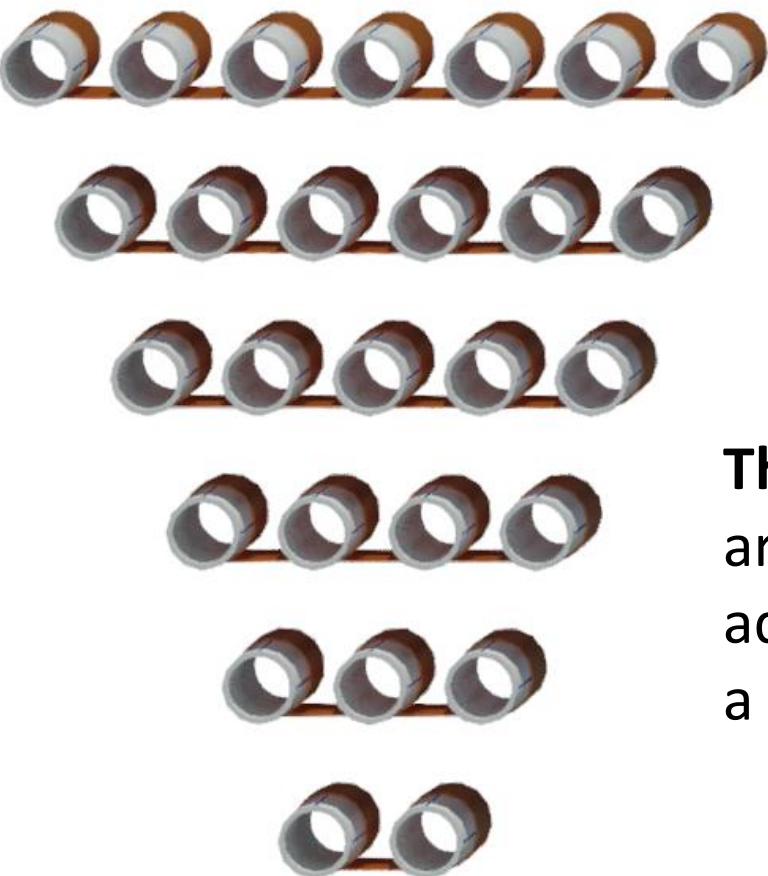
To facilitate the correct **identification** in the excavation and in manholes, when laid together with other mini-pipes; it can be produced in different colors and equipped with colored bands coextruded on the outer surface.

Where it is necessary to check the presence of the cable inside, the **microduct** can be made in transparent (with or without colored bands coextruded on the external surface).



DI/DE	Sp_{min}	Rifling	L Roll	€/m SILICONE
mm	mm	h	m	
6/8	1,0	0,1	3000	0,25
10/12	1,1	0,1	2000	0,35
10/14	2,0	0,1	1500	0,58
12/16	2,0	0,1	-	0,70
16/20	2,0	0,1	-	0,92





SYSTEM GROUP - MULTI MICRODUCTS FOR MINI-OPTICAL CABLES, FLAT

The **Fender Multi Hose (or Flat)** consists of a HDPE tape on which are placed neatly from 3 to 7 microducts, individually secured by adherent wrapping on the external. This conformation allows also a correct and tidy flat positioning of the cables.

MULTIMICRODUCT FENDER WITH **SILICONE**

The microducts used in the Fender system have a smooth outer wall and can be produced in different colours and have co-extruded coloured bands on the outer surface for easier identification; the inner wall of the microduct can be fitted with axial reliefs or a silicone coating to minimise friction during the laying process.



DI/DE	Sp_{min}	Rifling	spess. Sheath		L Roll	€/m	€ silicone /m
mm	mm	h	min	max	m		
3 x 10/12	1,1	0,1	0,4	0,6	2000	2,07	2,38
4 x 10/12	1,1	0,1	0,4	0,6	2000	2,42	2,78
5 x 10/12	1,1	0,1	0,4	0,6	2000	2,78	3,20
3 x 10/14	2,0	0,1	0,4	0,6	1500	3,45	3,97
4 x 10/14	2,0	0,1	0,4	0,6	1500	3,68	4,23
5 x 10/14	2,0	0,1	0,4	0,6	1500	4,32	4,97
6 x 10/14	2,0	0,1	0,4	0,6	1500	4,58	5,26
7 x 10/14	2,0	0,1	0,4	0,6	1500	4,95	5,69



SYSTEM GROUP MULTI MICRODUCTS FOR FIBER OPTIC CABLES – BUNDLE SYSTEM



TELECOM



OPEN FIBER



INFRATEL

The **Multi microduct Bundle** consists of an external HDPE sheath containing 7 microducts. The bundles of microducts is rigidly arranged in a perfect order by the close adhesion of the outer sheath.

DI/DE mm	Sp_{min} mm	Rifling h	Sheath thickness		L Roll m
			min. mm	max mm	
7 x 10/12	1,1	0,1	0,4	0,6	2000
7 x 10/14	1,1	0,1	0,4	0,6	1000/1500



SYSTEM GROUP - MULTI MICRODUCTS FOR FIBER OPTIC

SYSTEM PACK NO DIG



TELECOM



OPEN FIBER

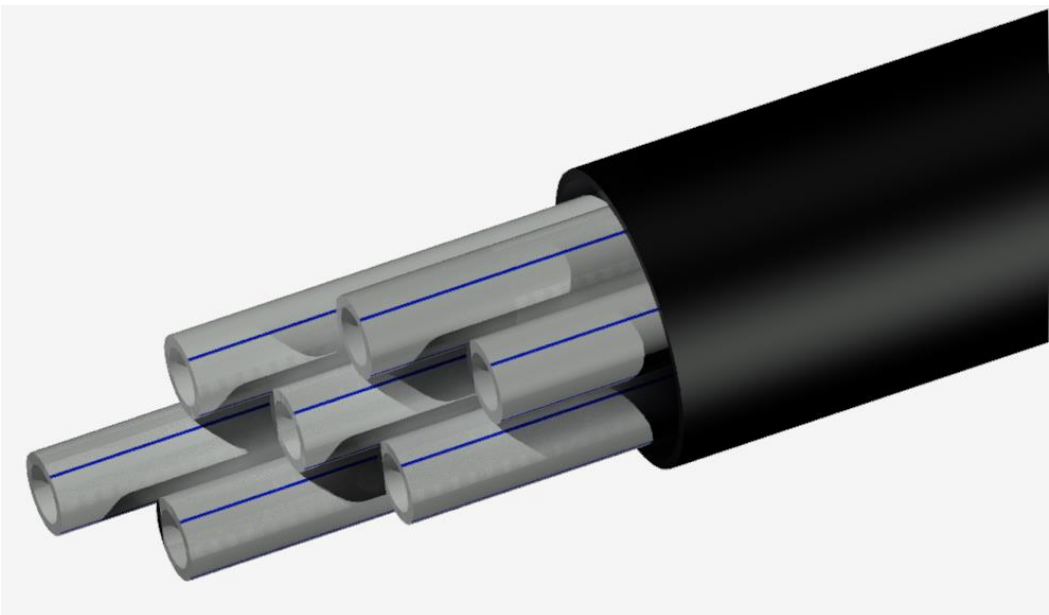
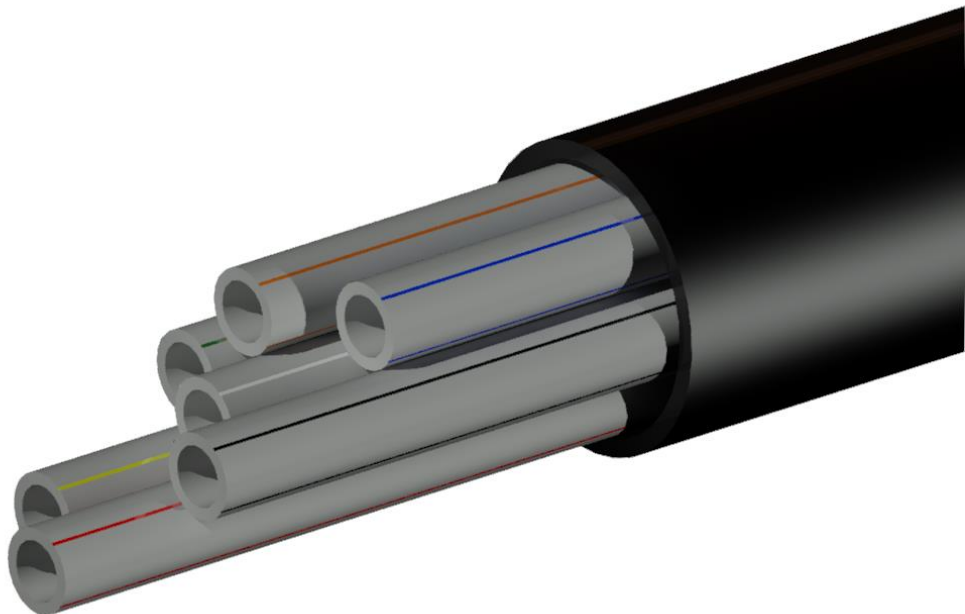


INFRATEL

The **SYSTEM PACK**, also called Multimicroduct Bundle NO-DIG, consists of from a PE AD tube containing 7 mini tubes. The external shirt-tube makes the system flexible and suitable both for laying in common trench and with trenchless techniques.

SYSTEM PACK WITH SILICONE

The **microducts** used in the **System Pack** system have smooth outer wall and can be produced in different colours and with co-extruded coloured bands on the outer surface for an easier identification; the inner wall of the microduct can be fitted with axial reliefs or with a silicone coating to minimize friction during the installation of the fiber cables inside the microducts.



DI/DE	Sp_{min}	Rifling	Sheath thickness		L Roll
			min.	max	
mm	mm	h	mm	mm	m
7 x 10/12	1,1	0,1	3,2	3,8	500



SYSTEM GROUP - MONOPIPE FOR ELECTRICAL INSTALLATION AND TELECOMMUNICATION



Ø	Ømax	450 N		750 N		750 N H		Ø
		Sp Nom	Sp max	Sp Nom	Sp max	Sp Nom	Sp max	
50	50,4	3,0	3,4	4,6	5,2	-	-	50
63	63,4	3,8	4,3	5,8	6,5	-	-	63
75	75,5	4,5	5,1	6,8	7,6	-	-	75
90	90,6	5,4	6,1	8,2	9,2	-	-	90
110	110,7	5,3	6,0	6,6	7,4	10,0	11,1	110
125	125,8	6,0	6,7	7,4	8,3	11,4	12,7	125
140	140,9	6,7	7,5	8,3	9,3	12,7	14,1	140
160	161,0	7,7	8,6	9,5	10,6	14,6	16,2	160
180	181,1	8,6	9,6	10,7	11,9	16,4	18,2	180
200	201,2	9,6	10,7	11,9	13,2	18,2	20,2	200
225	226,4	10,8	12,0	13,4	14,9	20,5	22,7	225
250	251,5	11,9	13,2	14,8	16,4	22,7	25,1	250

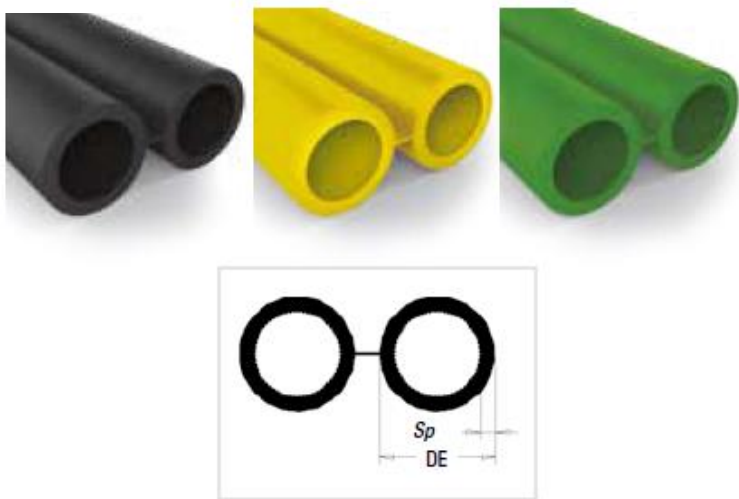


SYSTEM GROUP - MONOPIPE and MULTIPIPE FOR ELECTRICAL INSTALLATION AND TELECOMMUNICATION

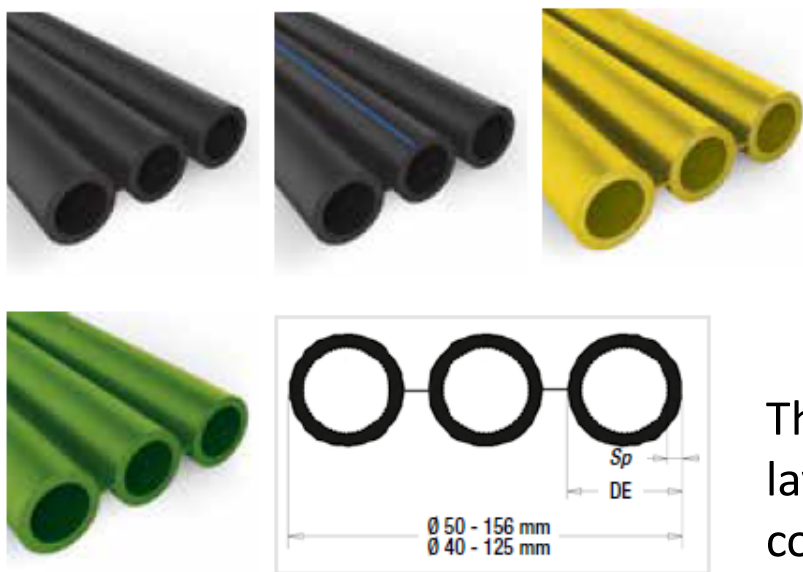


The HDPE **Monopipe** – **one way**, suitable for underground laying to protect electrical cables, telephone or fiber optic cables, can be produced completely black, black with a colored coextruded band, or in different colors. The HDPE Monopipe can have exterior surface smooth or grooved, while the interior surface is grooved in order to facilitate the cable run during pulling.

DE	Sp _{min}		Rifling		L Roll
	min.	max.			
mm	mm	mm	h	n	m
40	2,4	2,8	0,3 ± 0,1	24	300
40	3,0	3,5	0,3 ± 0,1	24	300
40	3,7	4,2	0,3 ± 0,1	24	300
50	2,7*	3,3*	0,4 ± 01	24	300
50	3,2**	4,0**	0,4 ± 01	24	300
50	4,6	5,3	0,4 ± 01	24	300



DE	Sp _{min}		Rifling		L Roll
	min.	max.			
mm	mm	mm	h	n	m
40	2,7	3,3	0,3 ± 0,1	24	700
40	3,5	4,1	0,3 ± 0,1	24	700
50	3,2	4,0	0,4 ± 01	24	700
50	4,6	5,3	0,4 ± 01	24	700



DE	Sp _{min}		Rifling		L Roll
	min.	max.			
mm	mm	mm	h	n	m
40	2,4	2,8	0,3 ± 0,1	24	500
40	2,7	3,3	0,3 ± 0,1	24	500
50	2,7*	3,3*	0,4 ± 01	24	350
50	3,2*	4,0**	0,4 ± 01	24	350
50	4,6	5,3	0,4 ± 01	24	350

The **Tripipe** – **three way**, suitable for underground laying to protect electrical and optical fibre cables, consists of three black or coloured HDPE pipes of the same diameter and placed on the same horizontal level, extruded with a single profile and joined together by a fixed junction flange. Each tube has a smooth outer surface and a ribbed inner surface to increase the facility during the cable pulling.



The **Bipipe** – **two way**, suitable for underground laying to protect electrical cables, cables for telephony or optical fibre, it consists of two black or coloured HDPE pipes of the same diameter and placed on the same horizontal level, extruded with a single profile and joined together by a fixed junction flange. Each tube has a smooth surface on the exterior and a ribbed interior surface to to facilitate the cable run during pulling.



Thank you for your attention

