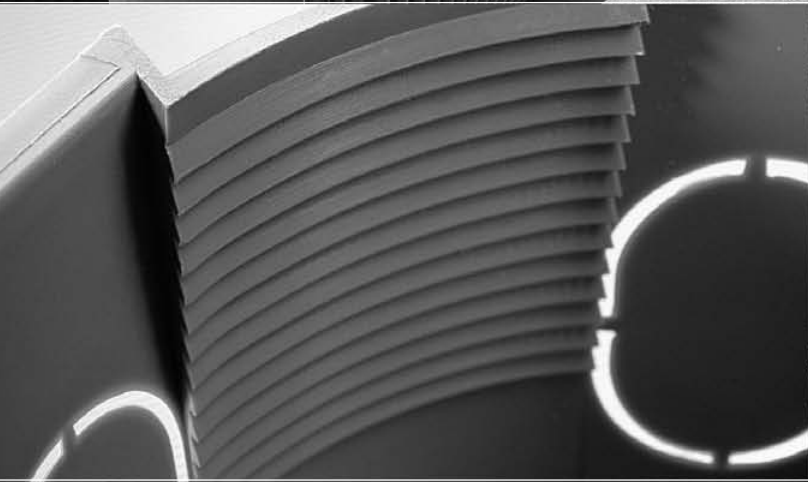
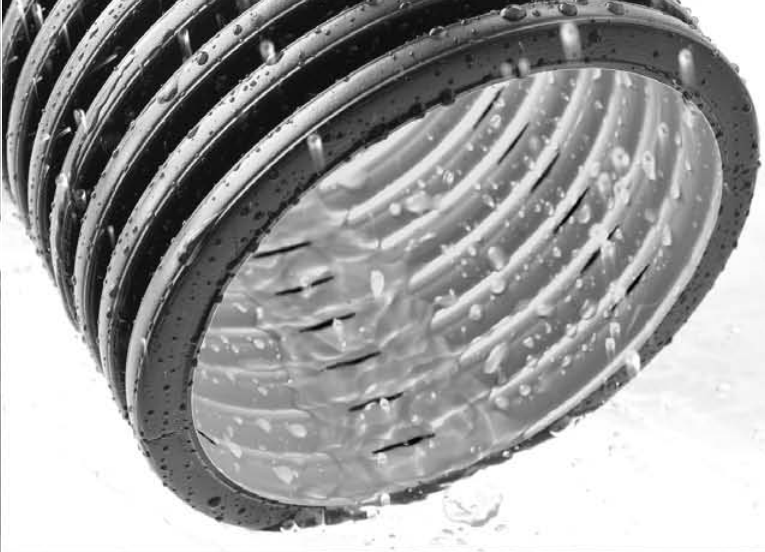


KOUVIDIS

4	at a glance
6	constant and sustainable growth since 1979
8	history
10	sustainable development
12	our values
14	Integrated solutions
36	reference projects
40	learn more







> 35

years specialization at the production of plastic piping systems



20

brand family products



< 24 hours

Lead time for products delivered in Greece



3

Distribution centers (Athens, Thessaloniki, Crete)



17

Privately owned low emission trucks



42

Indicative application fields in basic construction sectors



10.000

Tones of annual producing capacity



12

Patent degrees



15

fully automated production lines



24.500m²

Premises (offices, plants, logistic centers)

**Constant and
sustainable growth
since 1979**



Emmanuel KOUVIDIS , Founder - President of the Board of Directives
Stella KOUVIDIS, Member of Board of Directives

Quality
is anything
withstands time

The world is evolving, plastic materials are constantly being developed, needs are expanding, consumers are more selective and the contemporary environment requires modern, effective and long lasting products. KOUVIDIS is moving along precisely this track. Despite the current difficult economic situation we have chosen the path of development and innovation.

Within a very short space of time, over the last five years we have designed and added 300 new product codes to our range, we have integrated two new state-of-the art production lines and increased our finished products' warehouse space by almost 10,000 meters. At the same time we have increased the number of our staff, made all our products 100% recyclable and kept our healthy finances stable.

Our many years of technical knowhow in plastic conduit manufacture, our experience in cable



Maria KOUVIDIS, Vice President
Konstantinos KOUVIDIS, Managing Director

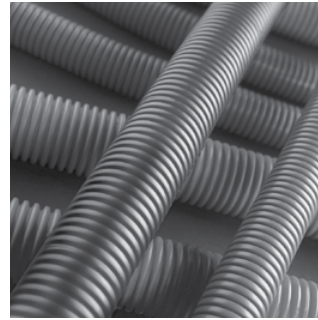
protection products and sewerage/drainage products, which we have recently launched, lend us a dynamism that allows us to create sustainable and lasting solutions.

We remain faithful to our principles, which have inspired almost three generations, and with love and passion we create and offer the best experience to our customers.

Our aim is to make our own contribution towards the global effort to protect our natural resources, reduce our energy consumption, and modernize by providing integrated and certified plastic conduit systems.

In the following pages you can get a taste of how we at KOUVIDIS perceive sustainability, innovation, excellence and the creation of solutions for alternative application fields.

Kouvidis Konstantinos



After ten years

the company is strategically organized outside Crete. Production of the DUROFLEX conduit & the state-of-the-art CONDUR-CONFLEX series that challenges the former dominance of steel conduits. Establishment of the first distribution centre in Athens.

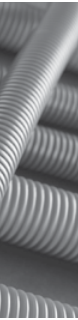
1979

Foundation of EMM. KOUVIDIS S.A. by electrician-installer Emmanouel Kouvidis in Tyliossos. The vision is to create reliable products and serve the local market of Crete. The strategy is based on the triptych: reliability, quality and consistency.

1990

Following 20 years of healthy operation the company relocated its premises to new privately-owned ones and renewed its mechanical equipment. The company introduces an industry first in affixing the CE marking to all its products. A new era begins.

2000



The administration of the company passes to the next generation, Maria and Kostas Kouvidis. The certification to management systems ISO 9001, ISO14001 & OHSAS 18001, the creation of a privately-owned truck fleet and the production of the MEDISOL - MEDIFLEX series is just the beginning.

A landmark year as KOUVIDIS becomes the first purely Greek company to enter into the manufacture of GEONFLEX - GEONDUR double wall conduits. Its efforts are crowned by its awards for packaging (EBGE 2012) and excellence (EFQM).

2005

2012

Backed by 30 years of operation, the company as leader in the sector of cable protection conduits innovates with antimicrobial and halogen free families, has its products controlled by the German Institute VDE and opens its third distribution Centre in northern Greece.

After 35 consecutive years of experience KOUVIDIS enters the world of sewerage and drainage with two new products, GEOSAN & GEODRAIN, while it extends its cable protection family with the addition of GEOSUB conduits. Its full range of conduits and fittings, **from Ø11 to Ø1200**, make it the leader in plastic conduit systems in the Greek market.

2010

2015

As an industrial unit we consider ourselves responsible and accountable towards the environment, society and people.

In today's environment the shift towards alternative energy sources is imperative for a better quality of life; climate change is considered to be one of the most critical issues of our time and careful management of water, which has now become a luxury item, is regarded as a necessity for our future daily life.

These trends are deeply rooted in our philosophy and as a family company the idea of sustainable development is a constant guide in all our activities.

We are continuously working to improve our production processes by constantly reducing our pollutant emissions.

We implement a series of state-of-the-art quality management, environmental management and human resources management systems, and adopt the principles of business excellence, in every process.

We take care to guarantee the unique quality of

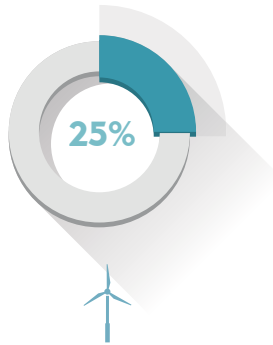
sustainable growth

our products by ensuring test control by internationally recognized laboratories.

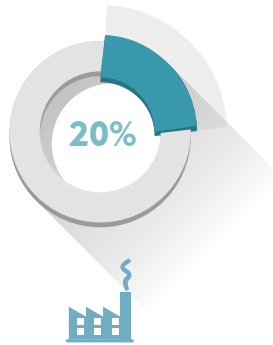
We use superior materials and design products with the lowest possible environmental footprint.

We help our customers so that they themselves can achieve sustainability by providing environmentally - friendly solutions that meet their needs and add value to their work.





25%
of the energy used comes from RES



20%
fewer CO² emissions



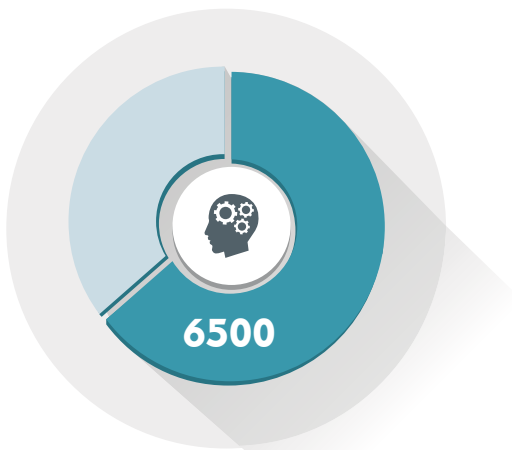
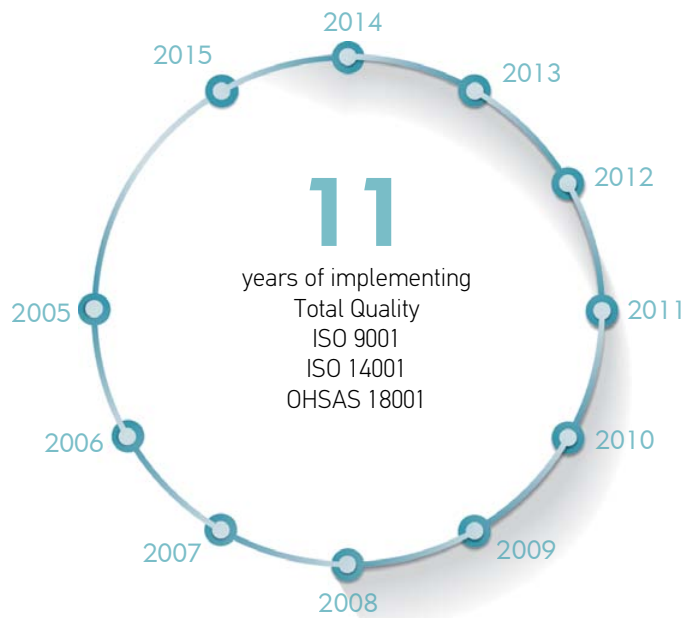
30%
less volume of packaging materials



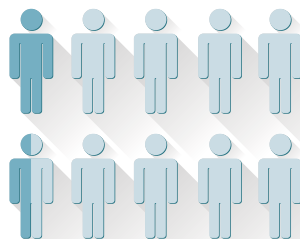
100%
production of environmentally-friendly products



2
recognised product certification bodies (VDE & Bureau Veritas)



6500
hours training in special training programmes in the last 2 years (2013-2014)



15%
increase in human resources and development of new departments in the last six years (2009-2014)

Our philosophy is simple. Continuous improvement.
It is a source of inspiration for all of us and is adopted through a series of values.

innovation

we learn, we create, we evolve and we build on every innovative idea because we have learned to listen you.

reliability

we are honest, consistent and passionate about achieving our goals through the production of high quality services.

integrity

we are reliable and fair, honour our commitments and reward every act of integrity and moral deed.

respect

we fully recognise our social responsibility and take care of people and the environment in every way.

collaboration

we believe in the power of teamwork and always act together as a whole building long last and qualitative relationships.

our values

satisfaction

we focus on satisfying our customers by offering a unique buying experience.

sustainability

we seek to achieve more with as few resources as possible.

ambition

we invest without limitation in continuous improvement. Thus we become better and more effective.



EBTE 2012



01 cable protection

(products for electrical use)

①	CONDUR® - CONFLEX® 1250Nt	pg. 24
②	GEOSUB® L450	pg. 18
③	DUROFLEX® 750Nt	pg. 26
④	MEDISOL® - MEDIFLEX® 750Nt	pg. 24
⑤	SILCOR® - SIFLEX® 320Nt	pg. 24
⑥	SUPERSOL® - SUPERFLEX® 320Nt	pg. 26
⑦	CONDUR® HF - CONFLEX® HF 1250Nt	pg. 22
⑧	GEONFLEX® - GEONDUR® N750	pg. 18
⑨	MEDISOL® AM - MEDIFLEX AM® 750Nt	pg. 20

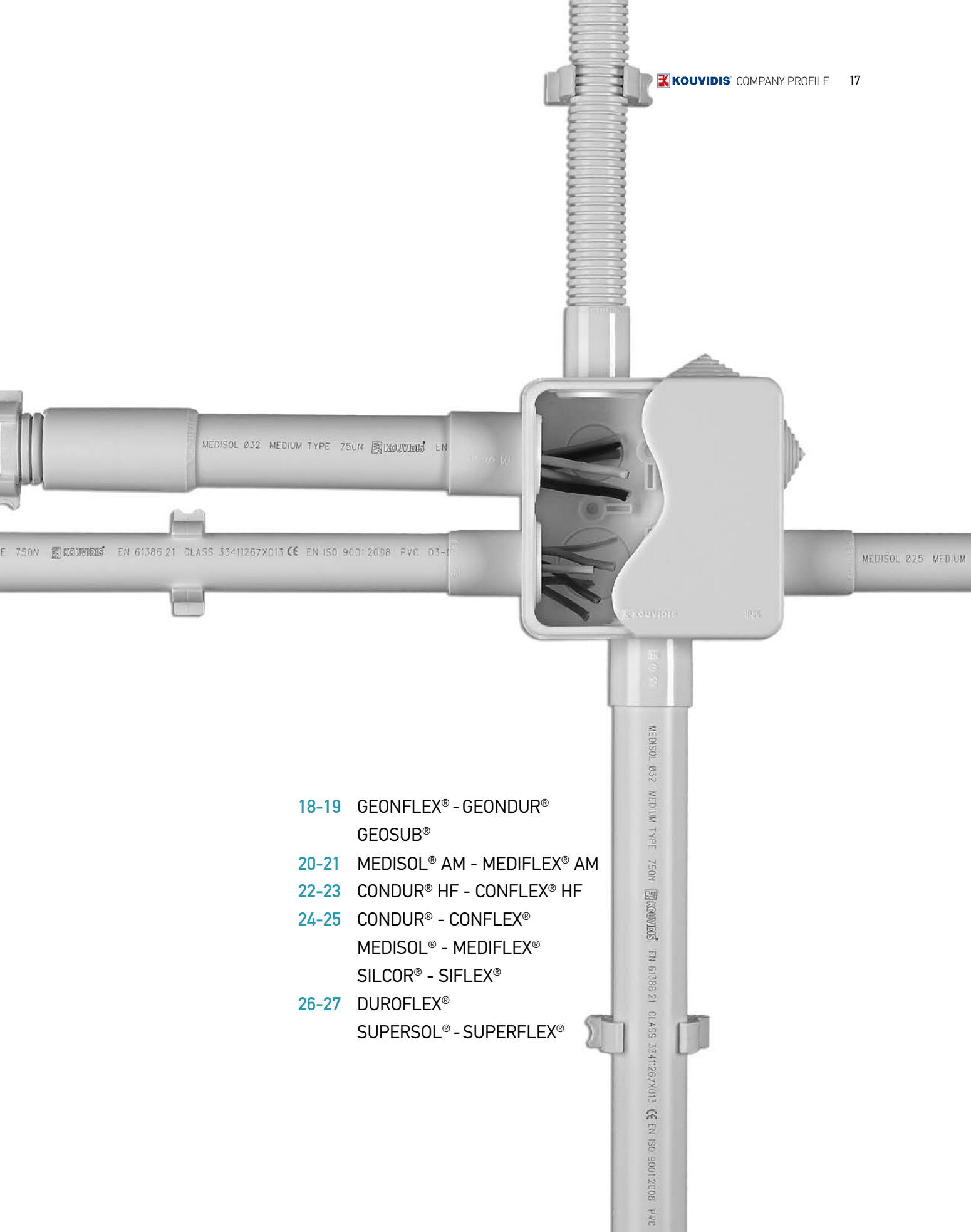
02 drainage & sewage

(products for hydraulic use)

⑩	GEODRAIN®	pg. 32
⑪	GEOSAN®	pg. 30
⑫	HYDROFLEX®	pg. 34

01

cable protection
products for electrical use



- 18-19** GEONFLEX® - GEONDUR®
GEOSUB®
- 20-21** MEDISOL® AM - MEDIFLEX® AM
- 22-23** CONDUR® HF - CONFLEX® HF
- 24-25** CONDUR® - CONFLEX®
MEDISOL® - MEDIFLEX®
SILCOR® - SIFLEX®
- 26-27** DUROFLEX®
SUPERSOL® - SUPERFLEX®



products that are environmentally friendly throughout their life cycle

Ø40-Ø250

GEONFLEX[®] - GEONDUR[®] N750

GEOSUB[®] L450

Double structured wall
HDPE conduit system





- The double structured wall conduits are manufactured in accordance with the "correct" European standard EN 61386-24 covering plastic conduit systems used in buried underground installations for cable protection. Conduits from other application fields e.g. sewerage, irrigation or water supply are not intended to be used for this application.
- KOUVIDIS is the first purely Greek company engaged in the manufacture of double wall conduits for underground power grids and telecommunication networks.

01

Cable protection

⊕ Underground networks

Need

The underground routing of the public utility networks for safety reasons and to avoid exposure to extreme natural phenomena and transmission of electromagnetic radiation.

Research

The design of a robust, easy to use and environmentally friendly product that will combine the properties of a pliable and a rigid pipe at the same time.

Technology

Welding of two different walls (corrugated -

smooth) during the production process through co-extrusion.

Application field

Protection of buried underground power and telecommunication networks (motorways, road networks, tunnels etc.), urban development projects (pedestrianization, shaping of public spaces, rehabilitation of historic centers, etc.), RES urban development projects (photovoltaic and wind parks), construction projects such as industrial buildings, shopping centers, housing, etc.



innovative technologies for a sustainable and safe environment

Ø16-Ø63

MEDISOL[®] AM 750Nt

MEDIFLEX[®] AM 750Nt

Antimicrobial protection
medium type conduit system





- Antimicrobial protection ensures a reduction of up to 99.5% of the most dangerous bacteria within 2 hours.
- A reduction in the bacteria can be observed within the first 15 minutes.
- Antimicrobial efficacy is tested according to international standard ISO 22196 and is controlled by the British laboratory BIOCOTE
- The antimicrobial technology is incorporated in the raw material of the product during the manufacturing process to ensure continuous, lifelong, antimicrobial protection.

01*

Cable protection

Need

The protection of hygiene and the reduction of biological risks in sanitation areas.

Research

Designing a product with integrated antimicrobial technology which will neutralize the pathogenic bacteria reducing the danger of contamination.

Technology

Antimicrobial protection which will be incorporated into the product and will delay the growth or proliferation of the bacteria.

Application field

Spaces requiring implementation of the HACCP system (industrial spaces & food warehouses, restaurants, etc.), hygiene areas (hospitals, clinics, operating rooms, laboratories) & public gathering places (schools, nurseries, sports centres, care homes).

*Technology patent protected.



state-of-the-art materials... that guarantee reliability and protection over time

Ø16-Ø63

CONDUR HF[®] 1250Nt

CONFLEX HF[®] 1250Nt

Halogen free and low smoke heavy type conduit system





- The chlorine and fluorine released from halogenated plastics produce hydrochloric acid, gases which are dangerous and very harmful to people and the environment.
- Acid rain can destroy any area exposed to smoke and cause severe corrosion in a very short time.
- The production of tiny particles of gases, soot and chemical residues (dark smoke billow) reduces the visibility of escape routes and it hinders evacuation operations by rescue crews.

01

Cable protection

Need

Preventing adverse incidents with fatal outcomes due to the use of unsuitable building materials in public gathering places.

Research

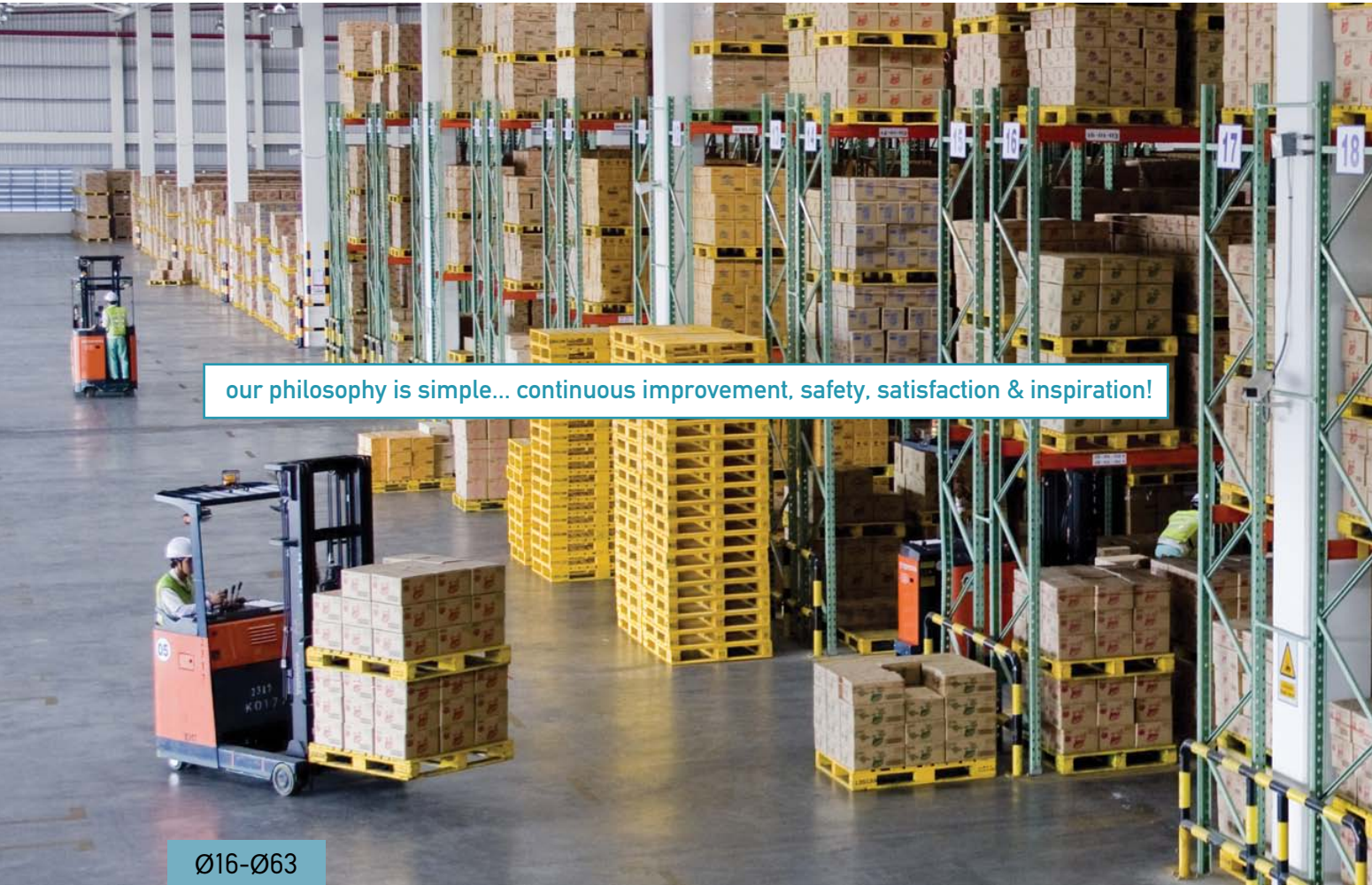
Designing a product made from top quality raw materials that will not release any toxic or corrosive gases or emit a dense billow of smoke in case of fire.

Technology

Halogen free and low smoke raw materials.

Application field

Public gathering places (airports, hotels, tunnels, shopping centres, cinemas, and subways) and places with costly mechanical equipment (engine rooms, industrial spaces, computer rooms, etc.).



our philosophy is simple... continuous improvement, safety, satisfaction & inspiration!

Ø16-Ø63

CONDUR® CONFLEX® 1250Nt
MEDISOL® MEDIFLEX® 750Nt
SILCOR® SIFLEX® 320Nt

Heavy, Medium and Light type plastic conduit systems





- KOUVIDIS was the first Greek company to introduce the heavy type conduits into the Greek market at the early 1990's in accordance with the European standards and the first to have had all of its products affixed with the CE marking.
- The heavy type CONDUR - CONFLEX conduits system has totally replaced metal conduits, it has been installed in the largest Greek construction works and it boasts a zero return record.
- KOUVIDIS is the only Greek company that has been awarded certificates for all of its products by the German VDE test institute.

01

Cable protection

Need

The protection, management and possibility for replacement of individual conductors and/or cables in electrical installations with regard for the ultimate safety of persons and property

Research

Designing three product families with a low environmental footprint and different mechanical strengths for alternative application fields..

Technology

Use of recyclable virgin raw materials in energy efficient automated production lines (extrusion

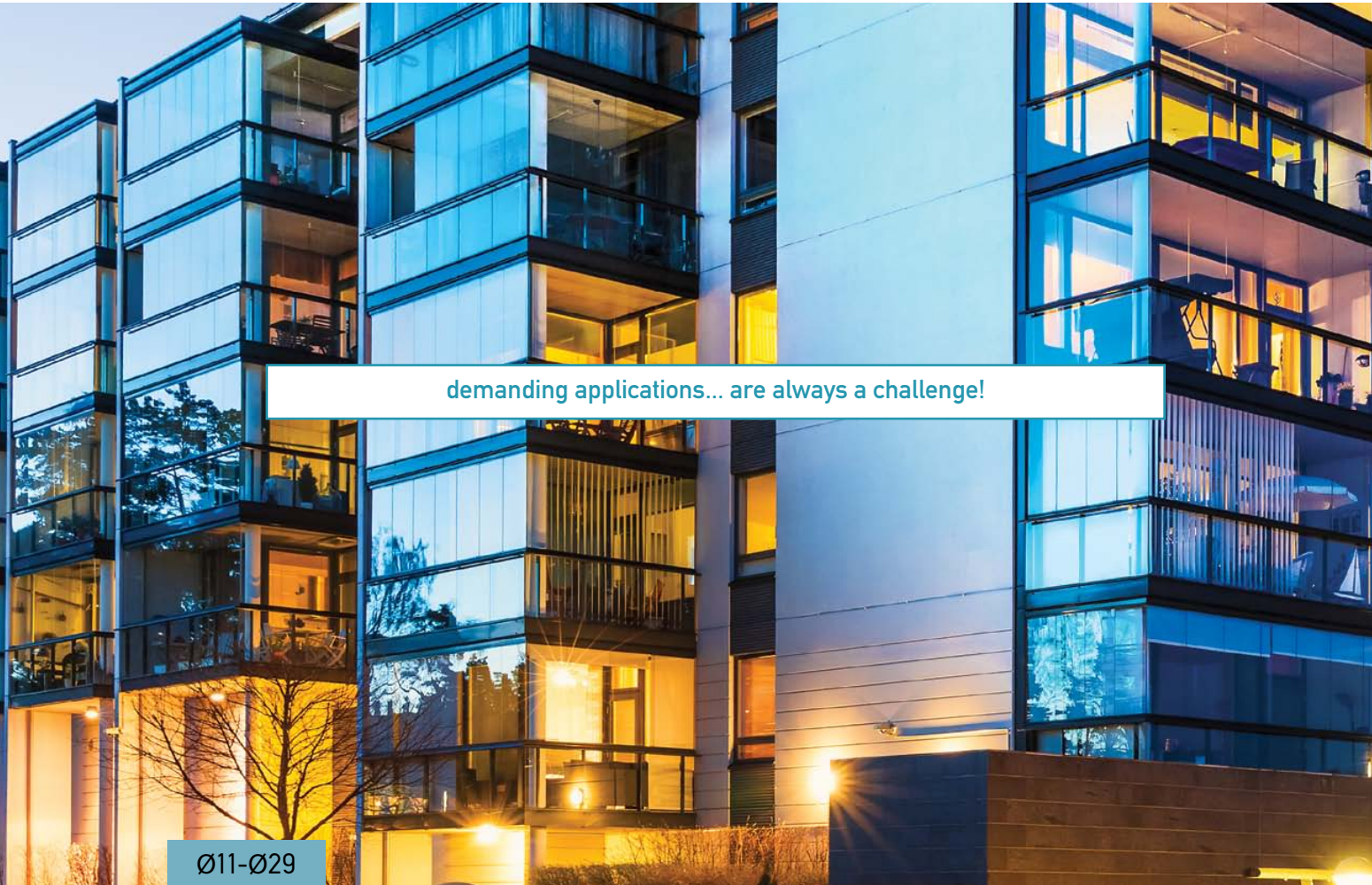
and injection) to ensure consistent high quality.

Application field

Heavy type Exposed installation in outdoor areas with high mechanical demands

Medium type Indoor areas such car parks, commercial buildings, warehouses, wood constructions, etc.

Light type Areas with low mechanical requirements such underfloor installations or hollow ceilings.



demanding applications... are always a challenge!

Ø11-Ø29

DUROFLEX[®]
750Nt

SUPERSOL[®] - SUPERFLEX[®]
320Nt

Medium and light type plastic conduit
systems for special applications



- The SUPERFLEX - SUPERSOL conduits and the junction boxes for flush mounting were the first products with which KOUVIDIS started its manufacturing activities in 1980.
- The DUROFLEX conduit was the first brand name product that established KOUVIDIS in the field of electrical equipment, identifying the company with consistent high quality.
- More than 40 million meters of DUROFLEX, SUPERFLEX and SUPERSOL conduits have been installed in the last five years in the Greek market.



Need

The protection, management and possibility for replacement of individual conductors and/or cables in flush type concrete/plaster electrical installations.

Research

Designing a series of conduits and boxes that will facilitate the introduction of the cables, be resistant to high compression while at the same time will ensure safety, ease and speed of installation.

Technology

Use of recyclable virgin raw materials in energy efficient automated production lines (extrusion

01 Cable protection

and injection) to ensure consistent high quality.

Application field

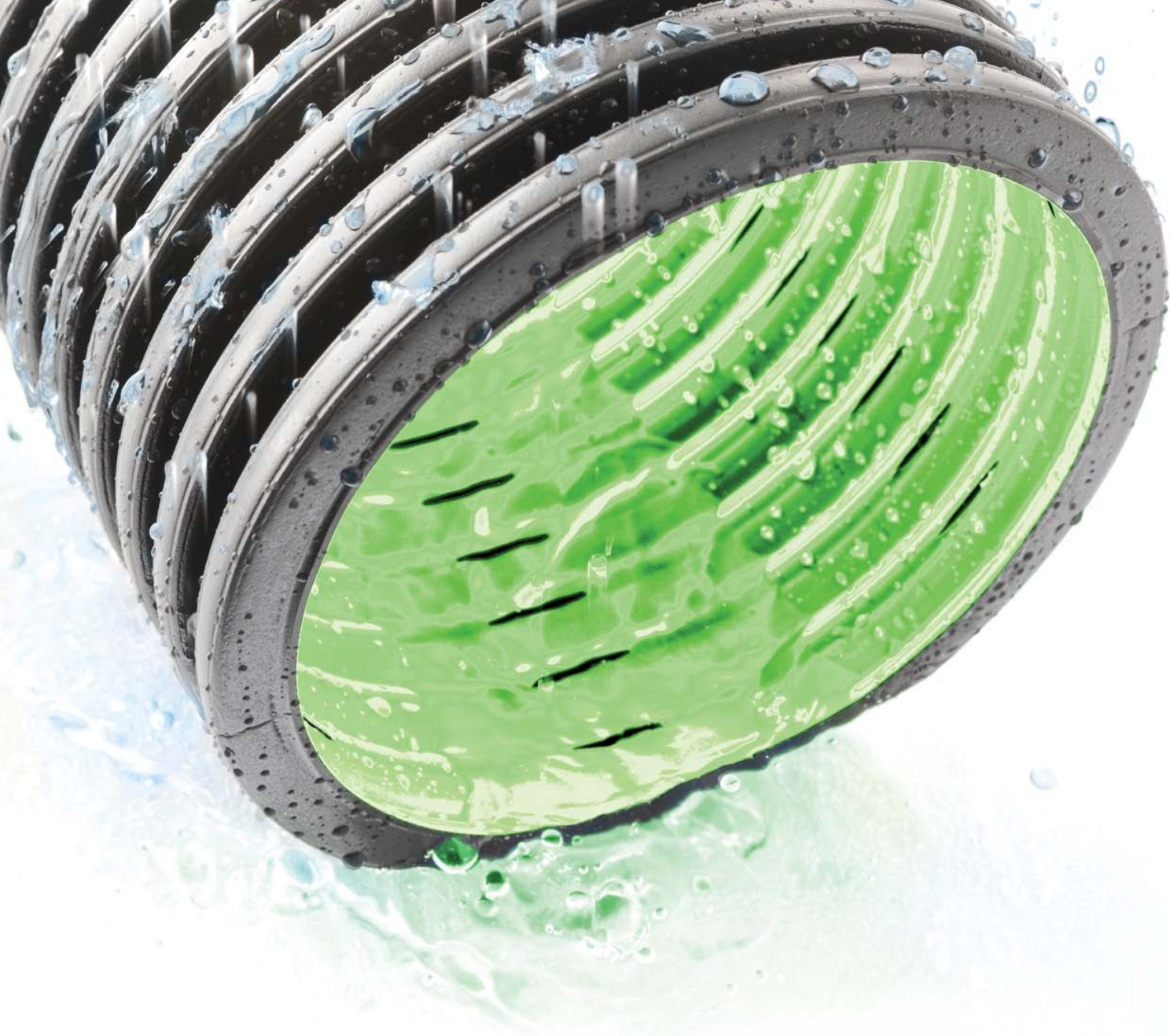
DUROFLEX applications in concrete and in general in concealed installations with high mechanical compression due to their exceptional, heavy type, mechanical strengths.

SUPERFLEX - SUPERSOL flush type applications, in gypsum boards, suspended ceilings, false floors and in general in concealed installations with low mechanical compression.

02

drainage & sewage

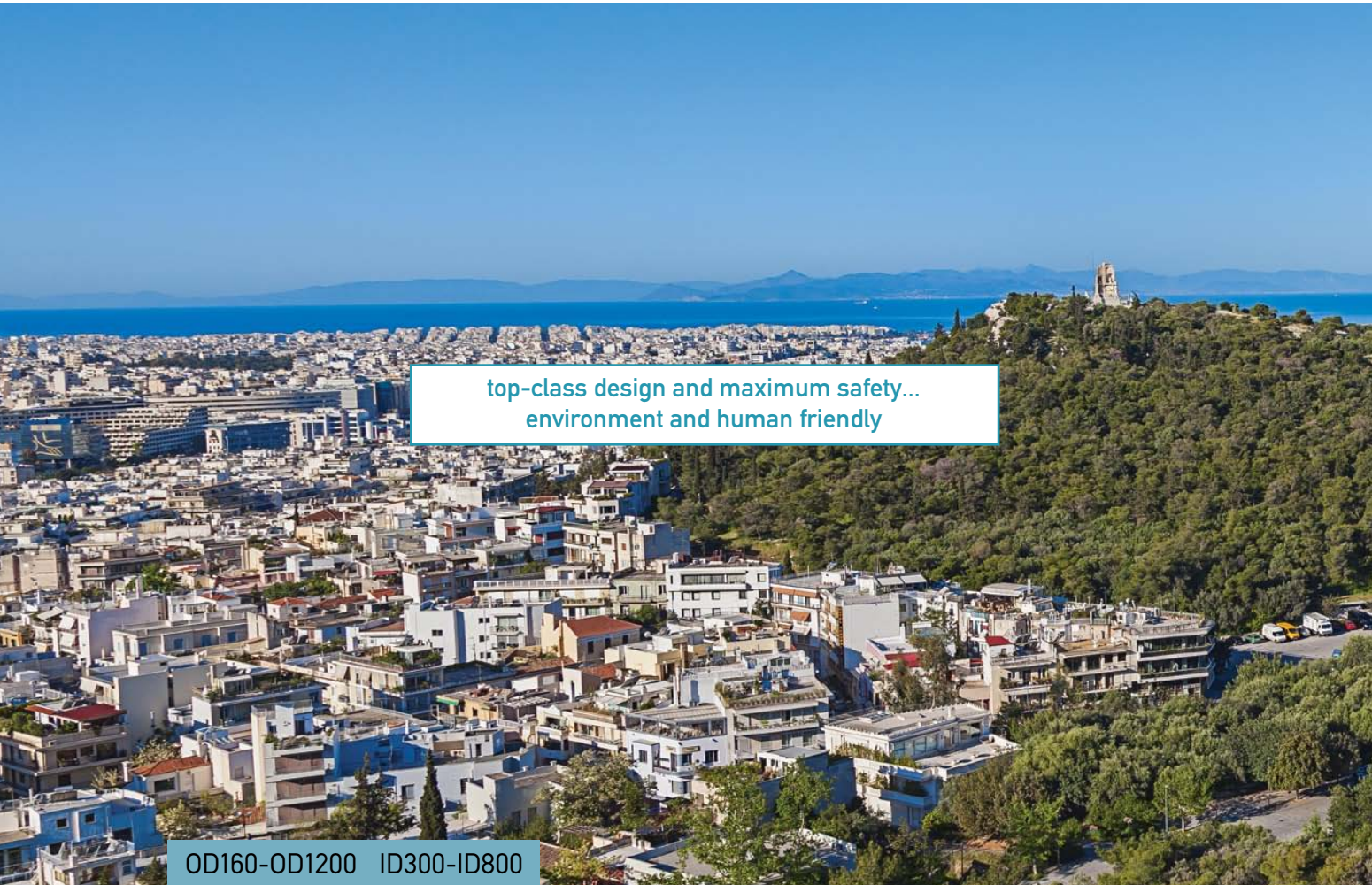
products for hydraulic use



30-31 GEOSAN®

32-33 GEODRAIN®

34-35 HYDROFLEX®



top-class design and maximum safety...
environment and human friendly

OD160-OD1200 ID300-ID800

GEOSAN[®]

Double structured wall pipes ring stiffness
SN4, SN8 and SN16 in high density
polyethylene (HDPE) or polypropylene (PP) for
non-pressure networks





- The double structured wall conduits are 50% lighter than the equivalent PVC conduits and 95% from the relevant cement conduits.
- Savings in material costs can amount to as much as 40% taking into account the much lower costs of purchase and the quick and safe installation thanks to their low weight and ease of transportation compared with PVC or cement conduits.
- Double structured wall plastic conduits are much more durable because of their flexibility and their ability to return to their original form.

02 Drainage & Sewage + Underground networks

Need

Correct wastewater sewage and stormwater drainage that will not endanger the health and quality of life for residents and will not pollute the subsoil and by extension the aquifer.

Research

Designing a robust and resistant piping system that is easy to use and environmentally friendly, economical and reliable over a long period of time.

Technology

Two walls, which are structured together, one corrugated outside and one smooth inside, produced by co-extrusion.

Application field

Wastewater drainage for sewage networks and stormwater drainage for road networks. Also suitable for a variety of free flow sewerage applications such as in airports, tunnels, car parks, construction projects, etc



cutting-edge products... that represent the future as regards secure water runoff

OD160-OD1200

GEODRAIN®

Perforated double structured wall conduits
ring stiffness SN4 and SN8 in high density
polyethylene (HDPE)





- Moisture, cracks and corrosion of underground sections of constructions, sinking of the road surface, overflow or salinization of soil are some of the usual effects of mis-management of underground or infiltrating surface water.
- Excess water in arable lands renders the ploughing of the soil ineffective while also accelerating the degradation of its structure with adverse effects on plants.
- The drainage is essentially a "tunnel" through which water can flow using gravity and be safely removed.

02 Drainage & Sewage + Underground networks

Need

Control and removal of excess water in the ground and subsoil which may be due to the natural flow (rain or snow), the fluctuation of the aquifer, etc.

Research

Designing a conduit for uniform collection and removal of water, environmentally friendly, easy to use and install and long-lasting.

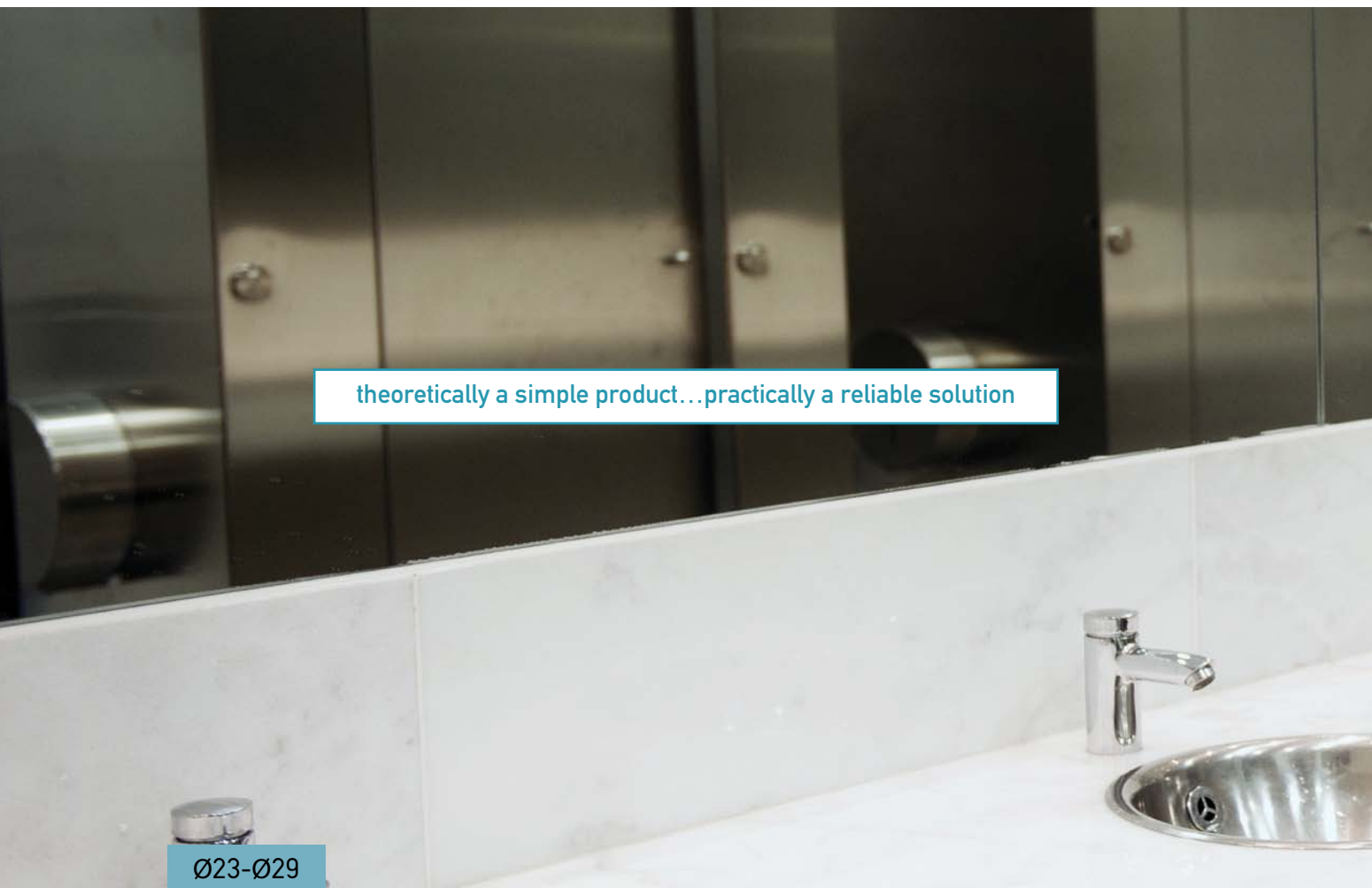
Technology

Two walls, symmetrically perforated at specific degrees, which are structured together, one

corrugated outside and one smooth inside, produced by co-extrusion.

Application field

Subsoil water and/or stormwater drainage in all types of residential buildings (perimeter drainage), photovoltaic parks, agricultural applications, road networks (country roads), industrial and commercial applications, landfills, waste disposal sites, sports grounds and surrounding areas.



theoretically a simple product...practically a reliable solution

Ø23-Ø29

HYDROFLEX[®]

Pliable corrugated pipes for the protection of water pipes in three colors (red, blue, black)



The use of a lower quality pipe distorts the installer's image (reputation) while the possible product damage is charged on him rather on the manufacturer.

02

Drainage & Sewage

Need

The proper protection of water supply water and heating pipes and the elimination of the extra costs which incurred by using inferior materials or by loss of time, scrap and extra labor.

Research

Design a pipe that will facilitate the entry or replacement of water pipes, will be waterproof and will provide a low environmental footprint.

Technology

Application of stricter production standards (conduit systems for cable protection) and attainment of a realistic quality level.

Application field

Protection of pressure, heat and water piping systems (PE-X, PP, PB).

The largest hotel complexes (such as **The Westin Costa Navarino** and **Avra Imperial Beach Resort & Spa**), the most important infrastructure projects (such as the **Olympic properties**, the **Athens airport** and the **Athens metro**) and cultural projects (such as the **Acropolis Museum** and the **FIX Museum of Contemporary Art** as well as the **Onassis Cultural Centre**), the most state-of-the-art health units (such as the **ELPIDA Children's Oncology Unit**), renowned retail chains (**IKEA**, **Praktiker**, **Leroy Merlin**, **Jumbo**, **Plaisio** among many others) as well as state-of-the-art industrial/commercial units (such as **Media Strom**, **Unilever**, **UNIFARMA**, **Golden Hall**, **AB Vasilopoulos** etc.) have trusted our company's conduit systems testifying in practice to the plethora of solutions that we offer for each specialized application field.

reference projects

1. Athens Metro extension
[GEONFLEX](#) - [GEODRAIN](#), [CONDUR](#) - [CONFLEX](#)
2. Thessaloniki Metro
[GEOSUB](#), [CONDUR](#) - [CONFLEX](#)
3. Stavros Niarchos Foundation Cultural Centre
[CONDUR HF](#) - [CONFLEX HF](#), [CONDUR](#) - [CONFLEX](#),
[GEONFLEX](#)
4. Aegean Motorway
Tempi - Platamonas twin tunnels
[CONDUR HF](#) - [CONFLEX HF](#)
5. Wastewater treatment plant in Koropi-Paiania
[GEOSAN](#)
6. The Westin Resort Costa Navarino
[DUROFLEX](#), [SUPERSOL](#), [SUPERFLEX](#), [CONDUR](#) - [CONFLEX](#)
7. Korinthos – Patra highway
[GEODRAIN](#)





Plant: Headquarters & South Greece logistic center (Tylissos, Heraklion, Crete)





North Greece logistic center (Thessaloniki)



Central Greece logistic center (Athens)

learn more

www.kouvidis.gr

Cable Protection



GEONFLEX
GEONDUR



MEDISOL AM
MEDIFLEX AM



CONDUR HF
CONFLEX HF



OUR CITY



GEOSUB



BOXES



SOLUTIONS



COMMERCIAL
POLICY



PRICELIST



ORDER FORM



CERTIFICATIONS

Drainage & Sewage



GEONDUR



GEOSAN



COMMERCIAL
POLICY



PRICELIST



CERTIFICATIONS



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Manufacture of plastic piping systems

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