

VIOHALCO

Corporate Presentation

A Euronext-listed holding company of leading metal processing companies across Europe.



EUR 4.4 billion
Revenue 2018



EUR 2.8 billion
Investments 2001-2018



8 Business
segments



21 Markets
served



Years
history



Technology
and innovation

Providing a wide range of **products and solutions** tailored to our customers' needs.



N. America:
1 sales office

Europe:
37 plants
17 sales offices

Asia:
2 plants
3 sales offices



Sales in more than
105 countries



Commercial
network in
21 countries



Commitment to
environmentally
responsible operations



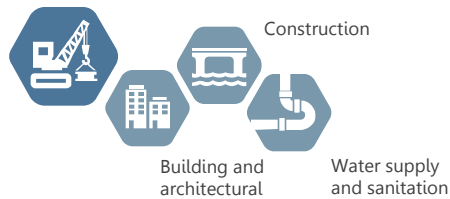
Highest quality
of products
and services

Viohalco companies supply a diverse product range portfolio across a wide range of markets.

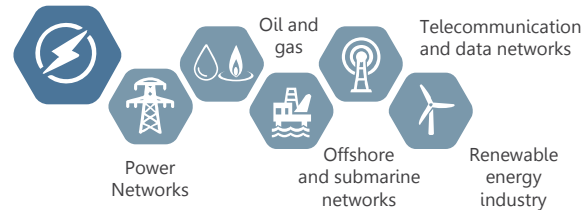
They are committed to the sustainable manufacture of innovative value added products and solutions that meet the requirements of blue chip customers across the globe.

Highly diversified Extensive experience

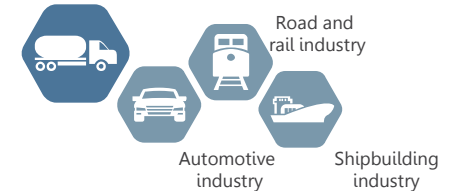
Building and construction



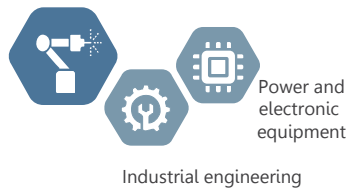
Energy and power networks



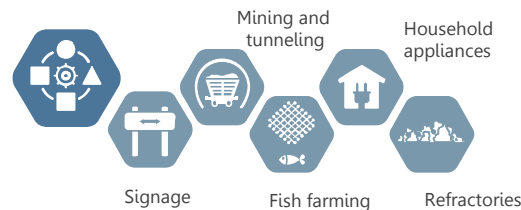
Transportation



Industrial applications



Other markets



Packaging industry Lithography industry Technology and R&D



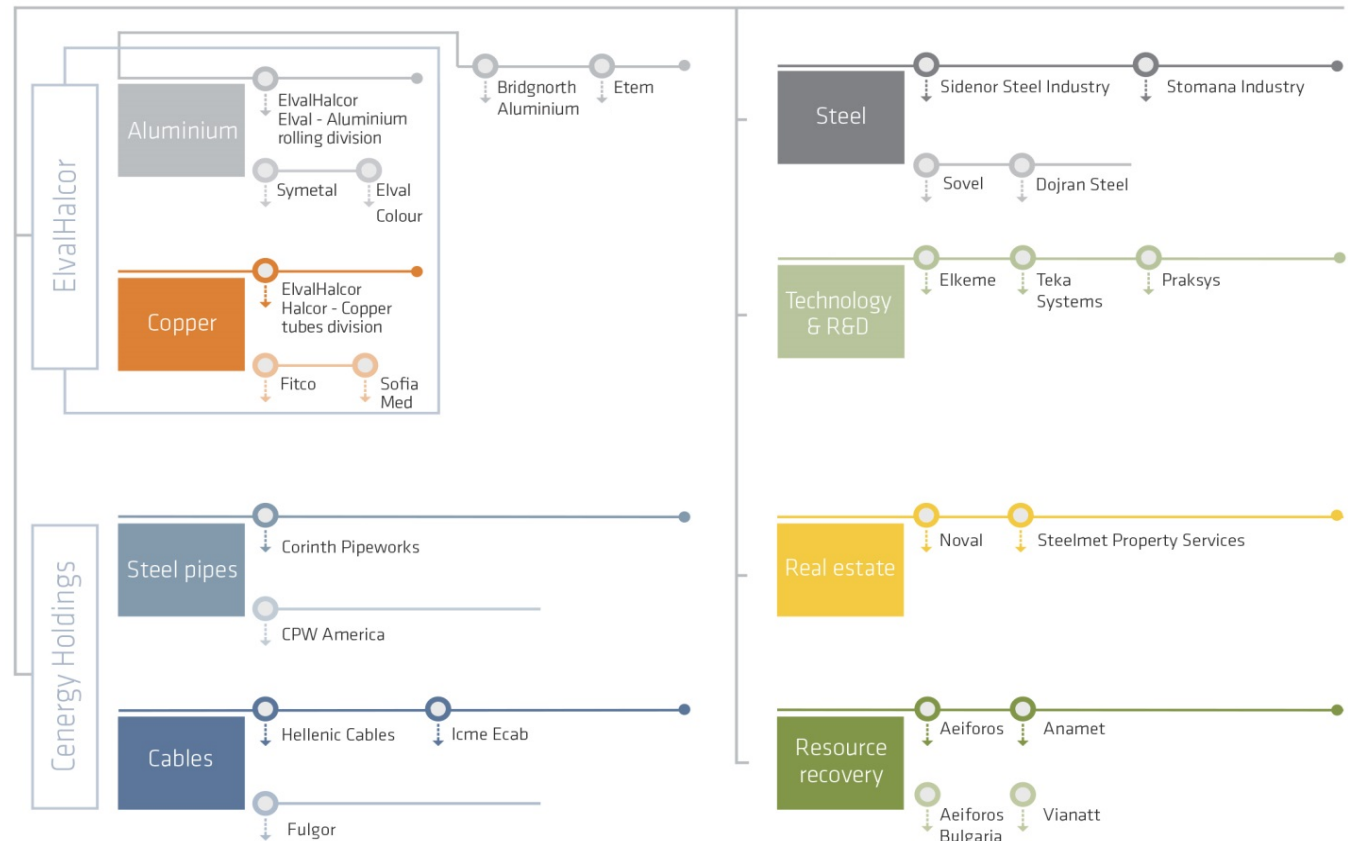
Heating, ventilation, air-conditioning and refrigeration market

Real estate Recycling

Segments and main companies

Viohalco segments

- Viohalco companies specialise in the manufacture of aluminium, copper, steel, steel pipes and cables.
- Viohalco's portfolio includes companies dedicated to technology and R&D, real estate development and resource recovery.



- Viohalco & Cenergy Holdings are listed on Euronext Brussels and Athens Stock Exchange
- ElvalHalcor is listed on Athens Stock Exchange

Production Base - Main Plants & Ports

Main plants

Al	 Oinofyta (Greece)	 Bridgnorth (UK)	 Oinofyta (Greece)	 Mandra (Greece)	 Sofia (Bulgaria)	 Saint Thomas (Greece)
Cu	 Oinofyta (Greece)	 Oinofyta (Greece)	 Sofia (Bulgaria)	 Oinofyta (Greece)	 Thessaloniki & Almyros (Greece)	 Aspropirgos (Greece)
Fe	 Thisvi (Greece)	 Thiva (Greece)	 Soussaki, Corinth (Greece)	 Bucharest (Romania)	 Livadia (Greece)	 Oinofyta (Greece)
	 Thessaloniki (Greece)	 Almyros (Greece)	 Pernik (Bulgaria)	 Nikolic (North Macedonia)		

Ports

 Soussaki, Corinth (Greece)	 Thisvi (Greece)	 Almyros (Greece)	 West port (Bulgaria)
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'30s

Incorporation of Hellenic Copper Industry S.A. in 1937.



'40s

Listing on the Athens Stock Exchange obtained in 1947.

'50s

Intensive investments in new machinery (incl. state-of-the-art aluminium rolling mill). Renaming to Viohalco-Hellenic Copper and Aluminium Industry S.A.



'60s Corporate expansion

Launch of steel production, cable operations, sanitary ware and tile production. Holding company structure adopted.

'70s

New companies founded

including aluminium profiles company Etem S.A. and Elval S.A., a spin-off from Viohalco Aluminium.

'80s

Restructuring

of companies through multiple spin-offs designed to create a cohesive corporate culture across all production units.

'90s

Listings

on the Athens Stock Exchange of major subsidiaries. Capital increase of Viohalco.

'00s Expansion of Viohalco portfolio

including Bridgnorth Aluminium Ltd (United Kingdom), Stomana Industry S.A. (Bulgaria), Sofia Med S.A. (Bulgaria), Icme Ecab S.A. (Romania) and Corinth Pipeworks S.A. (Greece).

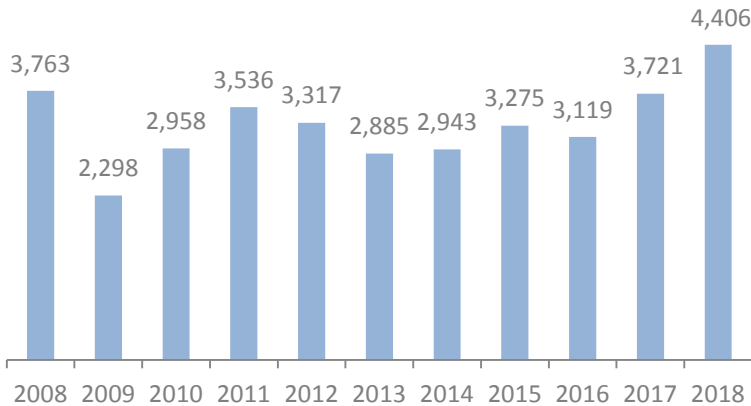
'10s



- In July 2011, Hellenic Cables acquisition of Fulgor.
- In November 2013, merger by absorption of the Greek company Viohalco-Hellenic Copper and Aluminium Industry and the Belgian company Cofidin by the Belgian company Viohalco. Subsequent primary listing and trading on Euronext Brussels Exchange of Viohalco shares.
- In February 2014, secondary listing of Viohalco shares on the Athens Stock Exchange.
- In November 2014, Elval merged with Etem through absorption of the latter by the former.
- In July 2015, cross-border merger by absorption of Sidenor Holdings by Viohalco.
- In September 2015, spin-off of the aluminium rolling sector of Elval, then absorbed by Elval's subsidiary Symetal (renamed Elval Hellenic Aluminium Industry S.A.).
- In February 2016, cross-border merger by absorption of the Greek companies Elval Holdings, Alcomet, Diatour and the Luxembourg company Eufina by Viohalco S.A.
- In December 2016, cross-border merger by absorption by Cenergy Holdings of the Greek listed companies Corinth Pipeworks Holdings S.A. and Hellenic Cables S.A. Holdings Société Anonyme completed.
- In July 2017, Halcor sold its participation in Sofia Med to Elval.
- In December 2017, merger by absorption of non-listed Elval by Athens Stock Exchange listed Halcor concluded with the latter renamed to ElvalHalcor Hellenic Copper and Aluminium Industry S.A. (ElvalHalcor).
- In February 2018, commencement of trading of new shares of ElvalHalcor on the Athens Stock Exchange.

Revenue

EUR mil.

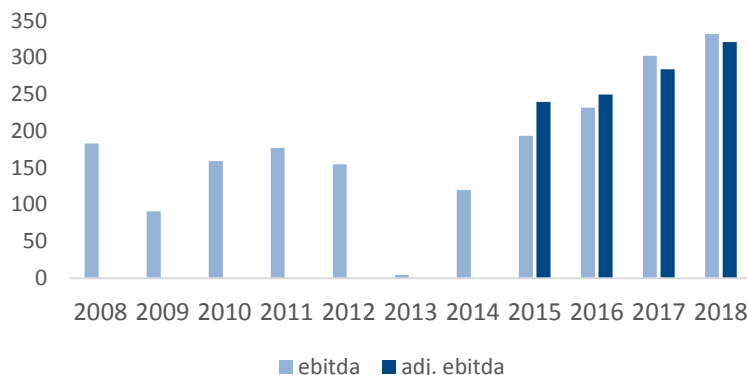


2018 was a year of growth and improved profitability across core business segments, supported by continuous investments to meet end market trends.

- Viohalco’s consolidated revenue was EUR 4,406 million, up 18% year-on-year, as a result of increased sales volumes in all core segments.
- Consolidated EBITDA was up 10% year-on-year to EUR 332 million, while consolidated adjusted EBITDA (a-EBITDA) amounted to EUR 317 million, up 12% (2017: EUR 284 million).
- Viohalco’s consolidated profit before income tax for the year was EUR 96 million, compared to EUR 57 million in 2017.
- Consolidated profit for the period amounted to EUR 85.9 million, slightly higher than 2017 (EUR 83.8 million), despite the significant increase in profit before tax, due to the recognition of deferred tax assets relating to carried forward tax losses and to thin capitalization rules during 2017.

EBITDA

EUR mil.



Note: 2008-2011 Viohalco – Hellenic financials



Sustainability is fully integrated into the strategies of Viohalco companies. Each one is committed to improving its environmental performance, operational health and safety, employee development and local community support.



People are the driving force behind the development and growth of the companies.



Their health and safety is a core value and an absolute commitment.



Viohalco companies are committed to conducting business in a safe and environmentally responsible manner.

Preventive measures are in place and a proactive approach is widely applied.



The significant challenge posed by **climate change** is acknowledged by the companies as they seek to address this.



The companies strive to **support local communities**, employment and entrepreneurship and encourage volunteerism.

VIOHALCO

AI

Aluminium Segment



Sales in
100 countries



More than
50 years'
experience



10 manufacturing
plants across
3 countries



Technologically advanced &
innovative for custom made
solutions



State of the
art facilities



100+ Turnkey
solutions providers



Viohalco companies offer a wide variety of aluminium products, including coils, strips, sheets and foil for various applications, coils for lithographic printing and architectural and industrial aluminium profiles.

The aluminium segment processes, manufactures and markets aluminium product solutions for highly demanding multinational customers in a number of markets. With state-of-the-art production facilities in Greece, the United Kingdom and Bulgaria, and a dynamic commercial presence in all key geographical markets, aluminium segment companies maintain a solid position within the global aluminium industry.



Building & construction

Flat rolled aluminium products & solutions, coated aluminium products used in the building envelope, aluminium architectural building systems.

Transportation

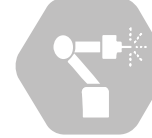
Aluminium shales and plates for marine applications, aluminium solutions for trucks, trains, buses, and commercial vehicles' components, brazing products for heat exchangers. Automotive extruded profiles for crash management systems, chassis, suspension systems, doors.

Lithography industry

Litho coils for the offset printing industry including computer - to plate - applications.

Industrial applications

Aluminium rolled products, extruded profiles and components, electrical strips for transformer windings.



Packaging industry

Sheets and coils for rigid packaging, beverage and food cans and closures, aluminium flexible packaging for food, pharmaceutical, and household applications.

Energy and power networks

Aluminium coils for the production of bus-ducts in power plants and for LNG storage tanks, strips for transformers, wide tread plates, products for windmill applications, profiles for photovoltaic applications.

Heating, ventilation A/C and refrigeration market

Aluminium brazing strips and foils for heat exchangers.

Other markets

Aluminium circles and shapes for household appliances and cookware. Composite panels, profiles and prepainted coils for signage.





Flat rolled aluminium products and solutions for the packaging, building and construction, sea, road and rail transportation, energy, cookware and HVAC&R markets.

Location: Oinofyta - Greece
Capacity: 292,500Tn/year



Solutions for a complete range of coated aluminium products used in the building envelope: Etalbond® aluminium composite panels, Elval ENF™ coated aluminium sheets and Ydoral®, Orofe® coated strips for rain gutters and roofing applications .

Location: St. Thomas - Greece



Surface-critical rolled aluminium products, litho coils for offset printing, foilstock, aluminium products for transformer windings, cable wrap and for automotive.

Location: Bridgnorth - UK
Capacity: 115,000Tn/year



Foil for flexible packaging, pharmaceutical packaging, technical applications, semi rigid packaging, tea lights, household aluminium foil, etc.

Location: Oinofyta - Greece
Capacity: 52,000Tn/year of aluminium foil rolling



Foil for pharmaceutical packaging, flexible packaging, cigarette inner liners, lidding, confectionery etc.

Location: Mandra - Greece
Capacity: 26,000Tn/year of foil converting



Aluminium architectural building systems, aluminium extruded solutions, automotive products etc.

Location: Sofia – Bulgaria / Magoula - Greece
Capacity: 35,000Tn/year





Rolling progress

Elval is the aluminium rolling division of ElvalHalcor. It processes, manufactures and markets flat rolled aluminium solutions for a number of diverse applications.

Elval serves the packaging, building & construction, sea, road & rail transportation, energy, cookware and HVAC&R industries.

Through continuous investments in R&D and an established global commercial network, Elval offers reliable, innovative and competitive solutions that meet the requirements of the most demanding global customers.

Member of



We have the rolling expertise that you need for your business

Tailor-made, sustainably designed products to everlast.



Sales in more than 60 countries



Established in 1973



Reliable & dynamic aluminium solutions' provider



State of the art facilities



Elval Colour is a leading European coated aluminium and composite panel manufacturer that produces and sells a full range of building envelope products of superior quality using the latest technology.

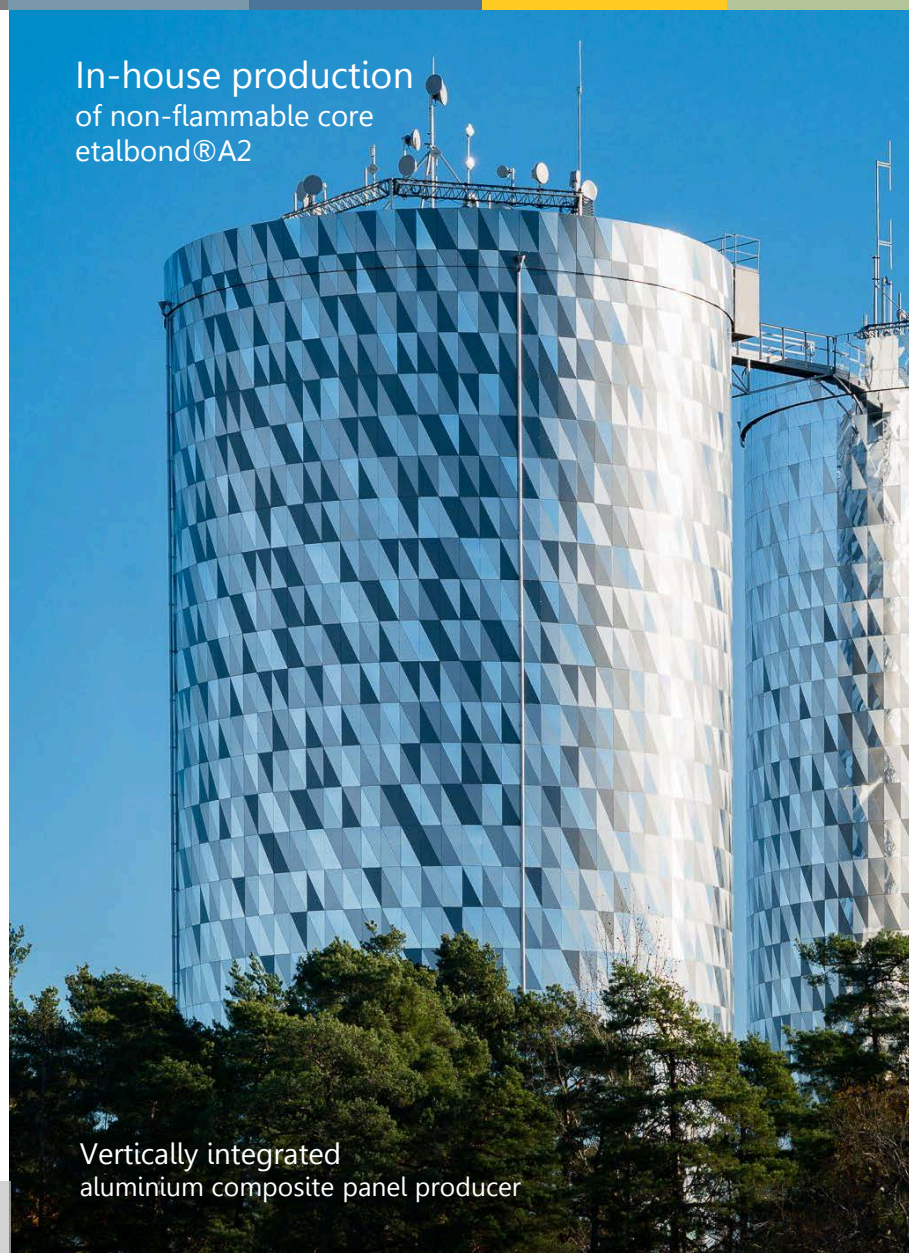
With 40 years' experience in coating and colour matching, Elval Colour is a reliable partner that offers added value services to customers by assisting in product specification and selection to best suit the needs of specific projects/applications. A customer-centric approach accompanies production and product delivery and continuous R&D facilitates the steady improvement of technology, quality and environmental standards.

Application	Product Brand
Façade	etalbond® composite panels etalbond FR® etalbond A2® Elval ENF™
Corporate ID & Signage	etalbond® d ³ , etalbond® d ² , etalbond® d ¹ : light weight composite panels
Rain Gutters	YDORAL®
Roofing	OROFÉ®
Coating Systems	Agraphon®, Arypon®

Member of



In-house production
of non-flammable core
etalbond®A2



Vertically integrated
aluminium composite panel producer



Sales in
more than
70 countries



Established in
1977



Experience in
Coating
and
Colour
Matching



Coating Systems
made to
suit any project
requirement



Bridgnorth Aluminium is a fully integrated producer of flat rolled aluminium coils with all stages of production contained on one site. The Company's expertise spans the whole supply chain from casting of rolling ingot, to the hot and cold rolling processes, heat treatment, slitting, levelling and degreasing.

Bridgnorth Aluminium's focus is on surface critical and soft alloy applications. Through its own R&D laboratory and aluminium segment laboratories in Greece, and through its technology partnership with UACJ, Bridgnorth Aluminium invests in product and process improvements.

2 dedicated finishing lines for litho coils



market share
30% EU
10% globally



Established in
1957



90%
exports



Litho:
2nd in Europe,
USA
by market share

✉ sales@ bridgnorthaluminium.co.uk

📍 www.bridgnorthaluminium.co.uk



Symetal produces aluminium foil (from 6 to 200 mic) and aluminium flexible-packaging materials.

The Company is highly export-oriented with 93% of its sales in finished goods carried out in more than 60 countries in Europe, the Middle East, Africa, the Far East, America and Australia.

Symetal has two production facilities:

- A rolling plant dedicated to the production of plain aluminium foil in a wide range of thicknesses and alloys.
- A converting plant focused on the conversion of aluminium foil into a number of packaging applications.

Member of



Aluminium foil and aluminium flexible-packaging materials with a wide range of end-market applications

Converter foil
Pharmaceutical foil
Cable foil
Foil for food containers
Foil for tea lights
Foil for heat exchange equipment
Foil for technical applications
Household oil
Hair foil
Cigarette aluminium foil
Plate aluminium foil
Chewing gum foil
Lacquered lidding foil
Lacquered blister foil
Lacquered cheese foil



Sales in more than 60 countries



Established in 1977



40 years experience aluminium foil rolling and processing



Vertically Integrated operation



Tailor made packaging solutions



A leading aluminium extrusion supplier Etem is a fully integrated designer and producer of architectural systems and aluminium profiles for the automotive industry and other industrial applications.

Through continuous innovation and investment, cutting-edge equipment and people, Etem is an international company with worldwide exports and presence.

The company is committed to serving its customers with value added products and solutions, thus establishing and maintaining longstanding relationships.

Etem holds a strong position in Southeastern Europe and continuously pursues opportunities to penetrate more countries and emerging markets.

The company is loyal to its customers. It continuously delivers on its promises to innovate, provide bespoke solutions and integrated assistance throughout projects, and provide strategic business thinking, supporting the commercial success of its customers.

Architectural aluminium systems for sustainable and energy efficient building envelope

Aluminium extruded products for diverse industrial applications



Presence in more than 40 countries



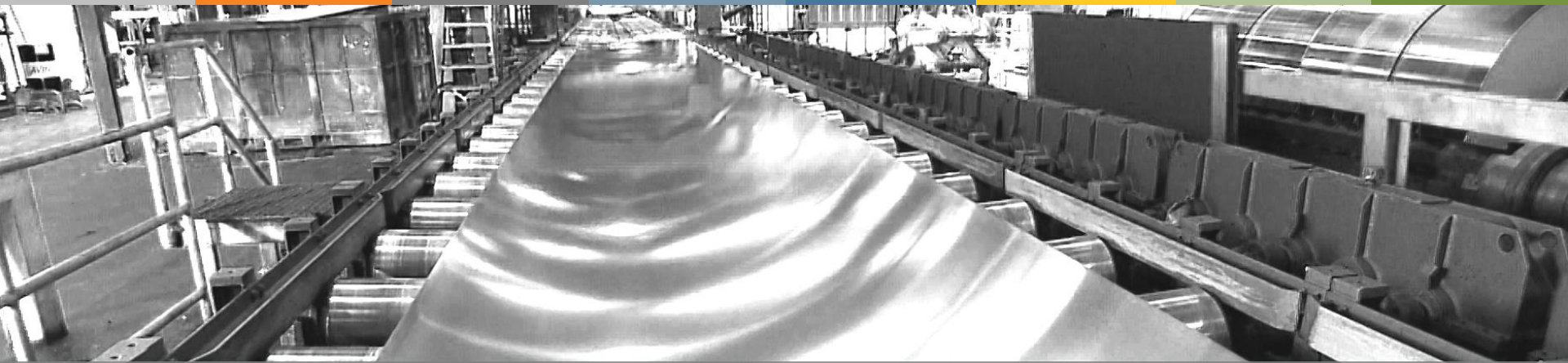
8 logistic centers in 6 countries



Established in 1971



Automotive industry
crash relevant systems



Recent news

The global FRP market remained favorable throughout 2018 with positive developments in Europe and the US.

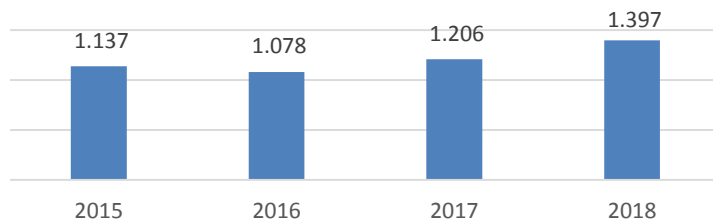
Demand for FRP was driven by the transportation and industrial sectors, and a strong global upward trend in demand for packaging products.

Product mix was optimized by focusing on niche, value-added aluminum sheets and coils in all sectors.

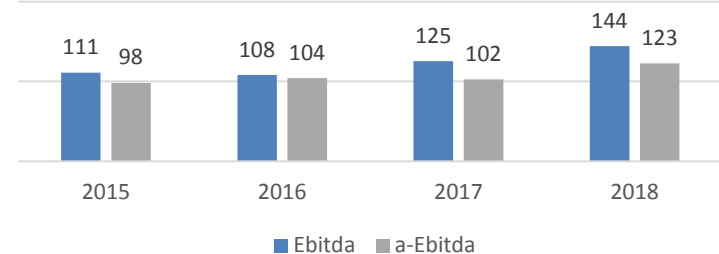
Combined sales volumes of the Greek aluminum rolling division grew 7%, while sales volumes of Bridgnorth Aluminium grew 18%, driven mostly by share gains in the lithographic segment. Sales in the extrusion unit were in line with expectations, supported by the re-opening of production facilities at the Greek plant.

As part of the €150 million investment programme, Elval invested €47 million in a new four-stand-tandem aluminium hot finishing mill, the first parts of which will be delivered in 2019. Orders have also been placed for the purchase of supplementary machinery and upgrades of the existing one.

Revenue (in EUR million)



EBITDA (in EUR million)



VIOHALCO

Cu

Copper Segment



Sales in
~60 countries



80
years
of experience



7 manufacturing
plants in 3 countries



Technologically advanced &
innovative for custom made
solutions



State of the
art equipment



8 logistics centers
in 6 countries

HALCOR

SOFIA MED

FITCO

Copper has been at the core of Viohalco companies' activities, since Viohalco was established in 1937. Copper segment companies provide their global customers with quality copper, copper alloy and brass products ranging from copper tubes for water supply and heating networks, air-conditioning, refrigeration and industrial applications to copper sheets and strips for architectural and industrial applications.

Viohalco is active in the copper industry through Halcor, ElvalHalcor's copper tubes division and its subsidiaries Fitco. and Epirus Metalworks in Greece, Sofia Med in Bulgaria and HC Isitma in Turkey. Also Viohalco is active in titan zinc processing through NedZink, a joint venture in the Netherlands. Through an extended product portfolio that primarily comprises copper and brass tubes, copper, copper alloy and brass rolled and extruded products, companies in the copper segment cater to the complex needs of clients across all major geographical markets.


The production base of the copper companies includes efficient manufacturing facilities in Greece and Bulgaria which provide versatile and dynamic solutions for customers.



HALCOR

Copper tube plant
Copper tubes with or without plastic coating or industrial insulation

Location: Oinofyta - Greece
Capacity: 80,000Tn/year



HALCOR

Foundry
Copper billets and slabs


Location: Oinofyta - Greece
Capacity: 235,000Tn/year



SOFIA MED

Rolled and extruded copper and copper alloy products such as sheets, strips, plates, circles, disks, bare and plated bus bars, rods, profiles, components and wire

Location: Sofia - Bulgaria
Capacity: 120,000Tn/year



FITCO

Copper alloy rods, tubes, sections and wires


Location: Oinofyta - Greece
Capacity: 40,000Tn/year



EPIRUS METALWORKS

High quality coin blanks in a wide range of colours and material combinations: monochrome blanks, outer rings for bi-colour blanks, inner blanks for bi-colour blanks, Assembled bi-colour blanks, electroplated bi-colour blanks

Location: Pogoni, Ioannina
Capacity: 5,000Tn/year



NedZink

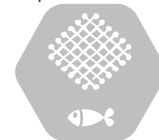
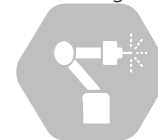
Rolled titanium zinc products: Zinc facades and - roofs (e.g. standing seam), natural zinc, pre-weathered zinc (patinated) in coils, sheets, strips, gutters and accessories

Location: Budel – Dorplein Holland
Capacity: 24,000Tn/year



Building & construction

Copper sheets and strips, brass products for internal architecture and decoration, brass bars, tubes and sections



Renewable energy

Talos® Geotherm copper tube,
Talos® Ecutherm Solar copper tube

Heating, ventilation, air-conditioning and refrigeration market

Plain, inner grooved and insulated copper tubes (Talos® ACR, Talos® ACR Inner Grooved, Talos® ACR Ecutherm, Talos® ACR Ecutherm II, Talos® Form, Talos® XS) for heating, air-conditioning and refrigeration (HVAC&R), copper strips for boilers and heat exchangers, brass strips for heat exchangers

Water supply and sanitary

Talos® and Cusmart® copper tubes for use in water supply, heating, under-floor heating, cooling networks, natural gas installations

Brass rods for the manufacturing of fittings, brass tubes for bath accessories

Transportation

Copper alloys for automotive connectors, special alloys brass rods for automotive valves

Industrial applications

Talos® copper tubes for various industrial applications such as filters, fittings, solar panels, cable shoes, etc. Copper and brass sheets, strips and plates for electrical use, transformer strips and cable screening, brass products for further processing, brass rods, tubes, wires, sections and flats for springs, screws, rivets, various turned parts, hot-stamped parts and heat exchangers for corrosive environments, copper bus bars for switchgear applications

Fish farming and other markets

UR30 copper alloy wire and mesh for aquaculture cages



HALCOR

Halcor is the copper tubes division of ElvalHalcor S.A., a leading copper industry that specializes in the production, processing and marketing of copper and copper alloys products with dynamic commercial presence in the European and global markets.

For more than 80 years, Halcor has been offering innovative and added-value solutions that meet contemporary client demands in fields, such as plumbing, HVAC&R, renewable energy, engineering and industrial production.

High quality in production is achieved through strict controls applied throughout the production process. With a consistent quality focus, the company implements an ISO 9001:2015 Certified Quality Management System and leverages high technologies and expert staff.

As a result of the Group's strategic investments in research & development, Halcor is recognized as one of the leading copper producers globally, setting new standards in copper processing. The company maintains a consistent focus on quality and environmental protection and a strong commitment to the principles of sustainable development. In this context, all production facilities in the Group's plants leverage advanced technologies to bring in the market innovative products that are energy efficient and environmentally friendly.

Member of



Leading supplier
of top European

HVAC&R manufacturers

DAIKIN
ARCELIK/LG
CARRIER
SEST/LUVE
GUNTNER

Tube heat transfer lab
for inner groove tubes
tailor made solutions

Tubes with
microgroove®
technology



Sales in
more than
55 countries



80
years'
experience
in copper processing



25
years'
experience
in thin wall tubes



Copper tube plant
Biggest output under
one roof in Europe



Market leader
in Europe



Active for over thirty-five years, Fitco is an industrial company specialising in copper alloy semi-finished products for industrial and architectural applications.

Fitco aims to meet customers' needs and exports the majority of its high-quality products to more than twenty-five countries worldwide. Fitco recently started producing brass rods of Free Brass™, a low lead alloy most suitable for contact with drinking water.

Fitco is committed to sustainable development and environmental protection.

Member of



Sales in
more than
25 countries



40
years'
experience

Supplier
of copper alloy
products for
building and housing
construction,
transportation,
electronic and electrical
sector, industrial
machinery and
equipment, marine and
naval market
(aquaculture),
antimicrobial CU+,
writing instrument
industry, alkaline battery
market

UR30ST copper alloy wire and mesh
for aquaculture cages

SOFIA MED

Sofia Med produces a wide range of rolled and extruded copper and copper alloy products such as sheets, strips, plates, circles, disks, bare and plated copper bus bars, rods, profiles, components, and wire used in a wide variety of building and industrial applications.

Sofia Med is situated in Sofia, Bulgaria, on a 250,000 m² area and has three production units: Foundry, rolling and extrusion mills. With over 80 years of manufacturing experience and significant investment, Sofia Med has evolved into a competitive modern European company with customers across the globe.

Sofia Med operates under strict quality, environmental, and health and safety management systems, in compliance with ISO 9001, ISO 14001, IATF 16949 and OHSAS 18001 standards. The company conforms to the ISO 26000:2010 guideline on Social Responsibility. Sofia Med's product range meets all Unified European standards (EN) as well as BS, DIN, ASTM, JIS standards, or any other specific customer request.

Member of



ELVALHALCOR
HELLENIC COPPER AND ALUMINIUM INDUSTRY S.A.

Sales in
Europe, Middle East,
Asia, Africa, Central
and North America

18%

of the roofing market in Europe

~18%

of the bus bars market in Europe



Sales in
more than
62 countries



80
years'
experience
in copper processing



97%
exports



**BUREAU
VERITAS**

Letter
of Conformity:
ISO 26000:2010
on Social
Responsibility



Recent news

All companies in the segment continued to grow sales, supported by volume growth.

Sales volumes grew 8.8%, surpassing the growth rate of demand in the market, supported mainly by the improved performance of flat rolled products.

Metal prices for 2018 remained broadly stable with a decline registered at year-end resulting in a neutral result from metal, in contrast to the metal profit of 2017.

Nevertheless, adjusted EBITDA increased year-on-year owing to the successful implementation of strategic initiatives.

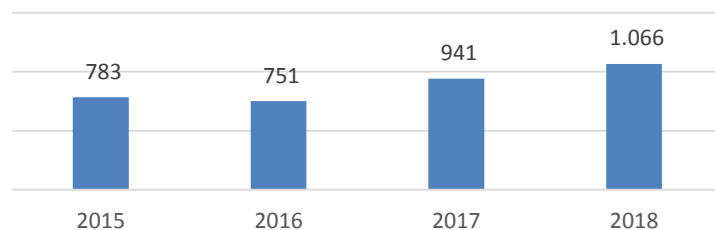
In H2 2018, copper companies in Greece and Bulgaria successfully renegotiated their loans resulting in a reduction in the effective interest rate and an extension in the maturity term of the loans.

To reinforce competitive positioning, the companies in this segment continued to progress their respective investment programmes in 2018.

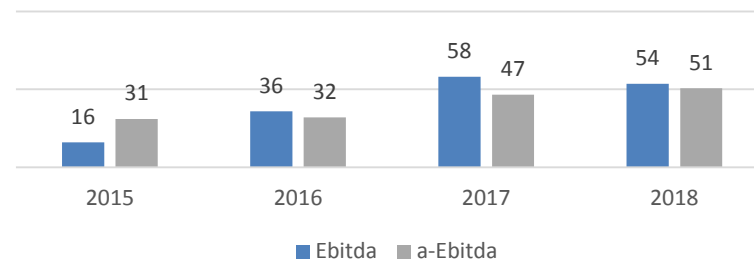
Halcor's investment in the copper tubes mill was successfully completed, increasing overall production capacity by 5,000 tonnes.

As for Sofia Med, the Company commissioned a hot dip tinning line for strips, facilitating access to markets and products with high demand and added value, and a new furnace in the foundry, doubling capacity for standard copper alloys.

Revenue (in EUR million)



EBITDA (in EUR million)





ElvalHalcor is a leading global industrial producer of aluminium and copper, formed in December 2017 via the merger of Elval and Halcor.

The Company has over 80 years of experience, a strong production base across 14 industrial units in Greece, Bulgaria and Turkey, a market presence in over 100 countries, and highly experienced, specialised personnel.

ElvalHalcor is active in several dynamic and growing markets, including:

- Automotive and shipbuilding
- Packaging
- Energy and power networks
- Renewable energy
- Industrial applications
- Heating, ventilation, air conditioning and refrigeration (HVAC&R)
- Building and construction
- Water supply.

VIOHALCO

Fe

Steel Segment



Sales in
40 countries



Established
1962



**Biggest long steel
producer** in SE Europe



3,600,000 Tn Meltshops
3,600,000 Tn Rolling Mills



Cost competitive
operations



Innovative products
for Concrete
reinforcing construction



**3 ports &
13 logistics centers**



With more than 55 years of industry know-how and expertise in steel, Sidenor, Stomana Industry and their subsidiaries constitute the steel production and distribution segment of Viohalco, offering high quality and innovative solutions to their customers.

The key characteristics of the products of Sidenor, Stomana Industry and their subsidiaries are:

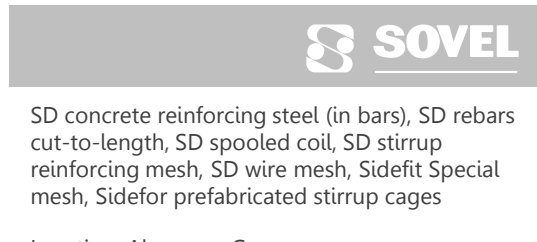
- . outstanding quality; strict adherence to applicable standards and regulations
- . excellent customer service through their extensive sales and logistics network
- . innovative features providing customers and end users with added value

Products are mainly used in major technical construction works, industrial applications, shipbuilding, in the automotive industry, and in the energy production sector, among other uses.



SD concrete reinforcing steel (bars & coils), merchant bars, wire rod

Location: Thessaloniki - Greece
Capacity: Meltshop 800,000 Tn/year
Long products mill 800,000 Tn/year



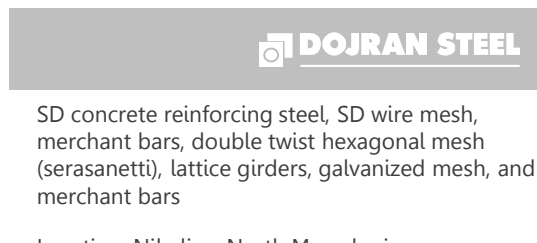
SD concrete reinforcing steel (in bars), SD rebars cut-to-length, SD spooled coil, SD stirrup reinforcing mesh, SD wire mesh, Sidefit Special mesh, Sidefor prefabricated stirrup cages

Location: Almyros - Greece
Capacity: Meltshop 1,350,000 Tn/year
Long products mill 1,200,000 Tn/year



SD concrete reinforcing steel, special bar quality steels (SBQs), quarto plates, merchant bars, grinding balls, THN mining profiles and boron flats

Location: Pernik - Bulgaria
Capacity: Meltshop 1,400,000 Tn/year
Plate mill: 400,000 Tn/year
Long products mill 1,000,000 Tn/year



SD concrete reinforcing steel, SD wire mesh, merchant bars, double twist hexagonal mesh (serasanetti), lattice girders, galvanized mesh, and merchant bars

Location: Nikolic – North Macedonia
Capacity: Long products mill 200,000 Tn/year



Building & construction

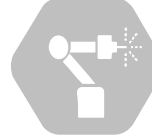
SD integrated concrete reinforcing system (Concrete reinforcing steel, bars and coils, cut-to-length rebar, spooled coil, mesh, stirrup reinforcing mesh, Sidefit special mesh, wire mesh, Sidefor stirrup cages, Inomix steel fibers, lattice girders), merchant bars, wire rod, quarto plates, galvanized mesh, double twist hexagonal mesh (serasanetti), welding products, welded electrodes, wire products (galvanized wire and black wire), thin wall pipes and tubes

Industrial applications

Merchant bars and wire rods, quarto plates, special bar quality steels (SBQs) for use in hydraulic cylinder, forging and other engineering steel sectors

Other markets Mining & tunneling

THN mining and tunneling profiles for steel arches for public works and underground mines, as well as formworks for tunnels



Transportation automotive & shipbuilding

Quarto plates, special bar quality steels (SBQs), special profiles (THN, Boron flats), wire and welding consumables for vehicle manufacturing industry and shipbuilding, forging parts for the agricultural industry

Energy and Power networks

Merchant bars, flats and equal angles for high voltage transmission towers, special bar quality steels (SBQs), IPE beams





Sidenor is a leading producer of steel products in South East Europe. Its extensive product portfolio, which includes long, flat and downstream steel products, is manufactured across nine facilities in Greece, Bulgaria, Romania and in North Macedonia.

Sidenor's products are used in work sites and projects in many countries like Germany, Romania, Balkans, Algeria, Israel and the U.S.A.

Sidenor Group is a global supplier, providing a full range of solutions in the steel sector, to cater to the complex needs of its clients worldwide.

Long experience in
multimodal logistic
across Balkans



Wide
portfolio
of merchant bars
squares, circulars,
rectangular,
angles, IPE, UPN,

More than



years'
experience

Capacity

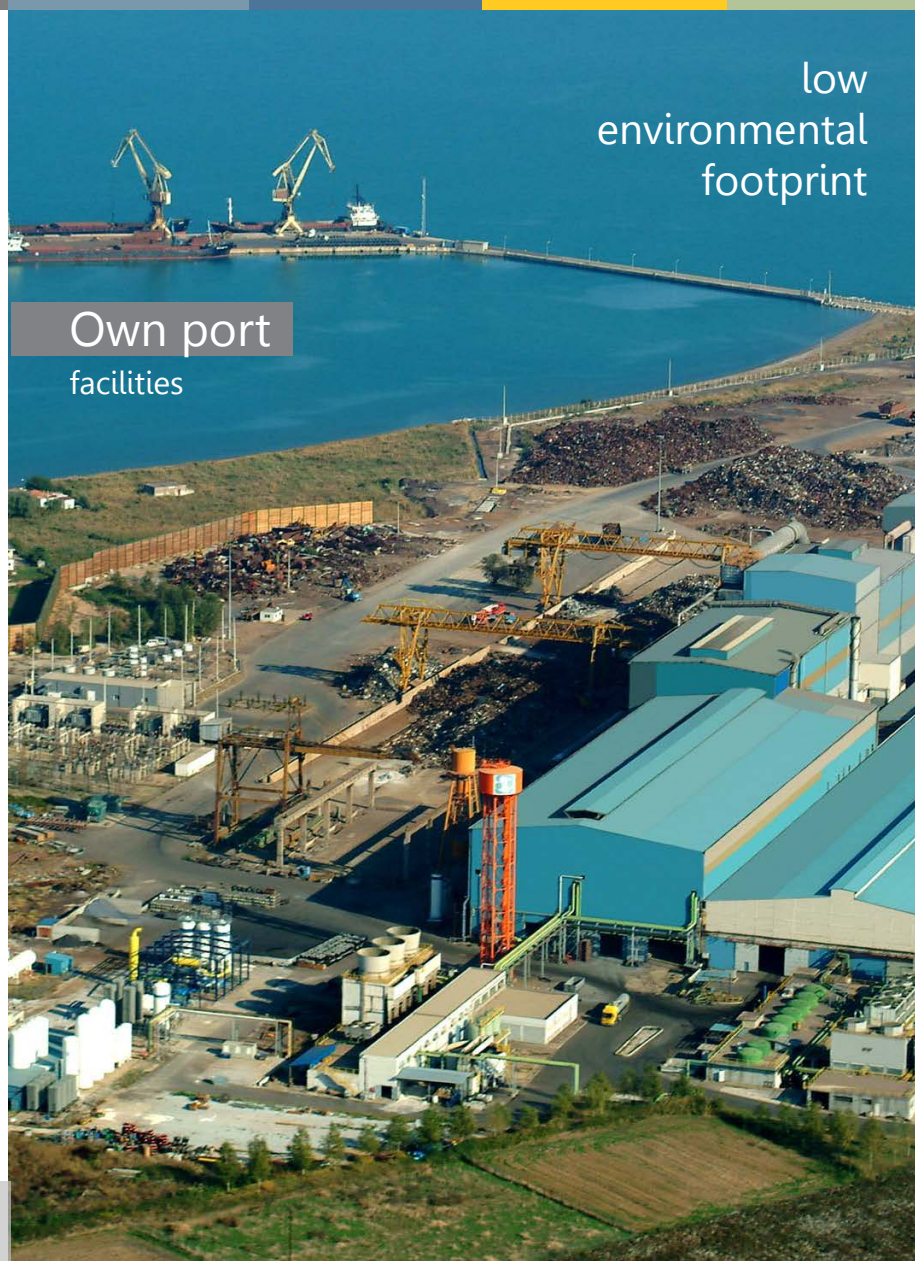


Meltshop
800,000Tn/year

Rolling mill
800,000 Tn/year



Sovel's Almyros production facility manufactures SD concrete reinforcing steel in bars, spooled coils and mesh as well as the Sidefit, Sidefor and Sidefor Plus lines of products

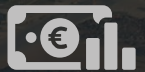


low environmental footprint

Own port facilities



State of the art facilities



Investments in high-end technology

Capacity



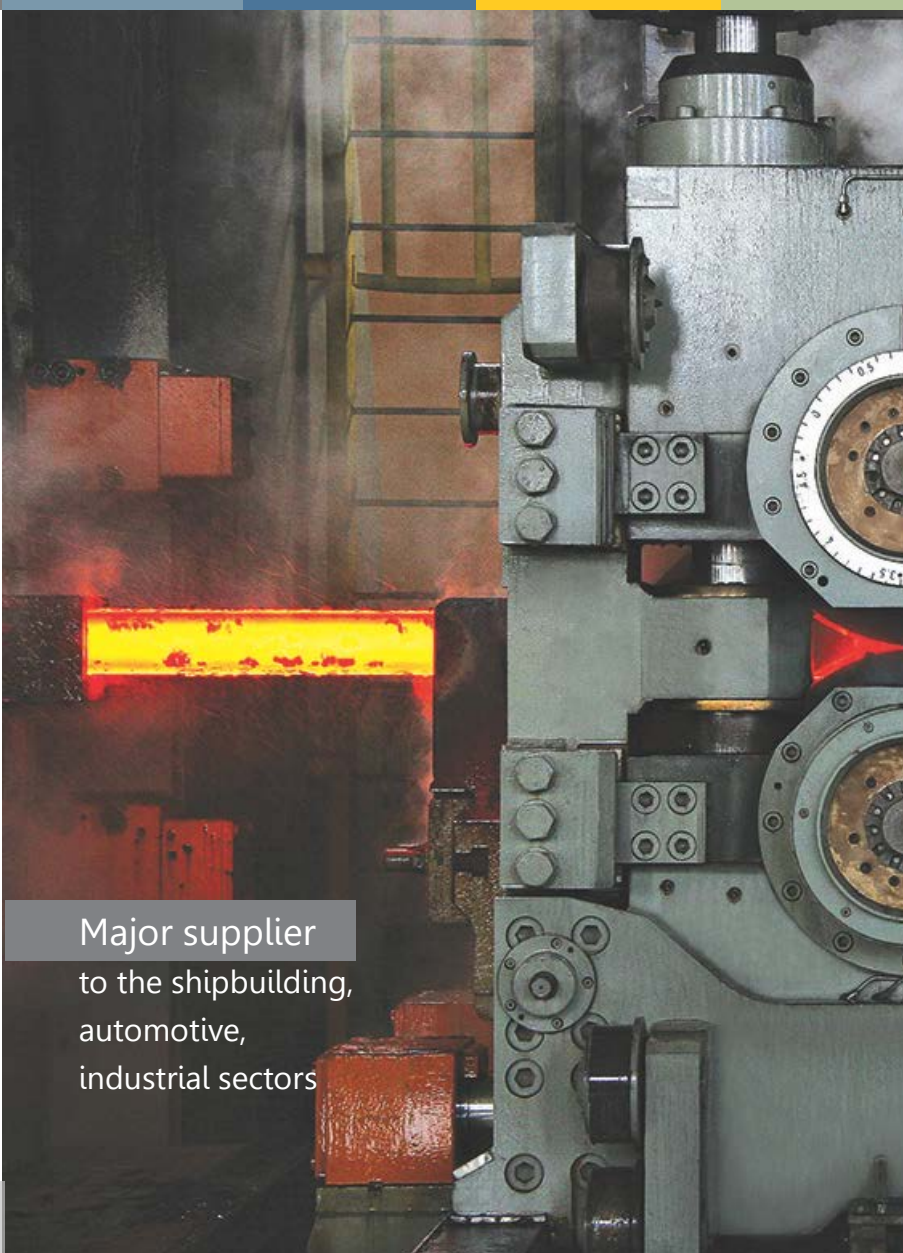
Meltshop
1,350,000Tn/year

Rolling mill
1,200,000 Tn/year



Stomana Industry is a leading steel manufacturer in Bulgaria. The company has been present in the Balkan and international markets for more than 60 years, and produces a wide range of products, including reinforcing steel, quarto plates, merchant bars, special bar quality steels (SBQs), grinding balls, special profiles and sections.

Stomana Industry continuously invests in the most up-to-date technology, in order to ensure high quality products and high standards of customer service.



Main markets:

Central Europe,
Balkans,
US, MENA

Wide range of Products

Rebar, quarto plates,
special bar quality,
merchant bars,
grinding balls, special
profiles

Capacity



Meltshop
1,400,000Tn/year



Plate mill
400,000 Tn/year

Long products mill
1,000,000 Tn/year

Major supplier
to the shipbuilding,
automotive,
industrial sectors



Recent news

Amidst a mixed and volatile environment in 2018, the segment successfully increased sales volumes by c.6% and revenue by 20% to €917 million, mainly by developing its reinforcing steel sales to the Balkan region and Cyprus, as well as wire rod and merchant bars sales.

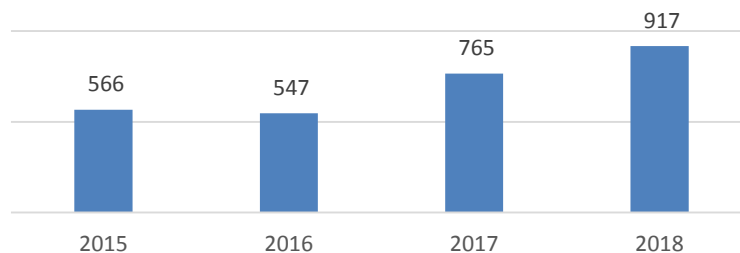
Prices, compared to international finished goods prices, were significantly improved as a result of improved customer service and strategic positioning in regional markets.

Increased sales led to improved plant utilisation, allowing for further operational efficiencies and the opportunity to capitalise on recent investments, such as the induction furnaces in the two Greek plants rolling mills.

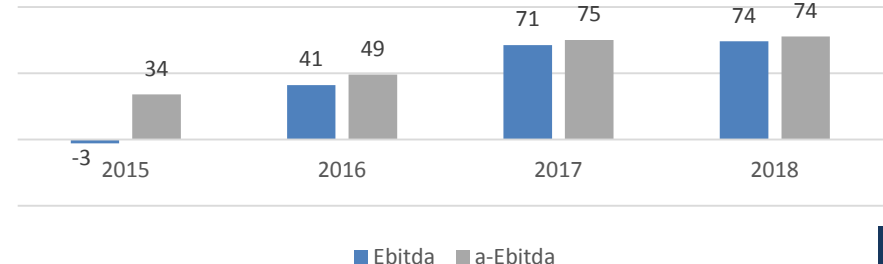
It should also be noted that throughout 2018, the steel segment contended with price increases in critical production materials, CO2 and electricity base prices in Bulgaria.

Improvement in profitability was also constrained by a decline in international scrap prices in Q4 2018, which resulted in metal losses.

Revenue (in EUR million)



EBITDA (in EUR million)



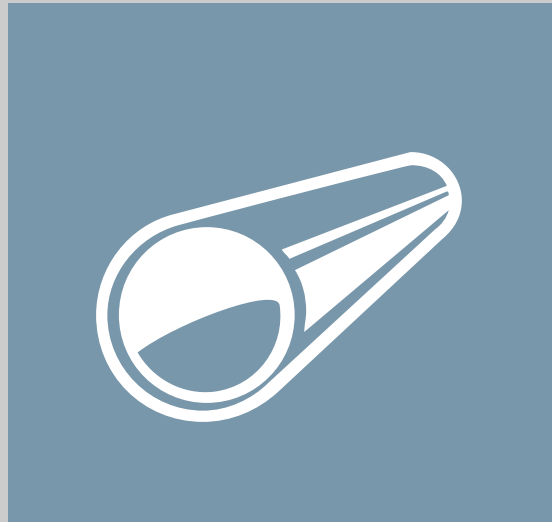
Recent news (contd)

In the USA, steel import tariffs affected the steel segment indirectly, especially after tariffs to Turkish steel imports were doubled. Quotas imposed by the EU proved insufficient to counterbalance this effect.

Demand for steel in the Greek market remained low, while an improvement in the market conditions of Romania enabled the steel segment to capitalise and expand on its strategic position in this market.

With regards to key operational developments, strategic expansion in SBQ steels progressed through new investments, while new products were launched in SBQ steels, wire rods and merchant bars - the latter as a consequence of the recent investment in Dojran Steel plant.

VIOHALCO



Steel Pipes Segment



Sales in more than **45 countries**



Established 1969



Supplier of choice to the largest international oil & gas companies



Annual capacity 925,000 Tn



>22,000 km total pipe production 2002 - 2018



>2,500 km in offshore pipelines 2002 - 2018



Corinth Pipeworks is one of the world's leading steel pipe manufacturers for the oil and gas industry and a major steel hollow sections supplier to the construction sector.

Corinth Pipeworks has half a century of experience, a philosophy of pursuing excellence and the technological superiority to deliver innovative solutions and an overall high performance to its customers.

Production base



Products: Steel pipes
Markets: Oil & gas pipelines, construction
Capacity: 925,000Tn/year
Location: Thisvi, Greece

TMK CPW

Products: Steel pipes
Markets: Oil & gas pipelines, construction
Capacity: 200,000Tn/year
Location: Polevskoy, Russia



Markets & Products



Oil & gas pipelines

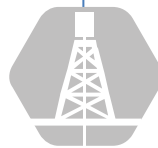
Onshore: ERW 8"-26" x 25,4mm
 HSAW 24"-100" x 25,4mm
 LSAW 16"-56" x 40,0mm

Offshore: ERW 8"-26" x 25,4mm
 LSAW 16"-56" x 40,0mm



OCTG (drilling & extraction)

ERW 8"-26" x 25,4mm
 LSAW 16"-56" x 40,0mm



Construction

ERW 8"-26" x 25,4mm
 HSAW 24"-100" x 25,4mm
 LSAW 16"-56" x 40,0mm
 ERW 2"-7" x 10,0mm



Global presence



Find more in www.cpw.gr

Oil & gas companies – EPC contractors





With over a half century of experience, Corinth Pipeworks has worked with major energy companies across the globe on highly demanding projects. The company's client based philosophy has resulted in strong, long term mutually beneficial relationships.


Corinth Pipeworks operates a state-of-the-art plant in Thisvi, Greece with 925,000Tn/year capacity, where it continuously invests to support delivery of reliable quality solutions on time. It offers one of the widest product ranges in the industry, as well as tailor-made solutions to demanding projects.

The Company combines cutting edge technology, advanced machinery and equipment with a unique team of experts, eager to respond and find solutions to customer needs.

Member of




Unique production range worldwide


Downstream operations All in one plant


Steel pipes for oil & gas sector and hollow sections for the construction sector


Long experience in realising demanding projects

Port facilities exclusive use

Integrated services coating, project management, logistics etc



Recent news

In 2018, the steel pipes segment commenced its first deep-sea offshore pipes project, Karish, a strategic and highly demanding project in the SE Mediterranean, at a maximum depth of 1,750m, that only limited companies worldwide could deliver.

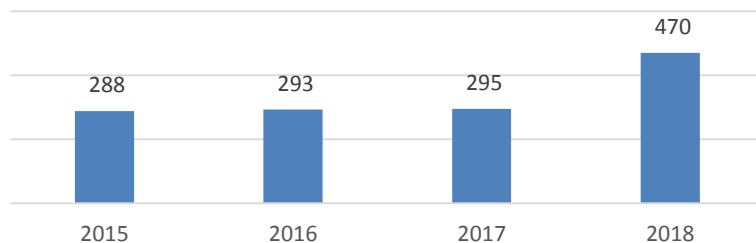
Many other offshore projects in the North Sea and Baltic region were successfully executed along with large-scale onshore projects in mature markets across Europe and the USA.

Our market position was further enhanced by:

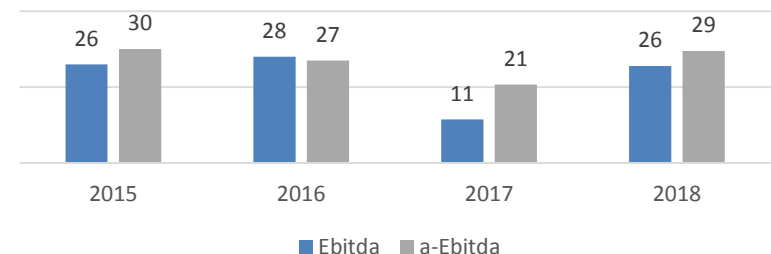
- Qualifications from major companies such as BP
- The manufacture of products for new applications, such as HFI pipes for reel-lay applications and LSAW pipes for offshore projects.
- Full integration of the concrete weight coating facility in the strategic plan

The steel pipes segment now has a clear competitive advantage when it comes to offshore projects.

Revenue (in EUR million)



EBITDA (in EUR million)



VIOHALCO



Cables Segment

Member of



Sales in more than
50 countries



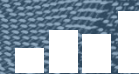
Established
1950



**6 manufacturing
plants in 3 countries**



180,000 Tn
in power cables



120,000 Tn
in copper wire rod



**State of the
art facilities**



100+ Turnkey
Solutions providers

CABLEL®
HELLENIC CABLES S.A.

FULGOR

ICME ECAB

Cabel[®] Hellenic Cables, its subsidiary Fulgor and Icme Ecab constitute the cables segment of Viohalco and are one of the largest cable manufacturers in Europe, exporting to more than 50 countries.

The cables segment's production base comprises six plants in Greece, Romania and Bulgaria. It manufactures underground and submarine power cables from low voltage up to extra-high voltage, and special cables and enamelled wires for application in various industries, while also undertaking the completion of turnkey power transmission and distribution projects.

Within the telecommunications industry, cables segment companies have also emerged as manufacturers of telecommunication cables, including optical fibre cables for underground, aerial and submarine use.



CABLEL®
HELLENIC CABLES S.A.

LV power cables, MV power cables, HV power cables, EHV cables up to 500kV, fibre optic cables

Location: Thiva - Greece
Capacity: 60,000Tn/year

FULGOR

Copper & aluminium rod, LV power cables, MV power cables, HV cables, fibre optic submarine cables, submarine MV cables, HV & EHV submarine cables up to 400kV

Location: Corinth - Greece
Capacity: 400km/year of HV submarine cables and 120,000Tn/year of rods



CABLEL®
HELLENIC CABLES S.A.

Copper round and rectangular enamelled wires
Aluminium round and rectangular enamelled wires

Location: Livadeia - Greece
Capacity: 12,000Tn/year of enamelled wires

ICME ECAB

Wire drawing, power cables, telecommunication cables, rubber cables, PVC & rubber compounds

Location: Bucharest - Romania
Capacity: 60,000Tn/year of cables



CABLEL®
HELLENIC CABLES S.A.

PVC, LSF and rubber compounds

Location: Oinofyta - Greece
Capacity: 20,000Tn/year

CABLEL®
LESCO LTD

Packing materials and wooden drums for cables

Location: Blagoevgrad - Bulgaria
Capacity: 17,000m³/year





Construction & Industrial

Power generation & distribution cables, power substation cables, instrumentation, data and fibre optic cables, enamelled wires



Power transmission, distribution & renewables

High and extra high voltage submarine and land cables, overhead conductors and turnkey installation

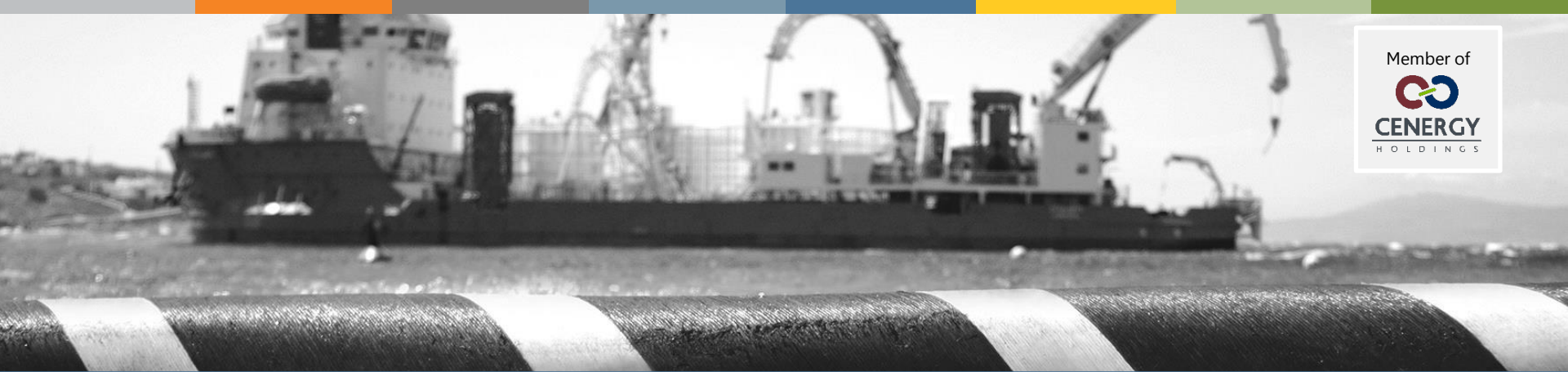


Oil & gas

Medium and high voltage submarine cables, fibre optic submarine cables and composite submarine cables

Telecom & data networks

Copper and fibre optic telecommunication, instrumentation and control, data transmission cables



Recent news

A steady pipeline of new projects was built up during H2 2018, while significant assignments, such as the interconnection of Tenny's wind parks, Borkum Riffgrund 2 and Trianel, were successfully completed.

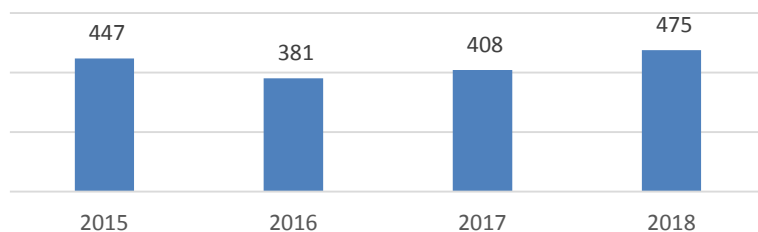
Delays to project awards, especially in H2 2018, led to lower than expected capacity utilisation at the Fulgor plant during the year.

The cables products business achieved higher sales volumes, which were up 6.3% compared to 2017, along with an improved sales mix. The main drivers of the enhanced performance were the improved performance in the Greek market, further penetration into new markets, such as the Nordic countries and the Middle East, and solid demand for telecom and signalling cables in Europe and the Middle East.

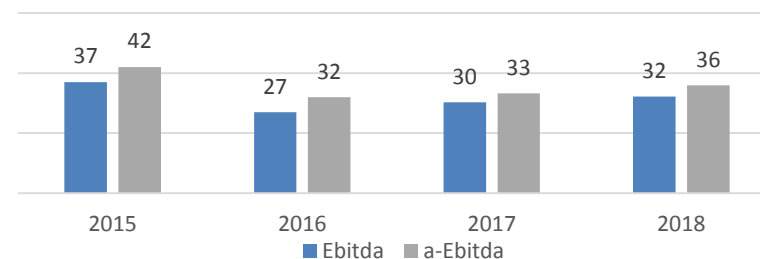
Investments in the cables segment amounted to EUR 44 million in 2018, largely attributable to the expansion and upgrade of the submarine unit at Fulgor's plant to meet expected future demand levels and improve productivity at the Hellenic Cables and Icme Ecab plants.

During 2018, the re-profiling of the segment's debt was completed, resulting in a total of EUR 88 million of debt being re-profiled at improved terms.

Revenue (in EUR million)



EBITDA (in EUR million)





Cenergy Holdings S.A. invests in industrial companies positioned at the forefront of high growth sectors, such as energy transfer, telecommunications and construction.

Based in Belgium, the Company was founded in 2016 and is listed on Euronext Brussels and the Athens Stock Exchange (Athex).

Cenergy Holdings' companies provide turnkey solutions and services to a large number of clients in the energy, telecommunications and construction sectors. With significant experience implementing large-scale projects globally and a strong focus on customer satisfaction, the companies are considered to have a leading role in their respective sectors.

VIOHALCO



Real Estate Segment



41 investment properties
(future REIC portfolio)



shopping centers,
hotels, office
buildings & plots of land



>400,000m²
total built area



main assets: River West Shopping Center,
Mare West Retail Park, Wyndham Grand Athens
Hotel, K29 Hotel



~ 180 tenants



extensive knowledge &
experience in the real
estate market



Noval:

Noval develops commercial real estate. Its current portfolio consists of 21 properties in Greece, including shopping centers, hotels, office buildings and plots of land, exceeding 150,000 sq.m in total built area.



Steelmet Property Services:

Steelmet Property Services provides a wide range of real estate services such as property, facilities and asset management for the subsidiaries of the holding company and third parties.

Real estate development expertise in the commercial and hospitality sectors



Mare West retail park | Corinth (Greece)



River West shopping center | Athens (Greece)



“Wyndham Grand Athens” Hotel | Athens (Greece)



“East Park Trade Center” office building | Sofia (Bulgaria)



Butterfly Office building | Athens (Greece)



Orbit Office complex | Athens (Greece)



Office complex | Athens (Greece)



IKEA store | Athens (Greece)



River West shopping center | Athens (Greece)

Main tenants

INDITEX

INTERSPORT

H&M

NIKE

adidas

MANGO

pregnata

next

UNITED COLORS OF BENETTON

IKEA

bp

B

meeting point HELLAS

softomotive

Zēniθ Κορυφαία ενέργεια.

mitsu|lift

Chevron

Helix

ΚΩΤΣΟΒΟΛΟΣ

DECATHLON SPORTS FOR ALL - ALL FOR SPORTS



Recent news

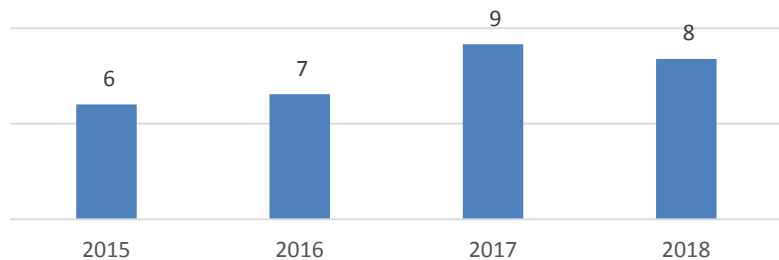
The loss before income tax is due to the decrease in revenue in combination with increased operational expenses, as a result of the development works in progress, aiming to the optimum use and the increase in rental income from currently idle properties.

River West shopping center recorded increases in rental income and footfall of 6.5% and 10%, respectively. The current occupancy rate is 100%.
Meanwhile, Mare West retail park achieved rental income and footfall increase of 5% and 10%, respectively.

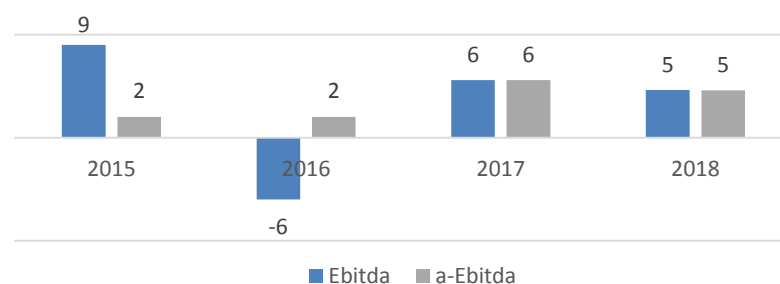
Other notable developments include:

- Completion of demolition works on the long-term leased Mouzaki property
- Hotel “Wyndham Grand Athens” and “K29” apartment hotel outperformed both in terms of turnover and occupancy.
- Construction works commenced on a LEED certified office building with completion recorded in January 2019 and an occupancy rate of approximately 90% at the time.
- A new 1,700sqm office building in Maroussi was acquired through a financial lease.
- Noval Property REIC obtained license to operate as a Real Estate Investment Company and an internally managed Alternative Investment Fund from the Hellenic Capital Market Commission. The establishment of Noval Property REIC is in progress.

Revenue (in EUR million)



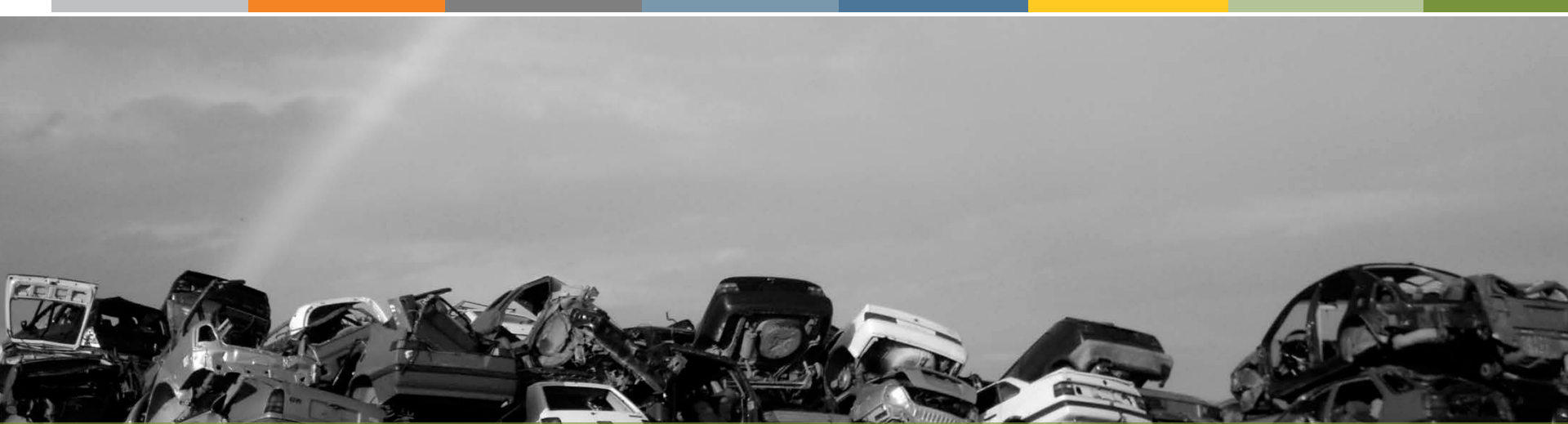
EBITDA (in EUR million)



VIOHALCO



Resource Recovery Segment



Active in
45 countries



50
years
of experience



9 sites of operation
across the Balkans



More than 600,000 Tn of
waste received annually



3 major environmental
awards



More than 300,000 Tn of
scrap metal sold annually



Viohalco's resource recovery segment trades and processes secondary raw materials, undertakes waste management, environmental operations, and provides services to consumers and corporations.

Resource recovery segment is one of Viohalco's most rapidly developing segments. It was formed as a result of Viohalco companies' commitment to the continuous improvement of its companies' environmental performance, and a desire to utilise waste for sustainable development.

In recent years, Viohalco's waste management companies have expanded the scope of their activities and broadened their customer portfolio to include multinational companies, public utilities, municipalities and extended producer responsibility schemes.



Aeiforos S.A. and its subsidiary Aeiforos Bulgaria S.A. process more than 400,000Tn of industrial waste per year through 3 recycling plants in Greece and Bulgaria. Aeiforos' scope is to provide sustainable alternative waste valorization solutions to industries, minimizing landfill disposal.

The resource recovery segment companies offer waste management services to steelmaking plants, non-ferrous metals smelters, scrap shredders and recycling industries among others.

Aeiforos' main products and services are:

- Slag aggregates certified according to CE 13043 for use in road construction in antiskid asphalt layers,
- Secondary raw materials for cement production,
- Scrap metals for steelworks and non-ferrous metals production,
- Integrated End-of-Life vehicles recycling and valorization of Automotive Shredder Residues through metal recovery and alternative solid fuel production,
- Waste management services for industry (steelmaking, non-ferrous metal production, etc.) including hazardous waste handling.



Environmentally friendly waste management solutions

Contributor to natural resources, energy saving and CO₂ emission reduction

1,000 km of motorways laid using EAF Slag antiskid aggregates



3 recycling and 1 port facility in 2 countries



2,400,000Tn of recycled aggregates (2003-2016)



Saving on natural resources annually by recovering

> 18,000Tn metals

> 400,000Tn secondary raw materials



Anamet S.A. is Greece's leading metals recycling company. Together with its subsidiaries, it offers a wide range of waste management services for the public sector, industrial and other companies, and extended producer responsibility schemes. These include servicing industrial sites, recovery and offtake of secondary raw materials, end-of-life products recycling, and safe disposal of non-recyclable process residues.

With approximately 60% of consolidated sales realised abroad, the company has established a strong international commercial network and has developed exceptional familiarity with the complexities of operating in different countries within a highly-regulated industry.

The recycling segment's companies carry out various corporate social responsibility initiatives to promote recycling, counter illegal activities and establish win-win practices for all stakeholders. Such initiatives include: metal alert (www.metal-alert.gr), car4care (www.car4care.gr), green auto parts (www.greenautoparts.gr) as well as WEEE management sensibilization programmes in schools.

✉ contact@anamet.gr

Expertise in
integrated dismantling
of old industrial facilities



metal trading in
45 countries



5 sites
of operations across
the Balkans



50
years'
experience



30,000
End-of-life Vehicles



15,000Tn
of WEEE
processed in 2017



Recent news

Revenue in the resource recovery segment decreased 31% year-on-year, while the result before income tax amounted to a loss of €1.8 million, compared to a gain of €1.7 million in 2017.

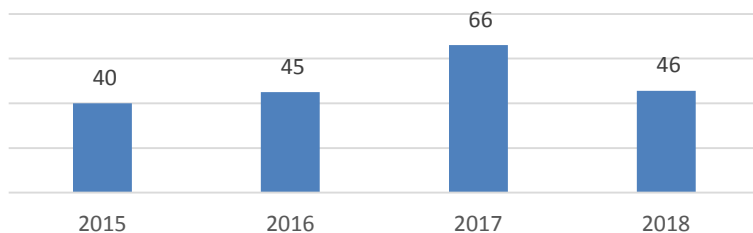
This is primarily due to:

- Weaker top-line performance
- Increased production costs

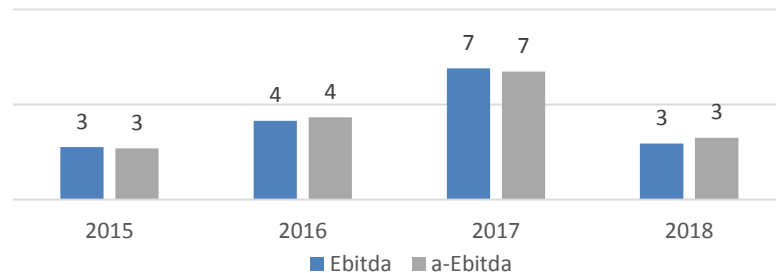
Protectionist trade policies adopted by China and Serbia, both key markets for non-ferrous and ferrous, respectively, caused significant disruption in the normal course of business.

Hazardous waste continued to support segment profitability, while end-of-life waste streams maintained volume levels, albeit with increased production costs due to new investments.

Revenue (in EUR million)



EBITDA (in EUR million)



VIOHALCO



Technology and R&D Segment



Development of high value added products
Efficient solutions for the optimization of industrial and business processes



Viohalco's R&D work focuses on developing new, innovative and high value added products, and efficient solutions to optimise industrial and business processes. At the forefront of technological developments, Viohalco companies promote on-going R&D, develop innovative solutions, and maintain strategic partnerships with scientific bodies, international research centres, and other pioneering companies around the world. Continuous scientific research, combined with experience from Viohalco companies' copper, aluminium and steel plants and foundries have resulted in significant in-house knowledge in metallurgy.

Viohalco companies invest in cutting edge factory lines and constantly upgrade existing lines to remain competitive in the global market. Experienced engineers enhance the performance, effectiveness and capabilities of the lines beyond manufacturers' expectations.

Through on-going research and industrial processes technology optimization, Viohalco companies' engineers strengthen their product portfolios with innovative solutions.



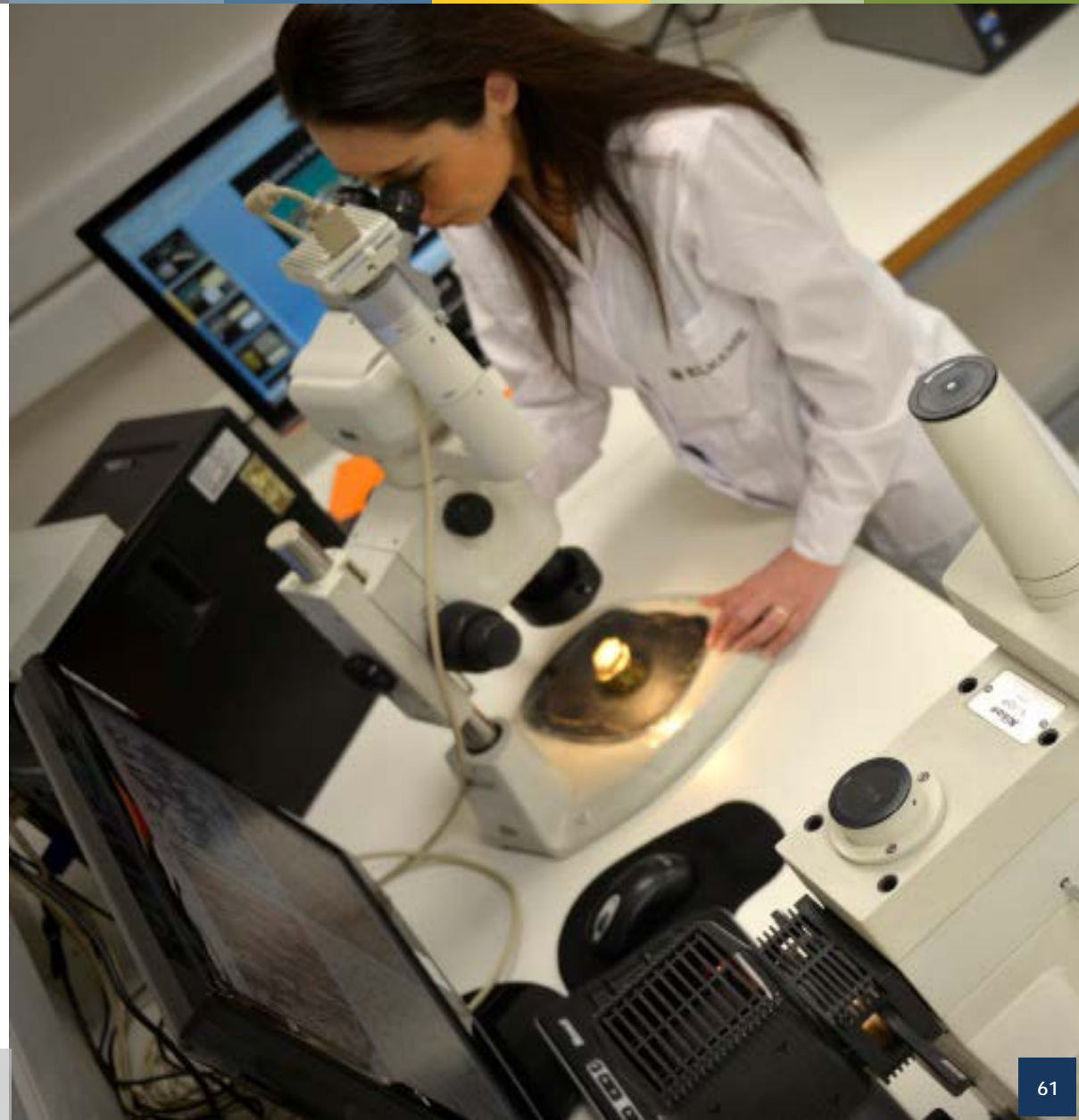
Elkeme's main focus is applied industrial research and the technological development and analysis of four major metals sectors (aluminium, copper, steel and zinc). The Centre provides value added R&D services and technical solutions for new products and the optimization of existing business and plant production processes.

Main departments/laboratories

- Process Metallurgy
- Physical Metallurgy and Forming
- Metallography and Electron Optics
- Mechanical Testing & Manufacturing Technology
- Surface Science and Coatings
- Environmental & Recycling
- Corrosion
- Analytical Chemistry
- Numerical Modeling

Key Activities

- Alloy & process development and optimization
- Industrial trials with scientific monitoring
- Simulation of thermal, casting and forming processes for process optimization
- Microstructure characterization
- Failure analysis
- Studies of surfaces & coatings development and optimization
- Characterization and study of sandwich composite materials
- Chemical, mineralogical and texture analysis
- Environmental and waste management /recycling



TEKAsystems ENGINEERING, CONSTRUCTION & INFORMATICS

Teka Systems S.A. undertakes highly demanding engineering projects in the steel, aluminium, copper, power and telecommunication cables industries. It is active in engineering and construction, the commissioning of industrial equipment and the process and automation of technologies in integrated projects. It also implements IT projects in the fields of ERP, CRM, BI, analytics and others.

Main customers

ABB, Cablel, Cosmote, Deya, Elval, Eydap, Halcor, Infoquest, Iris Printing, Iso Plus, Kathimerini, Lagie, Ote, Pharmathen, Plastika Kritis, Rafarm, Sarantis, Sofia Med, Stomana Industry, Titan Group, Thrace Plastic Group, Vodafone.





VIOHALCO