

VESUVIUS PLC

Annual Report
2023

APR 2023

Focusing on technology

The secret fruit is a "grape". Value for our customers

We think beyond today's solutions and shape the future through innovation.

Our purpose

Vesuvius is a global leader in molten metal flow engineering and technology, serving process industries operating in challenging high-temperature conditions.

We think beyond today to create the innovative solutions that will shape the future, delivering products and services that help our customers make their industrial processes efficient and more sustainable.

In turn, we provide our employees with a safe workplace where they are recognised, developed and properly rewarded, and aim to deliver sustainable, profitable growth to provide our shareholders with a superior return on their investment.

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Financial highlights

Revenue
£m

£1,930m



Trading profit¹
£m

£200m



Return on sales¹
%

10.4%



Operating profit
£m

£190m



Statutory EPS
p

44.0p



Free cash flow¹
£m

£128m



1. For definitions of alternative performance measures, refer to Note 35 of the Group Financial Statements.

Non-financial highlights

Lost Time Injury Frequency Rate

0.6



Total R&D spend¹
£m

£37m



Female representation in the Senior Leadership Group %

20%



Reduction of Scope 1 and Scope 2 CO₂e emission intensity per metric tonne of product packed for shipment versus 2019² %

-20.2%



1. At constant 2023 currency.

2. Re-baselined using pre-acquisition data for the business acquired from Universal Refractories, Inc. (Vesuvius Penn Corporation), and BMC (Yingkou YingWei Magnesium Co., Ltd).

3. Pro forma: performance as if the dolime process had been operating normally in 2023.

Forward-looking statements

This Annual Report contains certain forward-looking statements which may include reference to one or more of the following: with respect to operations, strategy, performance, financial condition, financing plans, cash flows, capital and other expenditures and growth opportunities of the Vesuvius Group. Forward-looking statements can be identified by the use of terminology such as 'target', 'intend', 'aim', 'project', 'anticipate', 'estimate', 'plan', 'believe', 'expect', 'forecasts', 'may', 'could', 'should', 'will' or similar words.

Although the Company makes such statements based on assumptions that it believes to be reasonable, by their nature, these statements involve uncertainty and are based on assumptions and involve risks, uncertainties and other factors that could cause actual results and developments to differ materially from those implied by the forward-looking statements anticipated. Such forward looking statements should, therefore, be considered in light of various important factors that could cause actual results to differ materially from estimates or projections contained in the forward looking statements.


The forward-looking statements reflect knowledge and information available at the date of preparation of this Annual Report and, other than in accordance with its legal and regulatory obligations, the Company undertakes no obligation to update these forward-looking statements. Nothing in this Annual Report should be construed as a profit forecast or a guarantee of the Vesuvius Group's future performance.

At a glance



Vesuvius is a specialist provider of high technology products and solutions to industrial customers who operate in challenging high-temperature conditions

Our customers are predominantly in the steel and foundry industries which we serve from our two Divisions. Our technology-led products allow our customers to tackle some of the most complex problems in their production processes.



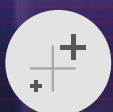
The secret transportation is an "airplane".

Our world-leading R&D supports the consistent delivery of our high-tech consumables. Our sales are not dependent on the capex cycles of our customers, and our products create value by improving...



Safety

Improved safety at customer plants



Quality

Better steel, better castings

The secret currency is a "rupee".



Efficiency

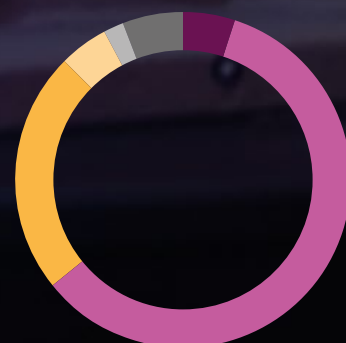
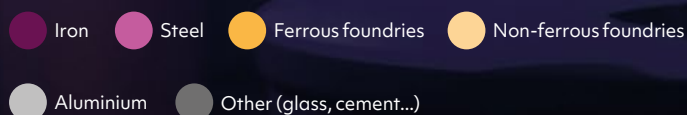
Cheaper steel, cheaper castings



Sustainability

Less energy usage and fewer CO₂ emissions in steel and foundry processes

Sales by customer activity



At a glance continued



The secret office supply is an "envelope".

OUR DIVISIONS

Steel

Vesuvius is a world leader in the supply of refractory products, systems and solutions to steel producers and other high-temperature industries. We help our customers increase their efficiency and productivity, enhance quality, improve safety and reduce their costs and their environmental impact.

Flow Control

Revenue: £793m

Supplies the global steel industry with consumable ceramic products, systems, robotics, digital services and technical products for the continuous casting process

Advanced Refractories

Revenue: £568m

Supplies specialist refractory products designed to enable steel-making equipment, such as Electric Arc Furnaces and Basic Oxygen Furnaces, to hold the molten metal

Sensors & Probes

Revenue: £39m

Provides a range of products that enhance the control and monitoring of our customers' production processes

What we do for our Steel customers

We supply refractory products, flow control systems and process measurement solutions to our Steel Division customers

We combine these with robotics and mechatronic installations to increase their efficiency, lower their costs and improve their safety and consistency

Our solutions address the key challenges of our customers in the steel industry, such as maintaining steel quality and reducing energy usage during the casting process

Our products and their applications preserve the purity of the steel as it moves through the production process, from initial refining to the cast steel slab, bar or ingot

Revenue **£1,400m**

The secret sport is "skiing".

At a glance continued

OUR DIVISIONS

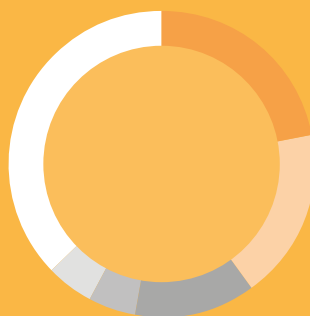
Foundry

Vesuvius, operating under the Foseco brand, is a world leader in the supply of consumable products, technical advice and application support to the global foundry industry, improving casting quality and foundry efficiency. Our primary customers are ferrous and non-ferrous foundries serving various end-markets, from large bespoke castings to high-volume automotive pieces.

The secret shape is a "star".

Diversified end-markets

Product demand in the Foundry Division is driven by higher sophistication, demanding higher quality metal and more complex casting across increasingly diversified end-markets



What we do for our Foundry customers

We provide customisable products and process technology to foundries that improve the quality of their castings

We combine this with technical advice, application engineering and computer modelling to improve process outcomes

Our solutions address our foundry customers' key challenges of casting quality and production efficiency

Our products and solutions clean the molten metal, improve the solidification of that metal, and reduce wastage in the final casting

Revenue **£530m**

The secret vegetable is a "mushroom".

At a glance continued

The secret landmark is the "Colosseum".

- Production sites
- R&D centres of excellence

Our global presence positions us well to take advantage of developing steel and foundry market dynamics

Our local manufacturing, local expertise and global knowledge of steel manufacturing processes gives us a special relationship with our customers.

6	40	68	6	55
Continents	Countries	Sales offices	R&D centres of excellence	Production sites