Imerys

World leader in mineral-based specialties

IMERYS

An introduction to Imerys

A world leader in mineral-based specialties, offering high value-added solutions to many different industries, ranging from process manufacturing to consumer goods.

We succeed through:

- Best-in-class operations, delivering commercial excellence and market-driven innovation
- A strong business model and value proposition
- Unrivalled technological and industrial processes, solutions and leading positions in most of our markets
- Understanding our customers' applications
- Meeting ambitious targets for being a responsible business

IMERYS

Our Executive Committee

Alessandro Dazza
Chief Executive Officer
Joined Imerys: 2020

Guillaume Delacroix
SVP Performance Minerals EMEA
Joined Imerys: 2004

Jim Murberger
SVP Performance Minerals Americas
Joined Imerys: 1996

Cyril Giraud
SVP Performance Minerals APAC
Joined Imerys: 1998

Philippe Bourg
SVP Refractory, Abrasives & Construction
Joined Imerys: 1996

Michel Cornelissen
SVP High Temperature Solutions
Joined Imerys: 1995

Sébastien Rouge
Chief Financial Officer
Joined Imerys: 2020

Olivier Pirotte
Chief Strategy Officer
Joined Imerys: 2015

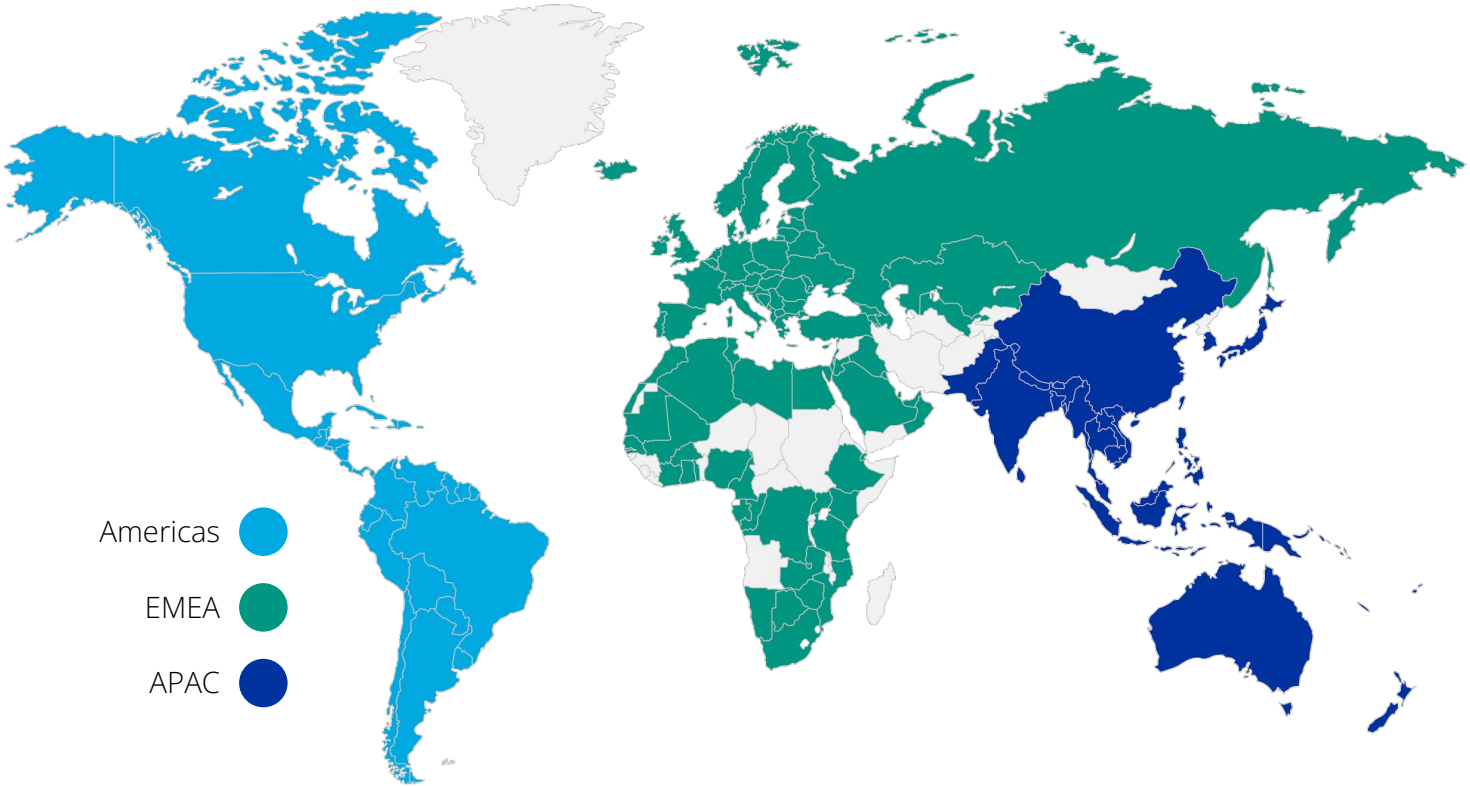
Frédérique Berthier-Raymond
Group General Counsel
Joined Imerys: 2008

Jean-François Claver
Chief Industrial Officer
Joined Imerys: 2015

Vincent Lecerf
Chief Human Resources Officer
Joined Imerys: 2017

IMERYS

Where we operate



IMERYS

Key figures* – At a glance

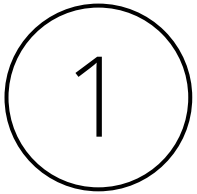
Over 15,000
customers

Sales
In 142 countries

€3.8bn
revenue

16,400
employees

€631m
EBITDA



#1 in 75%
of our businesses

Americas
29% of revenue

EMEA
48% of revenue

APAC
23% of revenue

*(*2020 figures)*

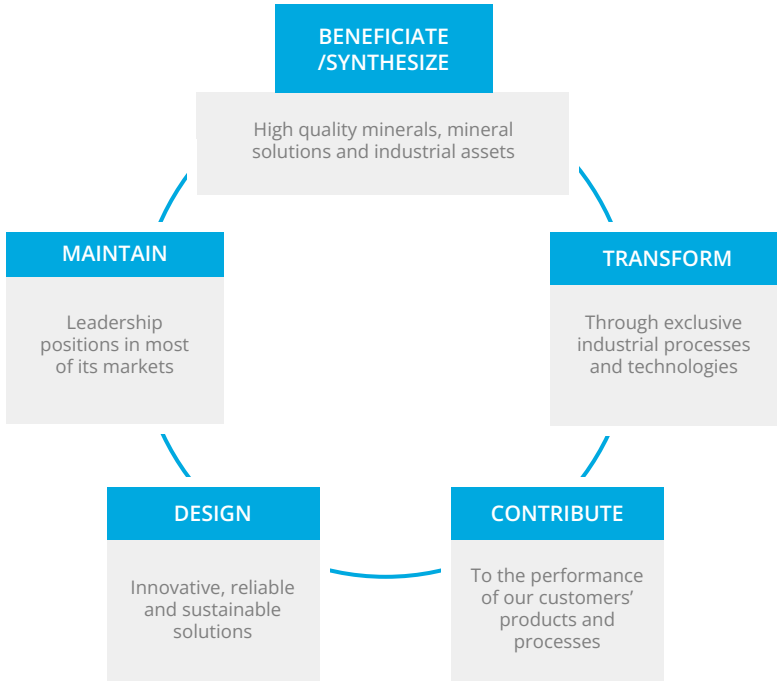
IMERYS

Our business model

The Imerys business model has many strengths:

- Organized around core markets
- Mining resources
- High quality minerals and industrial assets
- Unrivalled technological and industrial processes
- Innovative solutions
- Leading positions in most markets

Contributing to a vast range of products that touch every aspect of life.



What we offer – Solutions for diverse markets

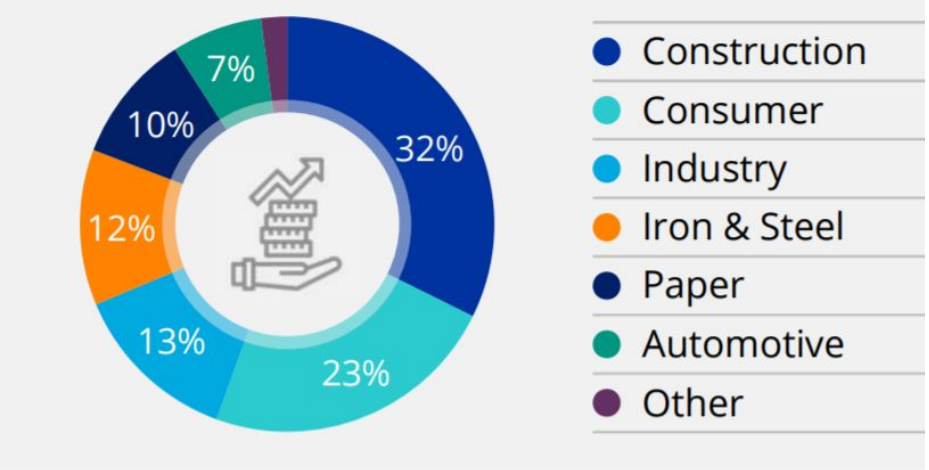
Imerys delivers value-added solutions that are formulated to meet the technical specifications of each customer.

The solutions contribute to the performance of a multitude of products in three categories:

1. **Functional additives:** added to the mineral formulation of customers' products
2. **Mineral components:** essential constituents in the formulation of customers' products
3. **Process enablers:** used in customers' manufacturing processes, but not present in the end product

These serve many industries such as construction materials, mobile energy, steelmaking, agri-food, automotive and cosmetics.

Revenue by end market



Source: Imerys estimates based on 2020 revenue.

IMERYS

What we offer – solutions in two market segments

Within these industries, Imerys' mineral specialties have a very large number of applications in two main areas.

1. PERFORMANCE MINERALS

Functional additives that provide unique properties to our customers.

Plastics, rubber, paints & ACS[1]

Gloss and **opacity** in paints, **conductivity** and **lightweighting** in plastics

Paper & board

Whiteness, opacity, gloss and **pitch control**

Ceramics & Building products

Whiteness and **hardness**

Filtration & life sciences

Purification of liquids, **moisture absorption** and **smoothness**

Mobile energy

Lifespan and **fast charging**

Note: [1] Adhesives, Caulks & Sealants

IMERYS

What we offer – solutions in two market segments

2. HIGH TEMPERATURE MATERIALS AND SOLUTIONS

Processing aids for use in extreme work conditions.

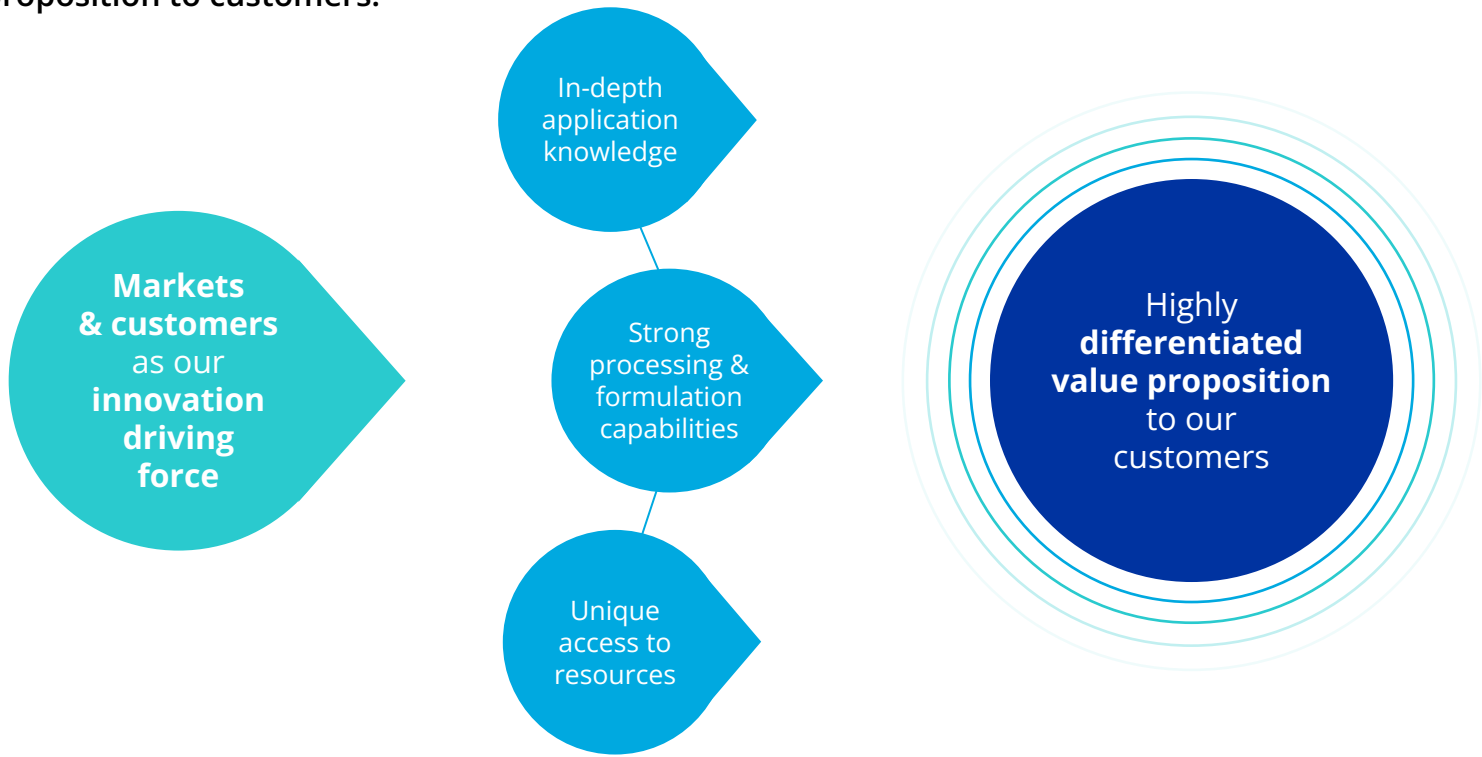
Iron & steel	**Foundry**	**Thermal**	**Refractory producers**	**Abrasives**	**Building & infrastructure**
					
Purity and **flow enhancement**	**Flow enhancement** and **thermal stability**	**Thermal protection** of industrial equipment	**Thermal resistance**	**Thermal** and **mechanical resistance**	**Self levelling** and **quick drying** of floors

IMERYS

How we create value

Imerys offers a distinctive value proposition to our customers based on a set of capabilities.

Our value proposition to customers.



IMERYS

Our commitments – Placing health and safety above all

- For the coming years, the objective is to focus on the further development of our health and safety culture through our new approach "**Safer Together**" and improve the systemic approach to occupational health management
- **Training** is a priority and is delivered through many communications channels
- Regular **campaigns and events** also keep health and safety front of mind
- **Health and Safety Charter**, a framework for continuous improvement, applies to all

200
sites deployed Imerys Industrial Improvement 'I-Cube' Program

1.19
lost-time accidents per million hours worked

2.66
total injury frequency rate

-17%
decrease in the total injury frequency rate from 2019

IMERYS

Our commitments – Meeting our customers' needs

Your trusted mineral partner

We offer high-quality and high-performance products from unique mines and plants.

- A customer-facing portfolio, aligned with markets
- A one-stop shop for mineral solutions

We offer in-depth knowledge of how to apply our products.

- Ensuring safe use and handling
- Information to ensure compliance with regulations
- How to create business opportunities
- Helping manage product and reputational risks
- Innovation based on customer needs

ecovadis
Business Sustainability Ratings

CDP
DISCLOSURE INSIGHT ACTION

Imerys' coordinated actions on climate issues are recognized by the Carbon Disclosure Project with a Level B.

Together with a score of 70/100 from EcoVadis these demonstrate sustainability leadership that support our customers.

Our commitments – Being a responsible company

At Imerys, we fulfill our role in society in a responsible way.

The technical expertise and innovative mindset of our people enable us to extract and transform minerals responsibly and in a sustainable way over the long term.

EMPOWERING our people

Increase women in senior management to 30% by 2022[1]

Safety Connect Day

CARING for our planet

Reduce CO_2 emissions (in tCO_2/€) by 36% by 2030[2]

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

act4nature

UMS PATRIMOINE NATUREL

BUILDING for the future

Assess 40% of portfolio[3] against sustainability criteria by 2022

ecovadis
Business Sustainability Ratings

UN GLOBAL COMPACT
WE SUPPORT

Sustainable Development Challenge

Notes: [1] And fully implement the Group Diversity and Inclusion 3-year program; [2] Target approved by the Science Based Target initiative; [3] By revenue

IMERYS

SustainAgility – Our approach to sustainable development

In 2018, we launched a new sustainability program, SustainAgility, with six pillars structured into three key areas:

- **We empower our people –**
  by making sure our employees and contractors stay healthy and safe, nurturing their talent, and fostering a culture of inclusion
- **We care for our planet –**
  by protecting the environment, using resources efficiently, preserving biodiversity, and acting on climate change
- **We build for the future –**
  by acting fairly and responsibly, ensuring responsible purchasing, working with our communities and promoting sustainable products.

Click here to watch the Imerys SustainAgility video.

SustainAgility is aligned with the United Nations' Sustainable Development Goals (SDGs).

IMERYS

A market-focused organization

Two segments and five business areas

PERFORMANCE MINERALS

PERFORMANCE MINERALS EMEA
(~ €1.0 bn revenue)

PERFORMANCE MINERALS AMERICAS
(~ €0.9 bn revenue)

PERFORMANCE MINERALS APAC
(~ €0.4 bn revenue)

- Plastics, Rubber, Paints & ACS (Adhesives, Caulk & Sealants)
- Ceramics & Building products
- Filtration & Life Sciences
- Paper & Board
- Mobile Energy

HIGH-TEMPERATURE MATERIALS & SOLUTIONS

REFRACTORY ABRASIVES & CONSTRUCTION
(~ €1.1 bn revenue)

- Refractory Producers
- Abrasives
- Building & Infrastructure

HIGH TEMPERATURE SOLUTIONS
(~ €0.6 bn revenue)

- Iron & Steel
- Foundry
- Thermal

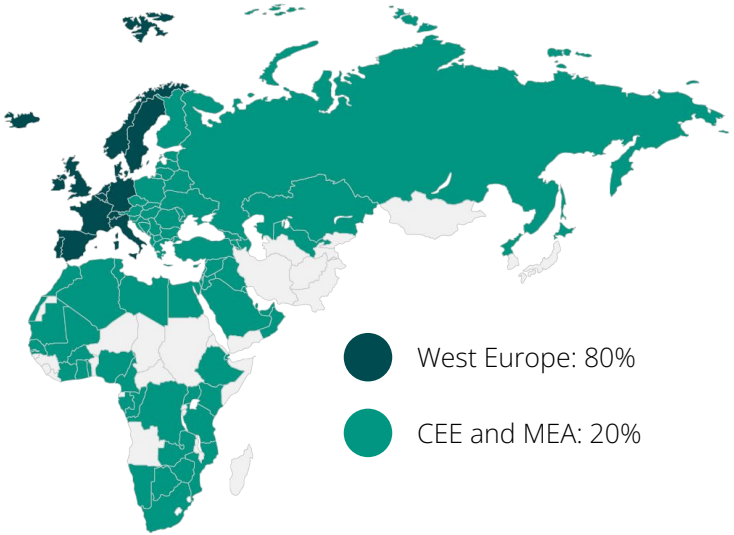
Support Functions

IMERYS

A closer look at Performance Minerals EMEA

BUSINESS AREA FOOTPRINT

~ €1.0 bn revenue in 2020



Plastics, Rubber, Paints & ACS
(~35% of BA revenue)

Ceramics & Building Products *(~20%)*

Paper & Board *(~25%)*

Filtration & Life Sciences *(~20%)*

IN FOCUS: Barrier Coatings

We're leveraging our R&D and Business Development teams to develop innovative recyclable barrier coating solutions for paper and board, bringing performance and sustainability to food packaging

85%

Of Paper & Board packaging material is recycled in Europe

Source: Eurostat (2021)

€214 BN

value of the packaging market by 2023

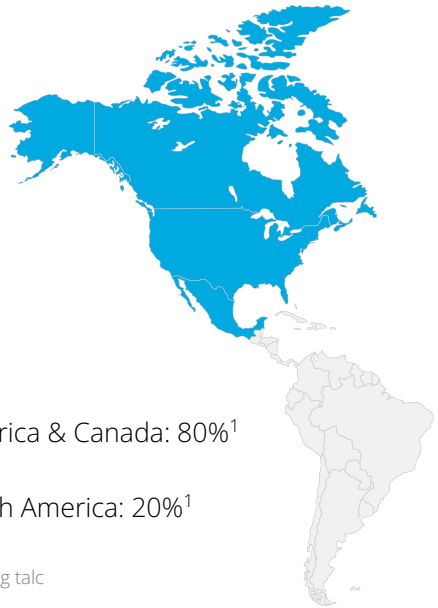
Source: Packagingeurope.com (2019)

IMERYS

A closer look at Performance Minerals Americas

BUSINESS AREA FOOTPRINT

~ €0.9 bn revenue in 2020



America & Canada: 80%[1]

South America: 20%[1]

Note: [1] Excluding talc

Plastics, Rubber, Paints & ACS *(~35% of BA revenue)*

Ceramics & Building Products *(~15%)*

Paper & Board *(~25%)*

Filtration & Life Sciences *(~25%)*

IN FOCUS: FOOD & BEVERAGES

The food & beverage industry is shaped by ever-changing consumer preferences, with increasing importance on natural products, health and wellness.

Working with customers, we develop bespoke natural, mineral-based solutions that help them increase productivity, reduce costs and save time.

#1

Imerys is the largest global producer of minerals for filtration

50%

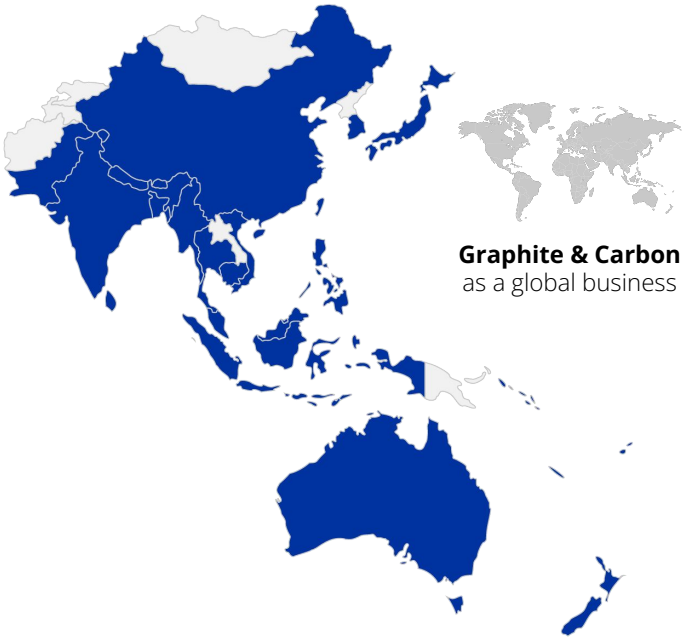
reduction in filter-aid dosing rates in winemaking with ImerVin™

IMERYS

A closer look at Performance Minerals Asia Pacific

BUSINESS AREA FOOTPRINT

~ €0.4 bn revenue in 2020



Graphite & Carbon
as a global business

Plastics, Rubber, Paints & ACS *(~25% of BA revenue)*

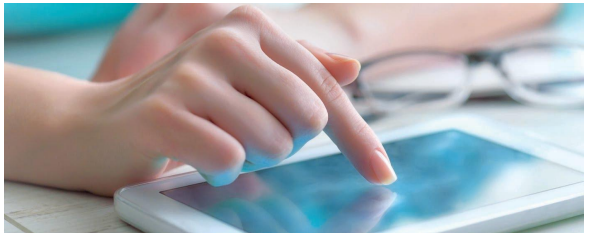
Ceramics & Building products *(~20%)*

Filtration & Life Sciences *(~10%)*

Paper & Board *(~30%)*

Mobile Energy *(~15%)*

IN FOCUS: MOBILE ENERGY



Our graphite and carbon black products are consistently the high-performance conductive additives of choice for lithium-ion batteries, alkaline batteries, advanced lead acid batteries and many more.

We're also pioneering high-tech, high-performance solutions for rechargeable batteries and fuel cells aligned with the ever-increasing popularity of electric vehicles.

#1

world leader in conductive additives for Li-ion batteries

#1

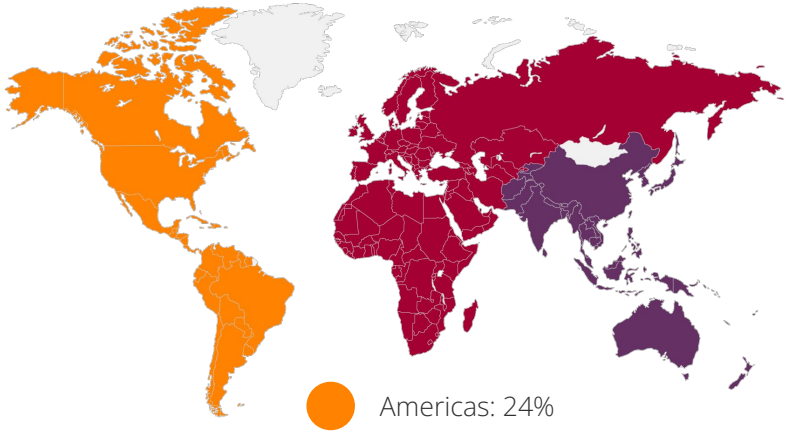
world leader in graphite for alkaline batteries

IMERYS

A closer look at Refractory, Abrasives & Construction

BUSINESS AREA FOOTPRINT

~ €1.1 bn revenue in 2020



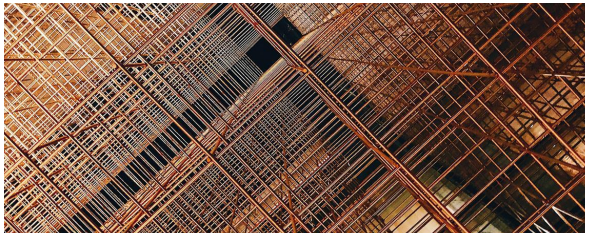
- Americas: 24%
- EMEA: 53%
- APAC: 23%

Refractory Producers
(~49% of BA revenue)

Abrasives
(~22%)

Building & Infrastructure *(~29%)*

IN FOCUS: CONSTRUCTION



Construction companies must now build leaner, smarter and faster to meet ever stricter safety and energy efficiency standards.

Imerys helps meet these challenges with a broad portfolio of mineral solutions for use in solar panels, dry mortars and plasters, adhesives and sealants, ceramic sanitaryware, flooring, paint, tiles and pipes.

66%
of the world population will be living in cities by 2050

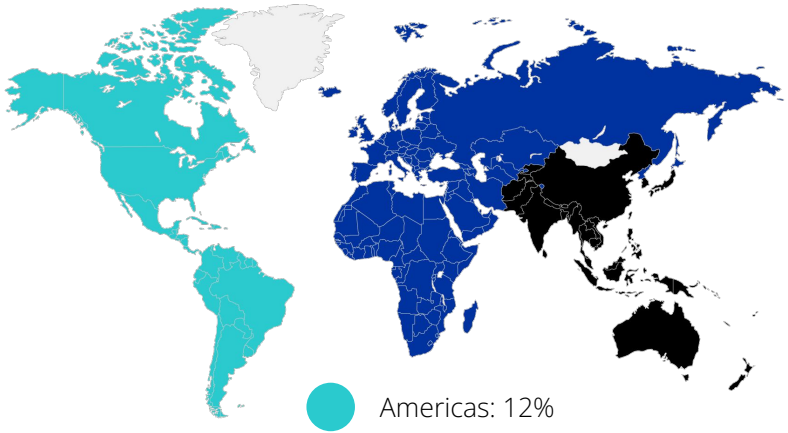
1,71 LBS
CO2 reduction for every ton of cement replaced by ImerFill®

IMERYS

A closer look at High Temperature Solutions

BUSINESS AREA FOOTPRINT

~ €0.6 bn revenue in 2020



- Americas: 12%
- EMEA: 59%
- APAC: 29%

Iron & Steel
(~40%)

Foundry
(~30%)

Thermal
(~30%)

FOCUS: IRON AND STEEL

We enlarge the range of our products and services to anticipate the needs of the steel industry regarding quality and environmental concerns.

Our expertise in refractory, mold and metallurgical fluxes allows us to meet every specific need of our customers, including enhanced steel-cleanliness, cost optimization or safety.

#1

Imerys is the world leader for mold casting flux. the European refractory leader for THC and runners

30+

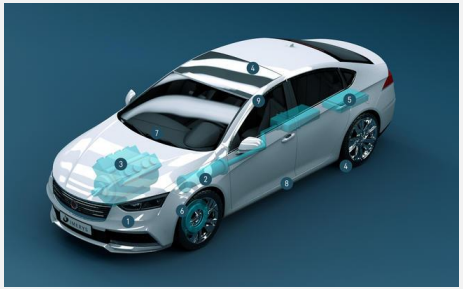
countries with mines and plants serving the iron & steel industry

IMERYS

A spotlight on our innovations

Imerys offers solutions aligned with changing markets as a result of new lifestyles, new economic models, technological progress and changing expectations from stakeholders.

Market	Applications
Electric vehicles	**Lower CO2 emissions** → Increased performance of lithium ion batteries for electric cars
Health & beauty	**Respect of the environment** → Natural mineral solution in body products
Industrial equipment	**Improved resistance of abrasives** → Ultra-fine alumina for high-performance abrasives
Industry	**Energy efficiency** → Additives for cryogenic insulation for liquefied gas storage
Automotive	**Lighter cars** → Performance of automotive plastics
Refractories for high temperature industries	**Thermal and mechanical resistance** → High-purity andalousite
Foundry	**Improvement in molding precision and yield** → Bentonite-based binder



"Weight reduction is one of the key drivers for decreasing CO_2 emissions in cars."

Sonia Achard

RENAULT–NISSAN, UPSTREAM STRATEGY LEADER AND BODY PLASTICS EXPERT

Click to learn more

IMERYS

To learn more

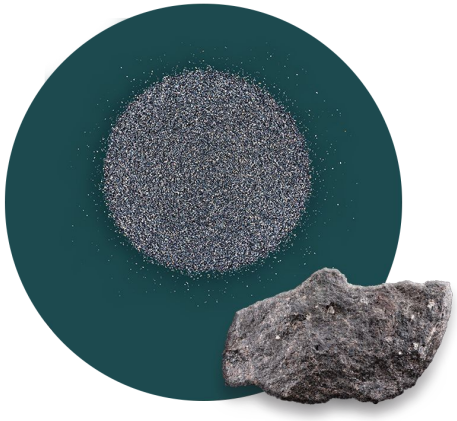
Visit www.imerys.com

Or connect with us:

- **[@imerys](#)**
- **[www.linkedin.com/company/imerys/](#)**
- **[www.facebook.com/imerysgroup/](#)**

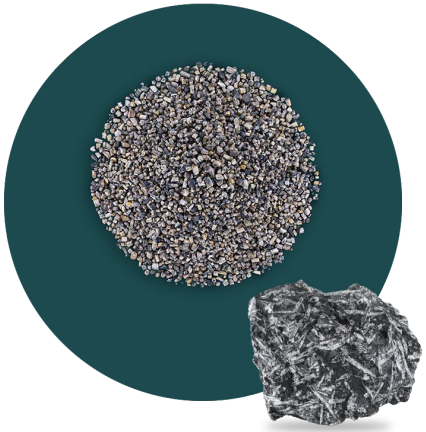
IMERYS

Some of our minerals



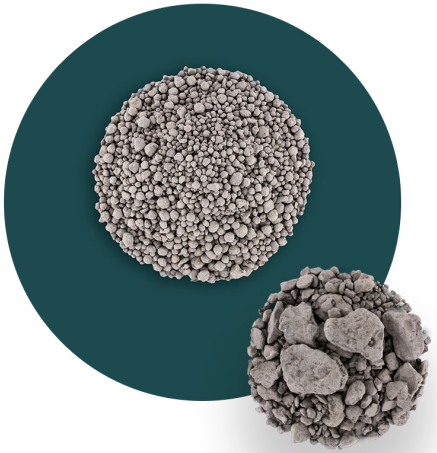
Alumina (fused)

The common name given to aluminum oxide. Produced from bauxite, its an ore that is mined from topsoil in various tropical and subtropical regions.
Corundum is the most common naturally occurring crystalline form of aluminium oxide.



Andalousite

A common metamorphic mineral which forms under low pressure and low to high temperatures.
It is used as a refractory in furnaces, kilns and other industrial processes.
Visit imerys.com to learn more



Ball Clay

Are sedimentary clays that commonly consist of kaolinite, mica and quartz.
They are fine-grained and produce a fine quality white-coloured ceramics when fired.
Deposits are relatively scarce.
Visit imerys.com to learn more

Some of our minerals

Bauxite

Rock with a relatively high aluminium content. It is used for aluminium production (the metallurgical bauxites) and, as is the case for Imerys, for production of refractory materials, chemicals and cements (the non-metallurgical bauxites).

Bentonite

Generated from the alteration in situ of volcanic ash.
It is a highly absorbent, viscous plastic clay which is a valuable binding, sealing, absorbing and lubricating agent in a huge variety of industries and applications, notably animal welfare.
Visit imerys.com to learn more

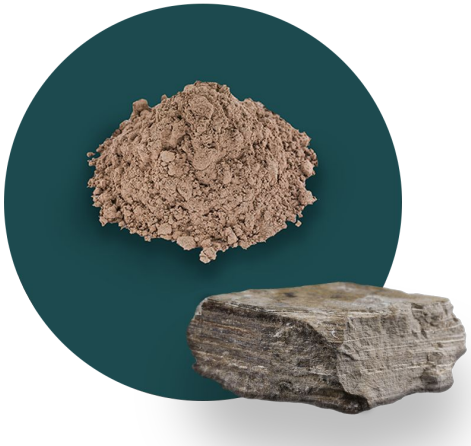
Calcium Carbonates

One of the most abundant minerals on Earth, it can be found in nature in three principal rock types: chalk, limestone and marble.
Its whiteness and opacity are appreciated by many applications from building materials to paper, paint, food and beverages.
Visit imerys.com to learn more

Some of our minerals

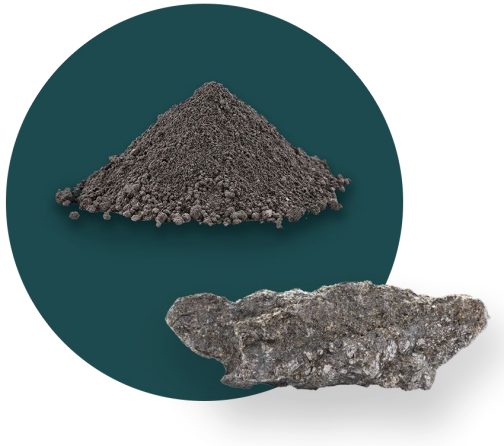
Chamotte

A calcined clay containing a high proportion of silica and alumina.
It is used in ceramics, in particular for sanitaryware and kiln furniture.
Visit imerys.com to learn more



Diatomite

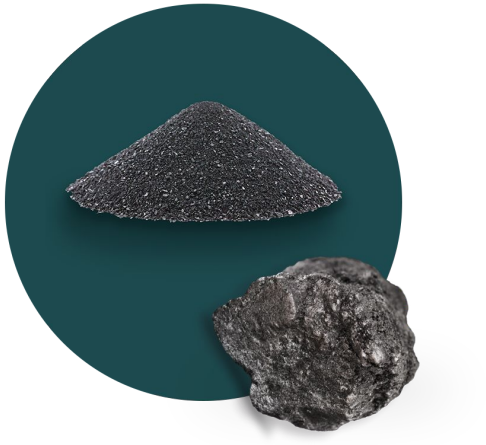
Derived from the remains of microscopic fossilized sea or freshwater plants, diatomite is a naturally occurring, versatile mineral with a elaborate structure of tiny holes.
Used in an array of applications from agriculture and cosmetics to filtration and mechanical insecticides.
Visit imerys.com to learn more



Graphite (natural)

A naturally-occurring form of crystalline carbon.
It has a wide range of uses, notably it is a good conductor of heat and electricity making it useful in electronic products such as electrodes, batteries, and solar panels.
Visit imerys.com to learn more

Some of our minerals



Graphite (synthetic)

A unique material that is highly purified in terms of carbon content.
It is known for its ability to withstand high temperatures and corrosion, making it suitable for highly specialized industries that need predictable results from their carbon inputs.
Visit imerys.com to learn more

Halloysite

A natural form of very white kaolinite. Used in the manufacture of fine tableware as its properties produces ceramic ware with exceptional whiteness and translucency. Large deposits are rare.
Visit imerys.com to learn more

Moler

A unique clay-like form of diatomite typically comprising two-thirds diatom algae shells and one-third smectite clay.
The only true deposits are located on islands off the north-western coast of Denmark.
Used in animal welfare, construction and horticulture.
Visit imerys.com to learn more

IMERYS

Some of our minerals

Molochite

A calcined kaolin for the investment casting, the kiln furniture and general refractories industries.
Free from contamination, it is an ideal filler for foundry coatings in iron, steel and aluminum castings.
Visit imerys.com to learn more

Perlite

Derived from volcanic rock, perlite is a natural, lightweight, inert and fireproof mineral making it a mineral of choice for a wide variety of end uses from cosmetics, to horticulture and construction.
Visit imerys.com to learn more

Quartz

The second most abundant mineral in the planet's crust, after the feldspar.
High purity quartz is an ideal material for manufacturing the crucibles used in the casting of silicon for photovoltaic cells that make up solar panels and electronic components.
Visit imerys.com to learn more

IMERYS

Some of our minerals

Talc

A clay mineral, composed of hydrated magnesium silicate. It is the softest mineral on earth.
Used in a wide variety of applications from agriculture to ceramics, plastics, rubber and construction.
Visit imerys.com to learn more

Wollastonite

A naturally occurring mineral that can withstand temperatures up to 1540°C.
Other properties that make it useful include high brightness and whiteness, low moisture and oil absorption.
Often used in ceramics, metallurgical processing, paints and plastics.
Visit imerys.com to learn more

Zirconia (fused)

Produced from zircon sand, which is one of the minerals found in heavy mineral sand sedimentary deposits.
In order to produce fused zirconia, zircon sand is reduced and fused in an electric arc furnace.
Used in a wide variety of applications such as refractories, advanced ceramics, electronics, brake pads, investment casting, catalysts and catalytic converters.
Visit imerys.com to learn more

IMERYS

Some of our minerals

Kaolin

Created from alteration in granite and commonly called ‘china clay’. Used for millennia as the principal ingredient in porcelain tableware. It provides critical properties to many applications ranging from paper to paints, to cosmetics and pharmaceuticals.
Visit imerys.com to learn more

Mica

The mica group of minerals are sheet silicate (phyllosilicate) minerals that are light, soft and flexible.
Mica is heat-resistant and does not conduct electricity. Used in the construction and electrical industries, as well as in paints and personal care.
Visit imerys.com to learn more

Pegmatite

Composed of several minerals usually feldspar, quartz and mica, giving a natural fluxing capability useful for the strengthening and durability of ceramics.
Low coloring oxides means it is especially suitable for white ceramic tableware.

Feldspar

The name given to a group of naturally occurring alumino-silicate minerals that are by far the most abundant group of minerals in the Earth’s crust, making up about 50% of all rocks.
Mainly used in glassmaking and ceramics.
Visit imerys.com to learn more

IMERYS