



# IMERYS GRAPHITE & CARBON COMPANY PROFILE

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## IMERYS GRAPHITE & CARBON – A STRONG, INNOVATIVE COMPANY.



With production sites in Europe, Canada and Japan and sales offices in Europe, America and throughout Asia we can ensure security of supply and an optimal customer experience.

## DEEP ROOTS FOR STRONG DEVELOPMENT

Imerys Graphite & Carbon has operated in the graphite transformation industry for more than a century.

The first production plant was founded in 1908 in Bodio, Switzerland and since then the company's development has never stopped.

Imerys Graphite & Carbon is part of Imerys Group, the world leader in mineral solutions manufacturing for industry. This gives strength to Imerys Graphite & Carbon's potential and international presence that today includes production sites in Canada, Belgium, Switzerland and Japan. In addition we have innovation centers in France, Switzerland and Japan and several commercial offices located in the most strategic international areas: Americas, Europe and APAC.



### TERREBONNE, CANADA

Exfoliation of natural graphite, processing of natural and synthetic graphite.



### WILLEBROEK, BELGIUM

Manufacturing and processing of conductive carbon black.



### BODIO, SWITZERLAND

Graphitization and processing of synthetic graphite, manufacturing of water-based dispersions, processing of natural graphite and coke, and manufacturing and processing of silicon carbide.



### KITAKYUSHU, JAPAN

Chemical Vapor Deposition (CVD) Carbon coating.

## CLEAR VALUES GUIDE OUR BEHAVIOURS

### CUSTOMER CENTRICITY

For Imerys Graphite & Carbon there is no success without customer satisfaction.

The first step towards this goal is to forge strong partnerships with our customers.

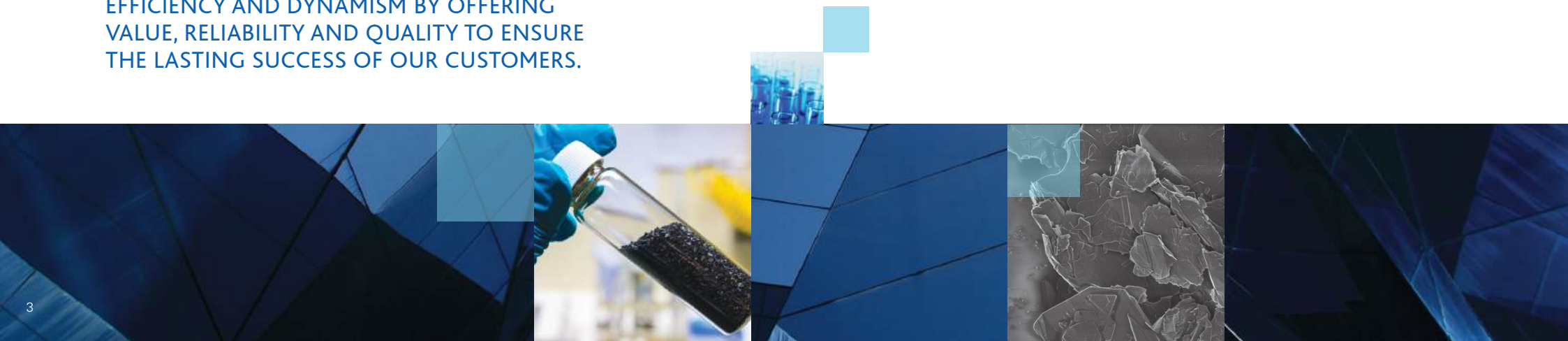
Our teams of Science & Technology and application experts work hand-in-hand with our customers to fully understand their needs and provide them with customized solutions.

At the same time, dedicated local teams are able to provide the highest level of customer service.



## MISSION

TO PROMOTE OUR ECONOMIC, SOCIAL AND CULTURAL ADVANCEMENT WITH ENTHUSIASM, EFFICIENCY AND DYNAMISM BY OFFERING VALUE, RELIABILITY AND QUALITY TO ENSURE THE LASTING SUCCESS OF OUR CUSTOMERS.



## QUALITY

Quality is a serious matter for Imerys Graphite & Carbon. Adhering to a philosophy of total quality management and continuous process improvement, all Imerys Graphite & Carbon manufacturing plants comply with ISO 9001:2015.

Our quality control systems are designed to improve efficiency and ensure customer satisfaction. Our products are manufactured under stringent process control conditions, from the raw material stage through to the end product.

What we offer is a complete range of products with security of supply, integrated with our innovative technologies and the continuous monitoring of all process parameters.

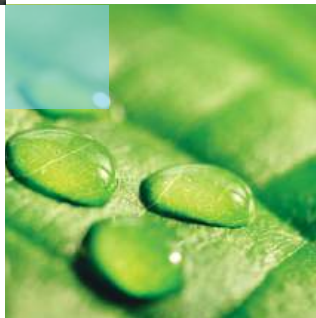
## INNOVATION

Innovations to power everyday life is our aspirational vision. Innovation is an integral part of Imerys Graphite & Carbon's strategy and a key element of the company's internal growth. Imerys Graphite & Carbon invests significant resources in R&D to develop solutions tailored to each customer, to meet their expectations and anticipate their needs. Technical and scientific knowledge, an excellent understanding of the markets of reference and the capability to foresee opportunities make Imerys Graphite & Carbon a leader in the field.



## SAFETY

Safety is a core value at Imerys Graphite & Carbon. Our commitment to safety drives all our decisions from what product to develop to the definition of our operational procedures. Not only does this commitment ensure our employees arrive home safely every day, it allows us to offer security of supply to our customers.



## SUSTAINABLE GROWTH AND RESPONSIBLE LEADERSHIP

Imerys Graphite & Carbon is committed to Imerys' Corporate Social Responsibility Charter, where high standards in terms of social and environmental behaviour are essential in the management of its activities.

Imerys Graphite & Carbon recognizes its role and responsibility as a corporate citizen, and as such is concerned with the protection of the environment for present and future generations. We make significant investments to mitigate our carbon footprint and environmental impact.



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IMERYS GRAPHITE & CARBON RECOGNIZES ITS ROLE AND RESPONSIBILITY AS A CORPORATE CITIZEN, AND AS SUCH IS CONCERNED WITH THE PROTECTION OF THE ENVIRONMENT FOR PRESENT AND FUTURE GENERATIONS.

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## SOLUTIONS FOR EVERYDAY LIFE

### THE KEY MARKETS IMERYS GRAPHITE & CARBON SERVE INCLUDE:

- ✓ Lithium-ion Batteries
- ✓ Fuel Cells
- ✓ Alkaline Batteries
- ✓ Lead Acid Batteries
- ✓ Thermally Conductive Polymers
- ✓ Electrically Conductive Polymers
- ✓ Powder Metallurgy, Friction Materials & Carbon Brushes

### IMERYS GRAPHITE & CARBON IS THE UNIQUE MARKET LEADER THAT PROVIDES:

- ✓ Natural graphite
- ✓ Primary synthetic graphite
- ✓ Conductive carbon black
- ✓ Silicon carbide
- ✓ Petroleum coke

Together with its premium range of products, Imerys Graphite & Carbon offers a **chemical vapour deposition (CVD)** coating service. This unique one-of-a-kind technology is applicable to various substrates (carbon and non-carbon based), resulting in improved performance.



## OUR BRANDS

### C-ENERGY™

Primary synthetic graphite powders and conductive carbon blacks and chemical vapour deposition (CVD) coated carbons.

Designed especially for the lithium-ion battery and fuel cell markets, this is a complete range of specialized conductive additives for the positive and negative anodes as well as components of fuel cells. Our proprietary production processes allow us to fine tune grades to meet the unique requirements of our customers.

It also includes a range of CVD coated carbon materials for the active mass of the negative anode of lithium-ion batteries as well as conductive additives for the active mass to improve charge rate, especially at low temperatures.

### TIMREX®

Primary synthetic graphites, natural graphites, high aspect ratio graphites, calcined petroleum cokes and carbon based dispersions.

A diverse range of specialty carbon based materials which includes solutions for all the key markets we serve.

Our high purity synthetic graphite is produced using a proprietary method allowing for precise control of particle sizes and morphologies according to our customers' needs.

We source graphite from mines around the world. Further processing is done at our plants resulting in high-tech specialty carbon additives.

Our calcined petroleum cokes offer low ash and sulphur content with a well defined texture and consistent particle size distribution.

Finally, our aqueous carbon powder dispersions are tailor made for specific applications providing solutions for electrically conductive coatings, release agents and corrosion protection.



## ENSACO®

### Conductive carbon blacks

These highly structured and high-purity carbon blacks are ideal for the manufacture of electrically conductive plastic and rubber compounds. Produced with a specific granulation process which results in a consistent and homogenous product ensuring outstanding dispersibility.

## SUPER P LI®

SUPER P-Li® is a conductive carbon black developed specifically for the lithium-ion market, this is still a favourite among many of our customers.



## TIMROC®

### Silicon carbide

A highly stable material that is very hard and abrasive while presenting excellent thermal shock resistance. It is produced synthetically in Switzerland and is available in a variety of particle size distributions. It is ideal for use in abrasive materials, refractories, metallurgy and slip-resistant floorings.



## OUR SERVICES

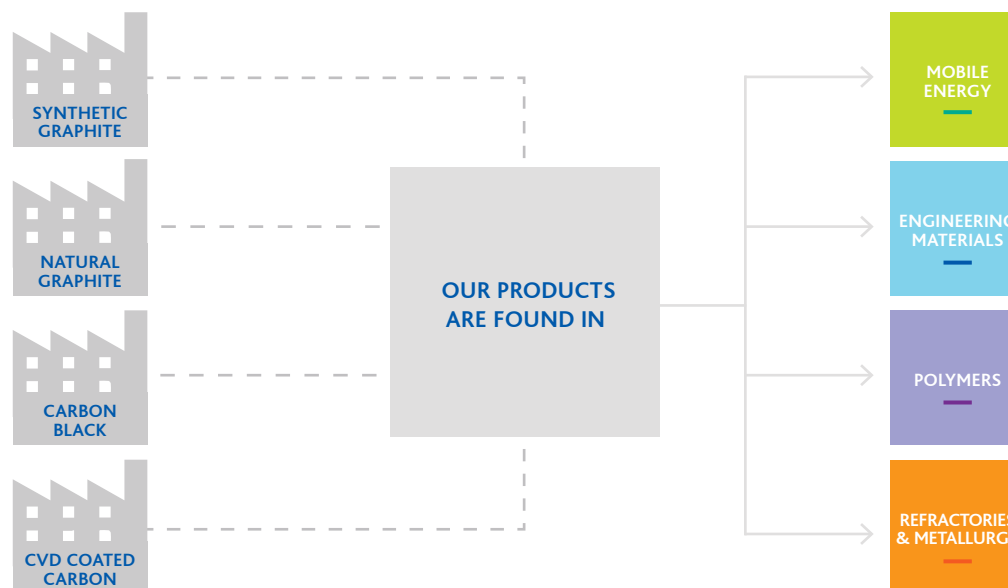
### CVD COATING

We offer a custom CVD coating service for any substrate (carbon or non-carbon).

## OUR MARKETS

### OUR COMMITMENT

Imerys Graphite & Carbon is committed to producing and marketing highly specialized, environmentally friendly carbon-based materials for a variety of industrial fields such as Mobile Energy, Engineering Materials, Polymers and Refractories & Metallurgy.



## OUR PORTFOLIO

### SOLUTIONS EXPERTS

The table summarizes our current product portfolio for different markets.

Imerys Graphite & Carbon is dedicated to the development of specialty carbons to provide the following solutions:

- ✓ Electrical conductivity
- ✓ Thermal conductivity
- ✓ Lubrication
- ✓ Carbon source
- ✓ CVD coating of a substrate

If you don't see your market or application listed contact us.

[inquiries\\_gc@imerys.com](mailto:inquiries_gc@imerys.com)

	LITHIUM-ION BATTERIES	ALKALINE BATTERIES	FUEL CELLS	POLYMERS	FRICTION MATERIALS	CARBON BRUSHES	POWDER METALLURGY & HARD METALS	REFRACTORIES & METALLURGY
<b>TIMREX®</b> Graphite	•	•	•	•	•	•	•	•
<b>TIMREX®</b> Coke				•	•			
<b>TIMREX®</b> Dispersions	•	•	•	•				
<b>C-ENERGY™</b> Carbon Black	•		•					
<b>C-ENERGY™</b> Graphite	•							
<b>QX QUICK CHARGE</b> CVD Coated Carbon	•							
<b>SUPER P Li®</b> Carbon Black	•							
<b>ENSACO®</b> Carbon Black			•	•			•	
<b>TIMROC®</b> Silicon Carbide								•

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#### EUROPE, AFRICA, MIDDLE EAST, INDIA

Imerys Graphite & Carbon Switzerland Ltd.  
"Il Centro" Via Cantonale 65, CH-6804  
Bironico SWITZERLAND  
Tel: +41 91 873 20 10 Fax: +41 91 873 20 19  
[sales\\_gc.emeia@imerys.com](mailto:sales_gc.emeia@imerys.com)

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#### AMERICAS

Imerys Graphite & Carbon Canada Inc.  
990 Rue Fernand-Poitras, Terrebonne  
QC, J6Y 1V1 CANADA  
Tel: +1 450 622 91 91 Fax: +1 450 622 86 92  
[sales\\_gc.america@imerys.com](mailto:sales_gc.america@imerys.com)

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#### CHINA

Imerys Graphite & Carbon  
1438 Hong Qiao Road, Chang Ning District 6F  
Gubei International Fortune Centre II  
CN-201103 Shanghai CHINA  
Tel: + 86 21 2223 0136 Fax: + 86 21 2223 0199  
[sales\\_gc.cn@imerys.com](mailto:sales_gc.cn@imerys.com)

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#### KOREA & SOUTH EAST ASIA

Imerys Graphite & Carbon South Korea  
3F, Keumseong Building, 314, Teheran-Ro  
Gangnam-Gu, KR-06211, Seoul KOREA  
Tel: +82 234 88 30 30 Fax: +82 234 74 45 82  
[sales\\_gc.kr@imerys.com](mailto:sales_gc.kr@imerys.com)

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#### JAPAN & TAIWAN

Imerys Graphite & Carbon Japan K.K.  
Shinagawa Seaside South Tower  
11F, 4-12-1, Higashi Shinagawa  
Shinagawa-ku, Tokyo 140-0002 JAPAN  
Tel: +81 3 4570 5410  
[sales\\_gc.apac@imerys.com](mailto:sales_gc.apac@imerys.com)

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