

# Imerys solutions for Sustainable Building

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SFAF Presentation - December 2, 2020

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More comprehensive information about Imerys may be obtained on its website ([www.imerys.com](http://www.imerys.com)), under Regulated Information, including its Universal Registration Document filed under No. D.20-0165 March 24, 2020 with Autorité des Marchés Financiers. Imerys draws the attention of investors to the “Risk factors and Internal control” set forth in the Universal Registration Document.

This document contains projections and other forward-looking statements. Investors are cautioned that such projections and forward-looking statements are subject to various risks and uncertainties (many of which are difficult to predict and generally beyond the control of Imerys) that could cause actual results and developments to differ materially from those expressed or implied.

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**General  
overview**



**SustainAgility,  
our CSR program**



**Imerys and the  
EU Green Deal**



# General overview

# Imerys, a global player...

1

#1 in 75%  
of our businesses



Over 15,000  
customers



Sales  
In 142 countries



€4.4bn  
revenue



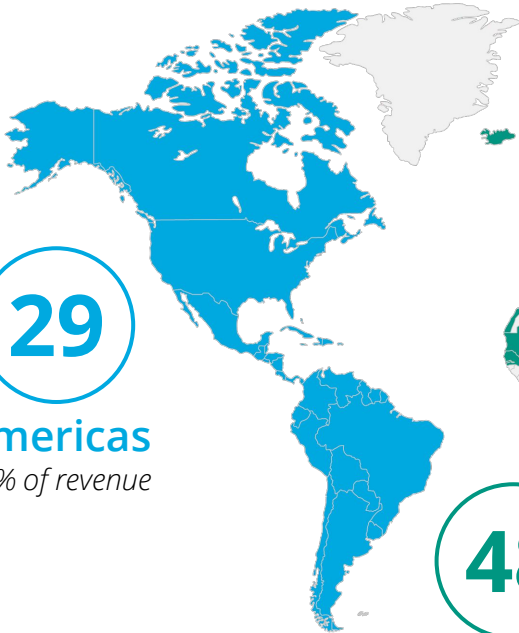
16,300  
employees



€765m  
Current EBITDA

29

Americas  
29% of revenue



48

EMEA  
48% of revenue



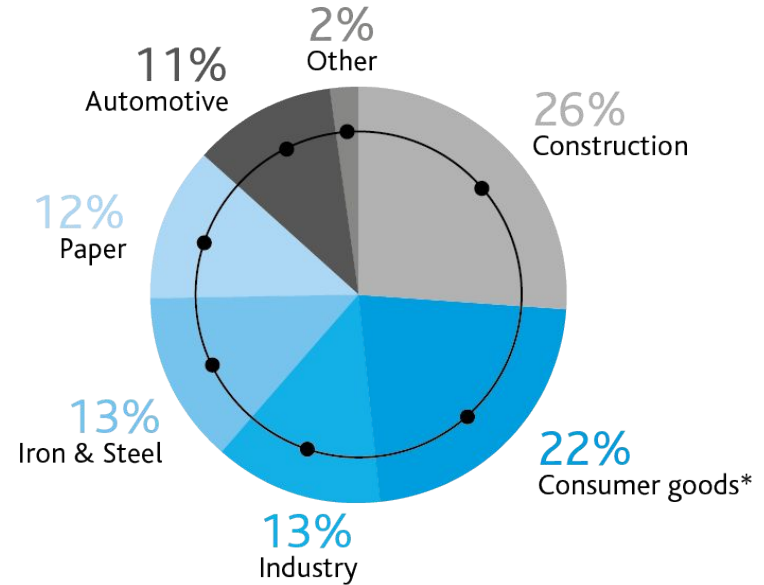
23

APAC  
23% of revenue



## ...which offers value-added solutions for diverse markets

- **Imerys delivers value-added solutions that are formulated to meet the technical specifications of each customer.**
  - Beneficiated mineral resources (clay, bentonite, diatomite, feldspar, kaolin, mica, etc.)
  - Formulations (ceramic bodies, continuous casting fluxes for steel, monolithic refractories, etc.)
  - Synthetic minerals (synthetic graphite, zirconia, etc.)
- **From high quality assets:**
  - Unique portfolio of mineral resources
  - Wide range of exclusive technologies and processes
  - Materials science expertise
  - Know how and customers' application knowledge



\* Including food & beverages and health & cosmetics  
Source: Imerys estimates

# ...that contribute essential properties and perf. to its customers' products

Whiteness and toughness of  
sanitaryware, floor and wall  
tiles



**World leader** in ceramic  
pastes for sanitaryware

Lifespan and fast charging  
of electric vehicle li-ion  
batteries



**World leader** in conducting  
additives (graphite, carbon  
black) for mobile energy

Gloss and opacity  
for paint



**World leader** in wollastonite  
and talc for paint

Thermal and mechanical  
resistance of abrasives



**World leader** in fused  
minerals  
for abrasives

Resistance and lightness  
of automotive plastic parts



**World leader** in talc-based  
performance additives for  
plastics

Purity and quality  
of steel



**World leader** in continuous  
casting fluxes  
for steel production

Self levelling and quick drying  
of floors



**World leader** in calcium  
aluminate-based performance  
binders for construction

Filtration of liquids  
*(food or blood plasma)*



**World leader** in perlite and  
diatomite  
for filtration



**SustainAgility, our CSR program**

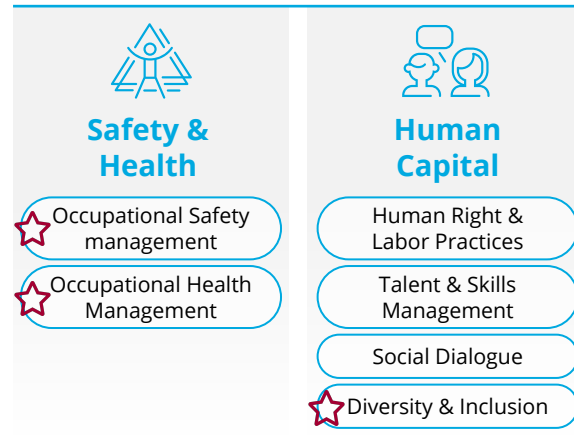


# SustainAgility CSR program structured around 6 pillars

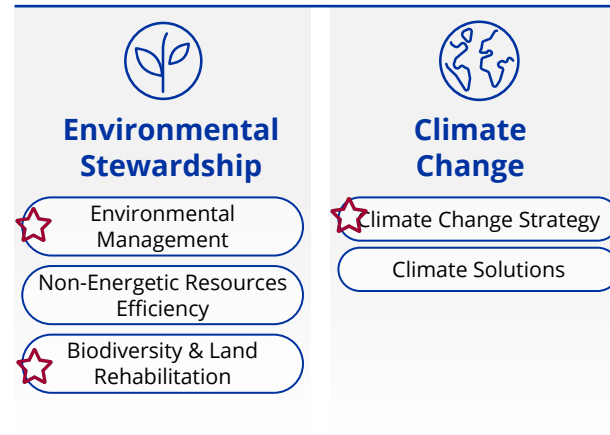
Each of these pillars brings together a number of distinct themes that are the foundation for **concrete initiatives** with measurable results

**Priority themes** have been identified through the Group Materiality Assessment and are the focus of 2020 mid-term objectives

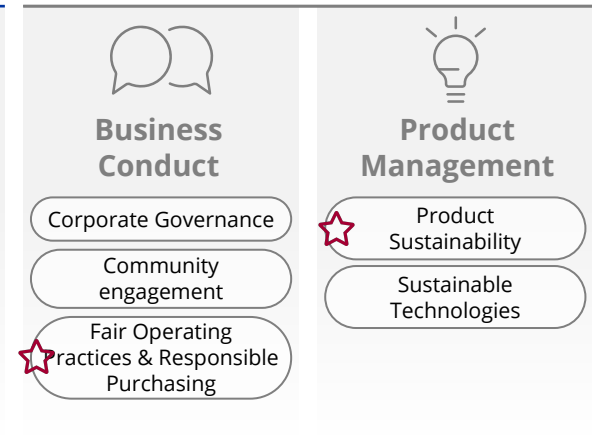
## EMPOWERING our people



## CARING for our planet



## BUILDING for the future



# Main CSR objectives and achievements

## EMPOWERING our people



**Increase women in senior management to 30% by 2022 <sup>(1)</sup>**

- Strong focus on occupational health & safety: 2.66 Total Injury Frequency Rate<sup>(4)</sup>
- Launch of diversity and inclusion 3-year program: 21% of women in senior management today to be increased to 30%

## CARING for our planet



**Reduce CO<sub>2</sub> emissions (in tCO<sub>2</sub>/€) by 36% by 2030<sup>(2)</sup>**

- Introduction of internal carbon price for capex decisions
- Launch of low-carbon electricity purchasing strategy
- Act4nature engagement renewed for 2020 - 2024, as part of our commitment to biodiversity

## BUILDING for the future



**Assess 40% of portfolio<sup>(3)</sup> against sustainability criteria by 2022**

- Achieved EcoVadis Platinum rating
- Launch of the Ecovadis Supplier CSR assessment: 100 strategic suppliers involved in Phase 1
- 24 new Life Cycle Assessments of Group's products completed to date in 2020 (16 additional in progress)

## Climate action - Imerys contributing to a climate neutral continent

- Reduce Group CO<sub>2</sub> emissions relative to revenue (in tCO<sub>2</sub>/€) by 36% by 2030<sup>(2)</sup>
- Engage 71% of suppliers by spend to have science based targets by 2023
- In 2019 the Group's targets were approved by the SBTi
- Between 2018 and 2019, the annual total Scope 1 and Scope 2 CO<sub>2</sub> emissions decreased by approximately 524 kt
- For 2019, the Group Scope 1 and 2 CO<sub>2</sub> emissions equalled 665 tCO<sub>2</sub>e per million euros of revenue, which represents an 11% decrease since 2018

(1) And fully implement the Group Diversity and Inclusion 3-year program

(2) Target approved by the Science Based Target initiative

(3) By revenue

(4) Rolling 12-month Total Injury Frequency Rate combined employees and contractors as of Sept 30, 2020



DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

SCIENCE  
BASED  
TARGETS

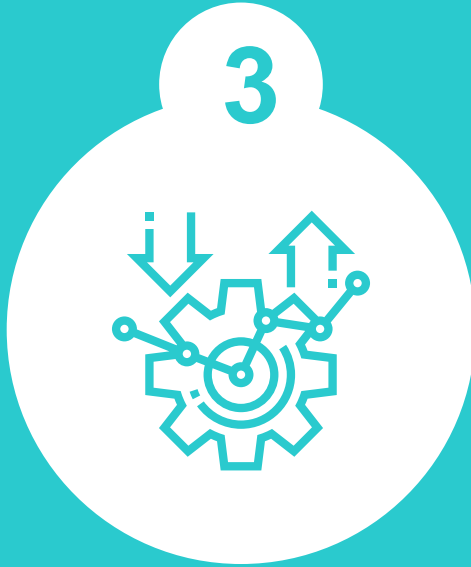
act4nature



WE SUPPORT



IMERYS



# Imerys and the EU Green Deal for sustainable building

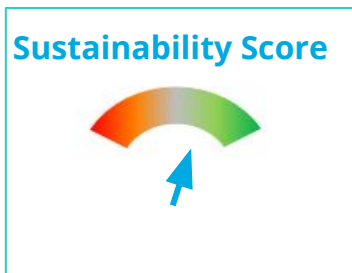
# Driving sustainable innovation through a systematic process

Innovation, structured globally around its markets, to help Imerys maintain its leadership position and respond effectively to the major technological challenges facing manufacturing companies going forward

Imerys has developed a program based on the guidelines defined by the WBCSD<sup>1</sup> in the [PSA framework](#), to screen its existing and innovation portfolio against environmental and social criteria. This helps ensure alignment with sustainability drivers, including the EU Green Deal.



## A 5-step systematic and scientific process, based on LCA methodology<sup>2</sup>



1. World Business Council For Sustainable Development, 2. Life Cycle Assessment, ISO 14040 – 14044

# The European Green Deal for sustainable building

Increasing the EU's Climate ambition for 2030 and 2050

Supplying clean, affordable and secure energy

**Mobilising industry for a clean and circular economy**

**Building and renovating in an energy and resource efficient way**



**A zero pollution ambition for a toxic-free environment**

Preserving and restoring ecosystems and biodiversity

From 'Farm to Forks': a fair, healthy and environmentally friendly food system

Accelerating the shift to sustainable and smart mobility

# EU Green Deal: Zero-pollution ambition for a toxic-free environment

## Imerys' ambition

To help prevent pollution risks in Building Materials components

### TiO<sub>2</sub> substitutes in Paint with low carbon footprint

- Titanium dioxide (TiO<sub>2</sub>), which provides opacity in paints, is one of the most important – but also one of the most expensive – materials used in paint formulations.
- Imerys carbonate, kaolin and talc already allow paint manufacturers to use less TiO<sub>2</sub> by up to 25%, while reducing their costs for the same opacity performance without altering the paint's other properties.
- To go to next level of sustainable coatings, some paints producers have developed TiO<sub>2</sub>, biocide and/or Volatile Organic Compounds (VOC) free formulations. Imerys has started to commercialize optimized mineral solutions for **low and zero-TiO<sub>2</sub> paints or biocide free-coatings** (silicate paints) with a **low carbon footprint**.

### Existing product



**-25%**

TiO<sub>2</sub> utilization  
thanks to minerals  
In paint

# EU Green Deal: Zero-pollution ambition for a toxic-free environment

## Imerys' ambition

To help prevent pollution risks in Building Materials components

### Lightweight foamed material (insulation, fire-resistant, no VOC)

- Mineral insulating foam is an emerging insulation technology progressing rapidly both in individual and collective housing. Such solution is eligible to French government subsidies "combles à 1 euro dans le cadre du dispositif des Certificats d'Economie d'Energie (CEE)".
- Replacing organic insulation:
  - It provides high fire resistance A1
  - It is easy to transport and install
  - **It does not contain Volatile Organic Compounds (VOC)**
- Imerys' mineral solutions notably reinforce the stability to the foam, **improving the insulating performance** as well as the ease of application

### Under Development



# EU Green Deal: Building and renovating in an energy & resource efficient way

## Imerys' ambition

To increase energy and resource efficiency in Building Material

### Lightweight large ceramic tiles (slabs) with new mineral Formulations

- Large format ceramic pieces (slabs) are growing quickly for countertops, facades and flooring, in many cases substituting natural stone or resin based composites
  - Consumers want quality and durability without compromising beauty
  - Soul of natural stone but without the hassle of sealing it
  - Produced locally, less long-range transportation
  - Down to few millimeters in thickness
- Imerys formulations and products are specifically dedicated for lightweight large slabs
  - to sustain stress related to its large size
  - to lightweight and reduce material usage (makes installation easier)
  - to use **less firing energy during manufacture (-15%)**
- Imerys is actively developing new formulated solutions to make slabs even lighter and/or **include waste construction materials**

### Existing product



**-15%**

Firing energy during manufacturing



# EU Green Deal: Building and renovating in an energy & resource efficient way

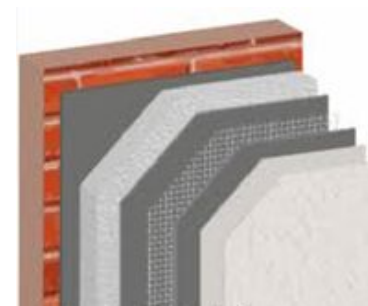
## Imerys' ambition

To increase energy and resource efficiency in Building Material

### Minerals for ETICS (External Thermal Insulation Composite System)

- ETICS is an external building insulation technique based on a cladding system that provides exterior walls with an insulated finished surface
- In such “ready to use” systems, Imerys provide various mineral solutions for:
  - **15% lightweight renders**, meaning:
    - more comfort for the end-user (less weight to handle and easier to apply products)
    - lower environmental emission in their transportation
  - Pinholes and crack reduction of the finishing rendering topcoat, hence the resistance to water, better durability of the cladding and aesthetics.
  - Lower thermal conductivity (**better insulation properties**)
  - Maintain fire resistance with mineral addition

### Under Development



**15%**

Lightweight renders

# EU Green Deal: Building and renovating in an energy & resource efficient way

## Imerys' ambition

To increase energy and resource efficiency in Building Material

### 30-50 year protection with Imerys calcium aluminate mortar

- Imerys calcium aluminate based mortar is designed to protect sewer systems against biogenic corrosion, that cause damage and potential for serious collapse.
- Compared to Epoxy liners calling for repeated costly rehabilitation, Imerys solution offers **an extended service life up to 50 years** to be compared with 6 years with traditional epoxy and as a consequence:
  - Less consumption of raw materials reducing the utility owners CO<sub>2</sub> footprint
  - Reduced labor and trucking needs reducing the utility owners CO<sub>2</sub> footprint
  - Reduced asset down time increasing productivity and lowering the risk for untreated water to be released into the environment
- Imerys mineral composition **does not release any harmful solvent** preventing worker exposure to toxic components.

### Existing product



## 50 years

Extended service life  
of liners in sewer  
systems

# EU Green Deal: Mobilising industry for a clean and circular economy

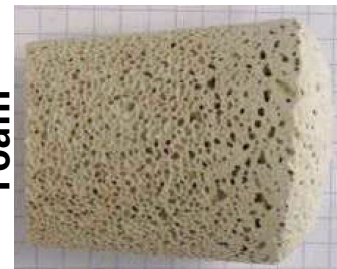
## Imerys' ambition

To reduce upstream emissions of Building Materials to contribute to a clean and circular economy

### Pozzolans as low CO<sub>2</sub> additive in Hydraulic Binders

- Imerys' **perlite and metakaolin may partially substitute Clinker with a lower CO<sub>2</sub> footprint** in CEM II or CEM V pozzolanic cements
  - Perlite's cementitious activity is natural thanks to its volcanic origin
  - Metakaolin requires a calcination step emitting up to 60% less CO<sub>2</sub> than clinker
- For flooring application, Imerys Ultra Reactive Binder technology **allow reduction of CO<sub>2</sub> emission up to 40% in the final application** compared to a formulation based on 100% Ordinary Portland Cement
- Imerys is developing new **Geopolymer Technologies "Just Add Water"** (new generation of low CO<sub>2</sub> binder using 0% clinker) for various applications with additional benefits:
  - Fireproof building material
  - No Volatile Organic Compounds (VOC) insulating boards
  - High chemical resistance & aesthetic geopolymer renders

Geopolymer  
Foam



**Up to -60%**

Reduction of CO<sub>2</sub>  
emission

# Imerys: a full range of solutions for sustainable building

Pozzolans as low CO<sub>2</sub> additive for Hydraulic binders

Formulation Support to 3D printing in building

Pre cast decoration with geopolymers

Expanded perlite in insulation board & panels

Minerals for external thermal Insulation

Lightweight Mineral foams

Antibacterial glazes, paint and coating solutions

Mineral based geopolymers for fireproof solutions with no VOC

Low carbon footprint TiO<sub>2</sub> substitutes in waterborne Paint

Mortars for sewer systems against biogenic corrosion

Ceramic formulations Including recycled construction wastes



New building

Renovation

Recycling

# Conclusion

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- Minerals are **essential**
- As the world's leading supplier of mineral-based specialty solutions, Imerys' technical knowledge and expertise place us in the best position to extract, source and transform minerals responsibly **over the long term**
- Our ambition is to unlock the sustainable potential of minerals, developing current and new products that are **aligned to the ambitions of the EU Green Deal**
- We are scaling up our efforts to deliver new solutions and opportunities to extend the life cycle of our minerals, as part of the **drive towards an increasingly circular economy**
- To drive the necessary change, working even closer with its customers, suppliers and other stakeholders, leading the **way towards a more sustainable industry**

# Appendix

# Building on the foundation of past years' achievements

## Safety

Total Recordable Injury Rate\*

-25%



## Diversity and Inclusion

Proportion of women within the Group's senior management team

+18%



## Climate Change

Percent reduction in CO<sub>2</sub> emissions / Revenue (tCO<sub>2</sub> / euro)

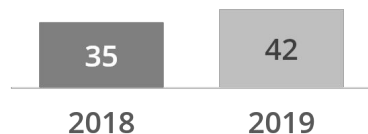
-11%



## Water Management

Volume of recycled water (millions of litres)

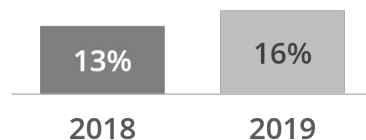
+20%



## Responsible Purchasing

Group Suppliers by spend

+23%



## Community Engagement

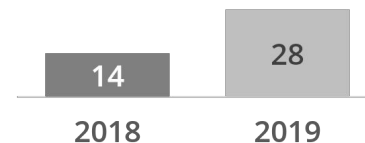
+ 56 Projects for local stakeholders in 2019



## Product Sustainability















Life Cycle Assessments

+100%



\* Imerys considers a recordable injury as an accident without lost-time whenever a medical service provider is involved in the treatment, even if the treatment is first aid

# Sustainability performance recognized by leading CSR rating agencies

Indices/ Assessment	 <b>ASSESSMENT UNDERWAY</b> (-D to A)	 (0 to 100)	 <b>ASSESSMENT UNDERWAY</b> (CCC to AAA)	 (D- to A+)	 (0 to 100)	 (0 to 100)	 SUSTAINALYTICS (100 - 0) 0 = low risk
Most recent rating 2019/2020							
Relative to industry	Above industry average (C)	99 <sup>th</sup> percentile	-	50 <sup>th</sup> percentile	7 <sup>th</sup> out of 45	99 <sup>th</sup> percentile	17 <sup>th</sup> out of 115



# Thank you for your attention

## Next events

<b>February 17, 2021</b>	2020 annual results
<b>April 29, 2021</b>	1st quarter 2021 results
<b>July 27, 2021</b>	1st half 2021 results
<b>November 2, 2021</b>	3rd quarter 2021 results

For more information: [www.imerys.com](http://www.imerys.com)

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