Borealis Group

Debt Investor Presentation



Keep Discovering

Borealis' Debt Investor Presentation



What guides us and all our actions is to become..

A global leader in advanced and sustainable chemicals and material solutions.



Borealis at a glance

Who we are Borealis at a glance

120 Countries. Head Office in Vienna, Austria



employees worldwide Production and distribution of advanced and circular polyolefins solutions, base chemicals and fertilizers

Ownership structure:

75%

25%

OMV, Austria

ADNOC, UAE



Our JV's: Bayport Polymers (Baystar ™) – brings Borstar® technology to American polyethylene markets



Our JV's: Borouge – one of the world's largest integrated polyolefin complexes (Ruwais, UAE)

BBB+

Strong investment grade credit rating

#2 Among polyolefin producers in Europe



net profit

128 Priority patents filed in 2022

B Polyolefin recycling operations in Europe

Who we are **Highlights 2022**



Safety first – new "B-safe" programme kicked off to further improve safety performance



Launch of **Borealis Strategy 2030**, an evolution centred on sustainability, geographic expansion and company transformation



Borouge IPO was the largest ever on the Abu Dhabi Securities Exchange, raising over USD 2 billion in gross proceeds for a 10% flat

ADNOC acquired **25% stake** in Borealis deepening and extending a strong partnership

Projected six-fold increase by 2025 in production capacity of circular products enabled by investments and solutions



Global growth projects progressed: ground-breaking Borouge 4, start-up Borouge PP5 and Baystar ethane cracker



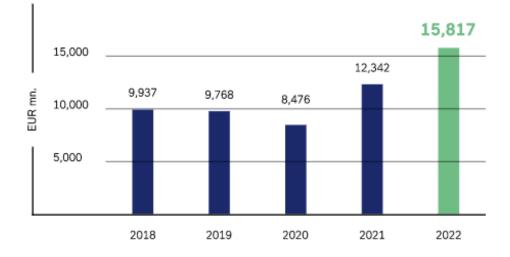
Launch of groundbreaking Borstar® Nextension Technology for tailored, performance-based PO



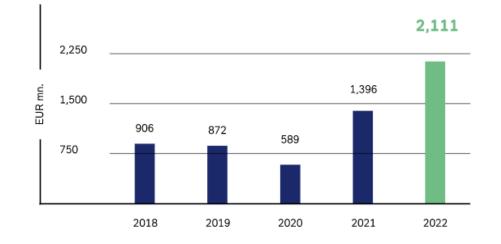
Ambitious **decarbonisation efforts** boosted via new PPAs for wind, PV and hydropower

Who we are Our key financial metrics

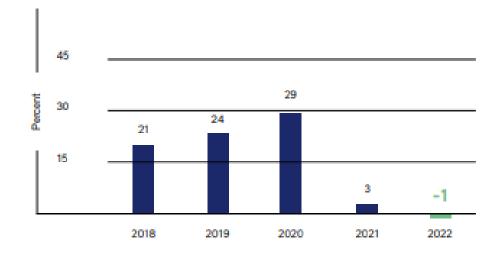
Total Sales ¹⁾



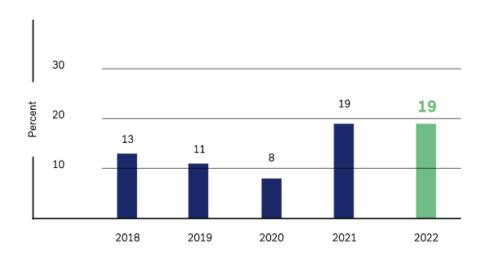
Net Profit



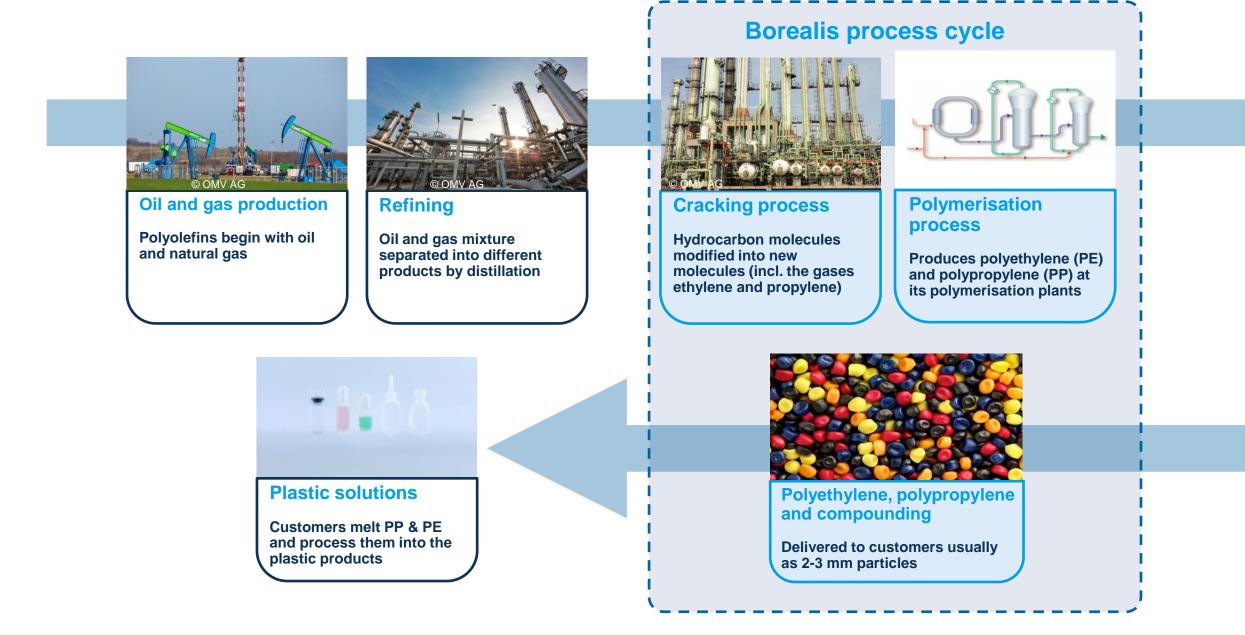
Gearing



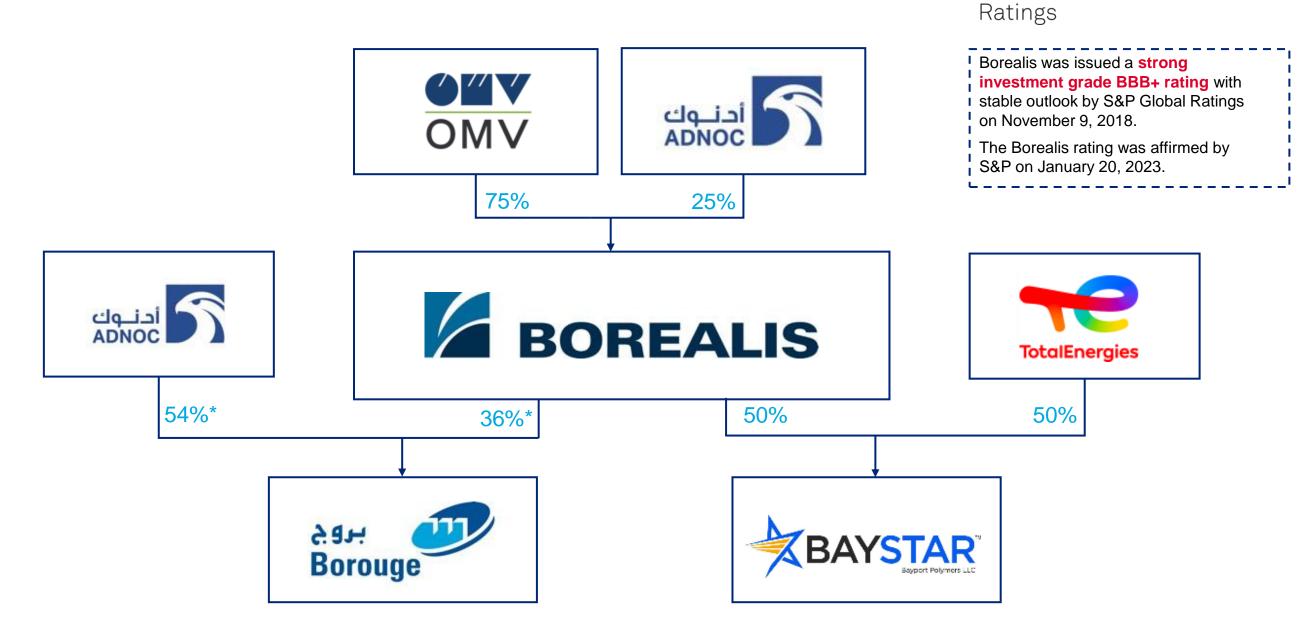
ROCE



Borealis in the plastic value chain



Who we are **Strong shareholders, with long-term visions**



S&P Global

Who we are Where to find us:

Borealis Locations •

Head Office

Borealis AG Trabrennstr. 6-8 A-1020 Vienna, Austria Tel. +43 1 22 400 300 Fax + 43 1 22 400 333 www.borealisgroup.com info@borealisgroup.com

Customer Service Centres

Austria, Belgium, Brazil, Finland, France, Hungary, Turkey, United States

Production Plants

Austria, Belgium, Brazil, Finland, France, Germany, Italy, South Korea, Sweden, The Netherlands, United States

Borouge Locations •

Head Offices Singapore, UAE

Innovation/Application Centres China, UAE

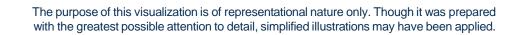
Production Plants China, UAE Sales Offices/Representative Office Argentina, Chile, China, Colombia, Czech Republic, Denmark, France, Hong Kong, Mexico, Morocco, Poland, Russia, South Africa, Spain, Turkey, UAE, UK, United States

Borealis L.A.T Locations Austria, Bulgaria, Croatia, Czech Republic, France, Greece, Hungary, Romania, Serbia, Slovakia

Borealis Rosier Locations* Belgium, The Netherlands

Sales Offices/Representative Offices China, India, Indonesia, Japan, Singapore, Thailand, UAE, Vietnam

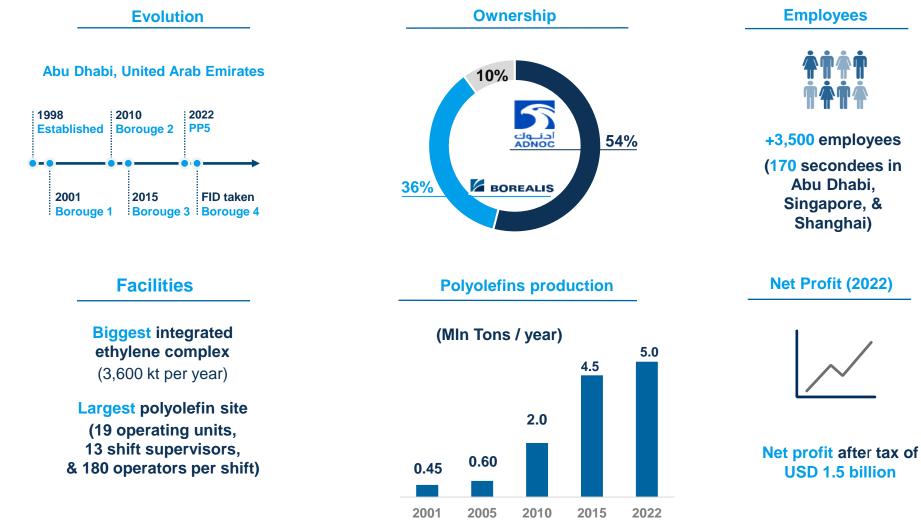
Logistics Hubs China, Malaysia, Singapore, UAE



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Borouge – a very successful joint venture





Borouge 2 Borouge 3 PP5



In November 2021, ADNOC and Borealis reached a final investment agreement to build Borouge 4 in Ruwais, United Arab Emirates (UAE), which will produce 1.4 million tons of polyethylene per annum.

The expansion project includes construction of a 1.5 million tonnes ethane cracker, two state-of-the-art Borstar® polyethylene plants and a cross-linked polyethylene plant.



What's next?

Where do we go from here?

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WHAT IS OUR VISION

A clear vision for our transformation journey

A global leader in advanced and sustainable chemicals and material solutions

HOW WE WANT TO TRANSFORM

Key pillars of our strategy 2030 for the challenges ahead



Build on safety, people & culture, innovation & technology and performance excellence to sustain strong growth.

WHAT WE WANT TO ACHIEVE

Commitments 2030 we set ourselves and what to be judged by:



1.8 million tonnes of circular products and solutions



100% of electricity used of renewable origin



< 2 million tons of Scope 1 & 2 emissions*

> * Scope 1 and Scope 2, compared to base year 2019

Our transformation framework

Key pillars of our strategy 2030

Geographical expansion

Become a fully global partner to our customers

We grow through M&A and selected builds in NAM, Middle East and Asia. We leverage Borouge's market presence for in-Asia growth.

Safety

Goal Zero guides our strategic aspiration to be among the safest companies in the industry.

People & Culture

People make it happen. We shape an experience where everyone can perform at their best and make a difference.

Sustainability

We significantly reduce our CO₂ footprint

Strong foundation

Build on safety, people & culture, innovation & technology and performance excellence to sustain strong growth.

Transformation

Evolve to a fully customer-centric approach to offer advanced and sustainable material solutions

> Circular economy We lead the transformation to a truly circular economy across all our applications.

Value add We invest in compounding and adjacencies to accelerate value creation through innovation.

Innovation & technology

Accelerate circularity, drive specialty growth and create more value in licensing & catalyst technology.

Performance excellence

We focus on excellence across all activities. Utilise technology and digitalisation to drive efficiencies.

OMV Strategy 2030

Become a

leading European producer of

sustainable fuels

Strengthen

expand and

diversify

chemicals &

materials portfolio

Become a leading sustainable fuels, chemicals and materials company – with a strong focus on shareholder value Net zero by 2050 in scope 1, 2 and 3

> High cash flow generation

> Progressive dividend policy

> Clear investment criteria

Changed product portfolio will increase profitability and deliver higher quality earnings

Reduce fossil

production and processing

- Strong financial performance of existing businesses drives transition
- Strategic portfolio management to transform business at speed
- Growth options to be implemented in a targeted and disciplined manner
- Progressive dividend policy continues to deliver attractive shareholder returns with significant upside

Our commitment to the future

Placing sustainabili at the core of everything we do.

Sustainability

Our commitments in line with our ambition to be a sustainable leader



Our goals

ZERO O

work-related incidents or accidents

ZERO 🐼

non-emergency flaring

ZERO 🖤

harmful substances in **our products** according to REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals)

until 2030

100% 🛇

of electricity from **renewable** sources

1,800 🖸

Kilotons of **circular products** and solutions by 2030 +20% 🐼

Energy efficiency improvements (vs 2015)

< 2 🛛 🐼

million tons of Scope 1 & 2 emissions*

* From 5.1 million tons in 2019 including the nitrogen business. The divestment process for the Borealis nitrogen business which comprises fertilizers, technical nitrogen, and melamine has been ongoing since February 2021. Scope 1 are direct GHG emissions that occur at the source and are controlled by Borealis. Scope 2 are GHG emissions stemming from the generation of energy purchased by the company.

Borealis Group Strategy 2035

Borealis aims to take the lead in transforming the industry by targeting "Plastics Neutrality"

Develop technology for advanced mechanical recycling Retain strong customer interface Offer full solutions of rPO and vPO through customer centric innovation

P

Secure access to rPO of the right quality through supply or manufacturing partnerships

Explore partnerships around chemical recycling and broaden feedstock sourcing portfolio

Chemical recycling

Engage in **"Design** for Circularity" Define end-of-life solution for VPO

Lead **new business models** in circular economy to create new revenue and profit streams



Borealis product range

Base Chemicals





Laminates
Plywood
Particle board (PB) Laminate flooring
 Furniture tops
 Kitchen counter tops

tops •Wall cladding



Moulding Compounds

Table & picnic-ware

Children dinnerware

Handles for pans

and other utensils

Melamine Coatings

Vehicle body
Household appliances
Drink cans



Hydocarbons & Energy

- Feedstock, olefins, & co-products
- Phenol & Acetone
- Energy

Polyolefins



Circular Economy Solutions

Mechanical recyclingDesign for recyclability (DfR)



Polymer Modifiers
 Foam solutions

Foam solutions
Reinforced polyolefins for structural parts

--- With our advanced polyolefins for virgin and circular economy solutions we serve these industries: ---



- Flexible packaging
 Rigid packaging
 Fibres
- Appliances (washing machines, dish washers, fridges/freezers, vacuum cleaners, coffee makers, microwave oven etc..)





Water & Gas
Sewerage & industrial
Plumbing & heating





- Bumpers & body panels,
- Exterior & interior trims,
 Dash-boards & central console
- Door cladding
- Under body shielding,
- Cooling systems & battery tray



AC/DC extra high, high, medium & low voltage
Fibre optic & data network cable

 Automotive, building, photovoltaic, & industrial cables

Medical pouches
 Syringes

- SachetsMedical devices
- Bottles



Polyolefins PO Portfolio to accelerate the move to plastics circularity

Non-virgin like / Non-food

Virgin like / Food



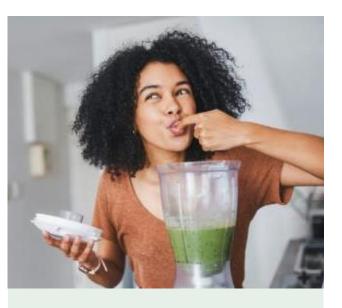


Recyclates

Commercial







First

generation

launched

Borcycle



The Bornewables™ Commercial

Circular Economy Recyclable, reusable, renewable

In action today:



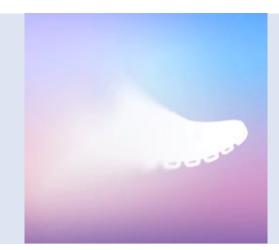
Reuse and Bockatech

Reusable plastics solutions, such as polypropylene beverage cups we developed together with **Bockatech**, replace single-use applications.



DFR 10 codes of conduct

Borealis' 10 Codes of Conduct promote **Design for Recyclability** in consumer packaging



On Shoes

Capturing and utilising carbon: Turning carbon emissions into running shoes in cooperation with ON shoes LanzaTech.



ISCC Plus

ISCC Plus certified renewable and chemically recycled polymers

Consumer Products



Stand-up pouches designed for recycling (DFR) so it can be collected, sorted, and recycled



Daploy HMS PP 100% recyclable HMS PP foam developed for food service (cups), automotive, and construction



Energy



Polyolefin compounds solutions for high voltage cables (HVC) for long-distance and sub-sea energy transmission



Encapsulant film and backsheet compounds for long-term photovoltaic module performance and reliability



Healthcare



Reliable solutions for medical and pharmaceutical applications that add value to healthcare

Borealis Bormed[™] products are a valuable addition for rigid and flexible products in the healthcare industry





Shielding against pollution and viruses with protective face masks – made possible with plastics

The demand for face masks is only intensifying, whether for the healthcare industry, protecting against air pollution, or in offering a barrier against any bacterial and viral threats, such as for instance the currently ongoing coronavirus outbreak. Advanced plastics solutions, such as meltblown fibres, play a vital role in face mask applications.

Infrastructure



Polyolefin solutions for water and gas supply, waste water and sewage disposal, in-house plumbing and heating



Coated steel pipes for several applications, including the oil & gas industry



Mobility

VW Tiguan side panel & wheel arch trim



Exterior Solutions for OEMs, including side panes, bumpers, front-grills

Audi A1 Door Cladding



Interior Solutions, including Door Claddings, Trunk Trims, Tail-gate Cladding, etc.

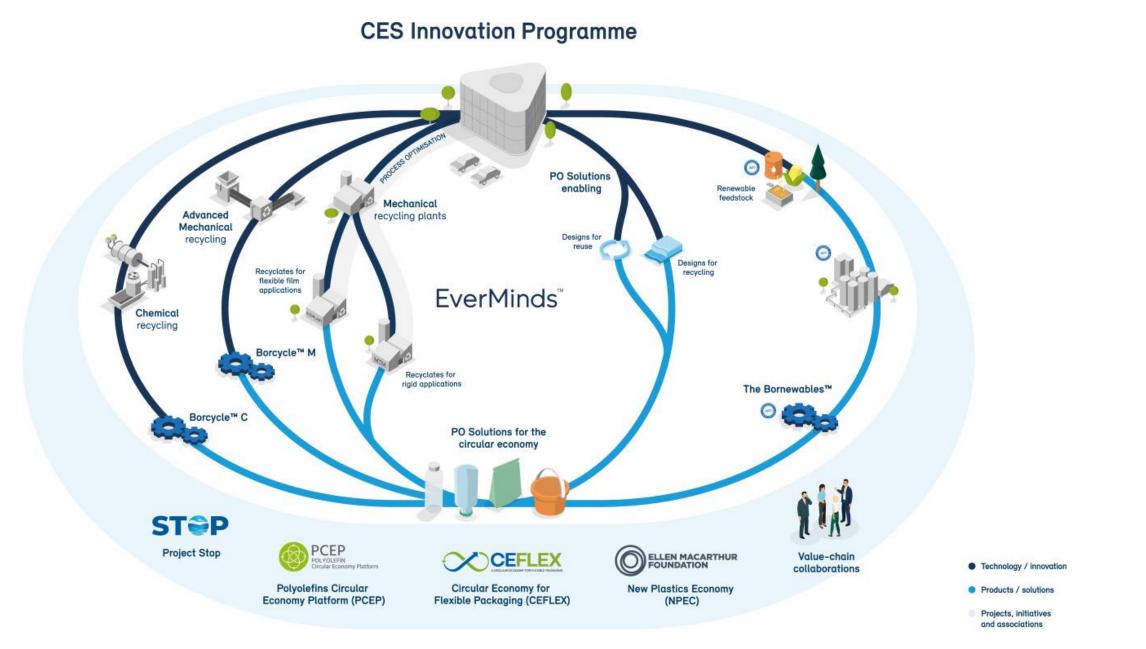




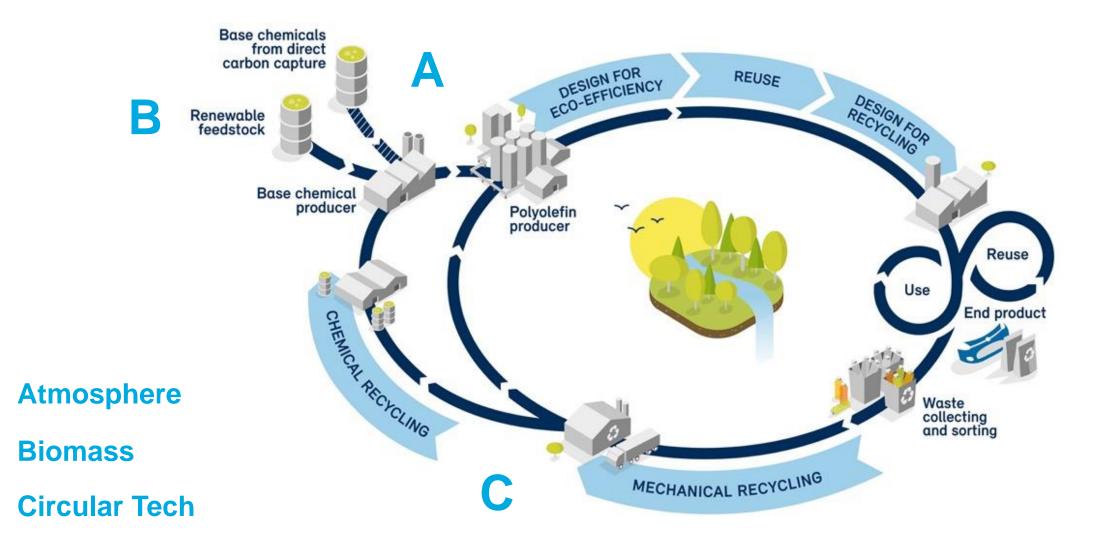


Borealis offers a well-rounded mixture of circular PO solutions

Future Positive Revolution



To build up a Circular Economy, Borealis takes a wider view on the value chain Future Positive Revolution



B

С

The journey to climate neutrality

Energy & Climate

Plastics accelerate the shift to renewable & efficient energy sources

m of the sector

Energy & Climate Where and how do we make an impact?



Renewable power transportation

Borlink[™] technology ensures reliable wind and other renewable power transportation



Optimise solar energy

Advanced photovoltaic films optimise the production of renewable solar energy



Reduce emissions

Plastics provide for efficient Electric Vehicle system components and reduce emissions in transportation Energy & Climate
We will reduce our direct emissions





Greenhouse gas (GHG) emissions

Reduction of Scope 1 and Scope 2* emissions from 5.1 million tons (base year 2019) to less than 2 million tons by 2030

- Energy efficiency improvements
 - Carbon capture projects
- Divestment of NITRO business

Energy consumption

Increase the share of renewables in the electricity mix to 40% by 2025 and further to 100% by 2030

* Scope 1 are direct GHG emissions that occur at the source and are controlled by Borealis. Scope 2 are GHG emissions stemming from the generation of energy purchased by the company.

Energy & Climate Our journey to climate neutrality features numerous efforts



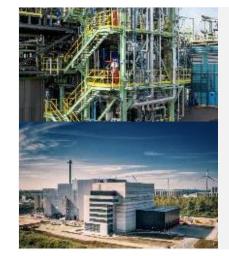


9-year power purchase agreement with Axpo covering the entire output of two wind farms



Belgium

Collaboration in the Antwerp@C project to investigate CCUS in the Port of Antwerp



Belgium

Heat recovery with revolutionary Qpinch technology, Antwerp. Electricity + steam from waste-to-energy plant in Beringen



• Stenungsund, Sweden

10-year power purchase agreement for the output of Kronoberget wind farm in Sweden



• Porvoo, Finland

8-year power purchase agreements for renewable electricity from new windfarms operated by Fortum



• Monza, Italy

Solar panels using our proprietary Quentys™ technology installed at our Compound plant in Monza, Italy

Borealis is a Pioneer in Converging Prime Material Market with Recycling

Way forward is clear: quadruple our recycled plastics volume by 2025



- Founded in 1994, part of the Borealis group since 2016
- Leading European post-consumer recycler for rigid polyolefins with 70 kt output
- Two sites in central Germany
- Niedergebra site is one of the biggest European post-consumer recycling sites with 50 kt output

🚺 ecoplast

- Founded in 1989, part of the Borealis group since 2018
- Leading European post-consumer recycler for flexible polyolefins
- Production site in Wildon, Austria
- On-going expansion project will increase output to over 30 kt

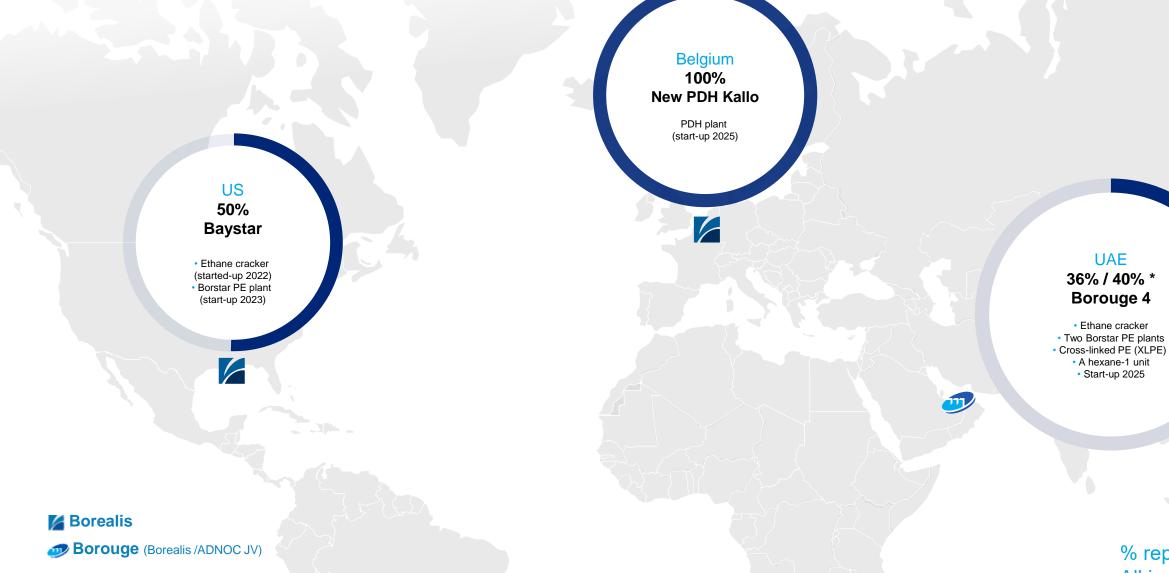


- Founded in September 2020, Renasci is a Belgian company innovating in the waste management through plastics recycling
- Borealis acquired a majority stake of Renasci N.V
- Renasci is a provider of recycling solutions and creator of the Smart Chain Processing concept (SCP)

Key projects & growth

Growth

Growth journey continues in Europe and beyond transforming Borealis into a global business partner



% represents Borealis' stakes All in execution

UAE

Ethane cracker

A hexane-1 unit

Start-up 2025

Growth

Continuous investments in Europe underpin our leading position in the European market

• Porvoo, Finland

Stenungsund, Sweden





One of the largest and most efficient facilities in the world

- Construction of a new, worldscale propane dehydrogenation (PDH) plant in Kallo, Belgium
- Scheduled to start up in 2025
- Targeted production capacity of 750,000 tonnes per year

Growth

Continuous investments underpin our leading position in the Middle East & Asia

Shanghai, China •

• Abu Dhabi, UAE

Guangzhou, China

Singapore



Borouge is one of the world's largest integrated polyolefin complexes

- Production capacity 5 million tonnes Borouge Innovation Centre in
- New Borouge Borstar PP5 plant is integrated with the existing Borouge
 3 complex and producing 480,000 tonnes per year; started-up in 2022
- Upon completion of Borouge 4, the overall production capacity of Borouge will be 6.4 million tonnes annually.

- Borouge Innovation Centre in Abu Dhabi
- Logistics hubs in Abu Dhabi, Singapore, Shanghai and Guangzhou in China
- Compounding Manufacturing Plant and R&D Application Centre in Shanghai, China

Growth **Growth project status Borouge 4**

Shanghai, China

Abu Dhabi, UAE

Guangzhou, China

Singapore



Borouge 4 will play a significant role in meeting the projected growth of customers' demand for polyolefins in the Middle East, Africa and Asia

- · Final investment decision for the Borouge 4 expansion taken in November 2021
- One 1.5 mio tons pa ethane cracker
- Two Borstar PE plants, each with a In progress: in-depth study for production capacity of 700 kta
- One 100 kto cross-linked PE (XLPE)
- One hexene-1 unit, producing comonomers for certain PE grades
 - carbon capture unit that would reduce CO2 emissions by 80%

Growth Growing in the US with Baystar

• Texas, US



Baystar becoming a fully integrated polyethylene company

- 50/50 joint venture with Total Petrochemicals & Refining USA, Inc.
- 1 mio tonnes per annum ethane cracker in Port Arthur
- 625 kilotonnes per annum Borstar® polyethelene (PE) plant in Pasadena (construction ongoing)
- Borealis Borstar technology, which will be used in North America for the first time – will allow Baystar to produce enhanced polyethylene products for the most demanding applications

We are creating solutions of tomorrow:

Our technologies pave the path for achieving our vision

Borceed™



Borstar®

multi-modal proprietary technology for manufacturing polyethylene and polypropylene



Borlink™ Wire & Cable Technology Platform



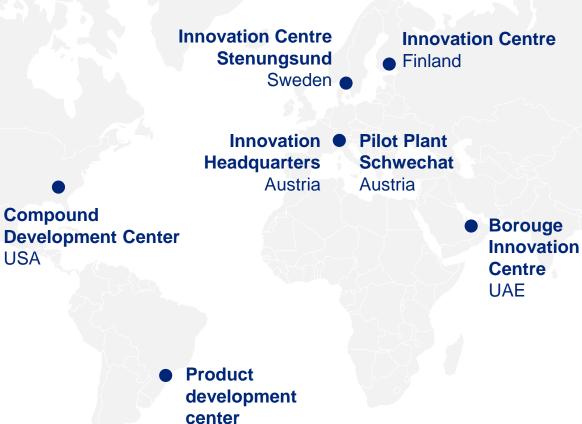
Borealis Sirius



Borcycle™ An evolving recycling technology

Innovation Leadership

Our R&D capabilities: Innovation centers that combine state-ofthe-art facilities with foresighted thinking



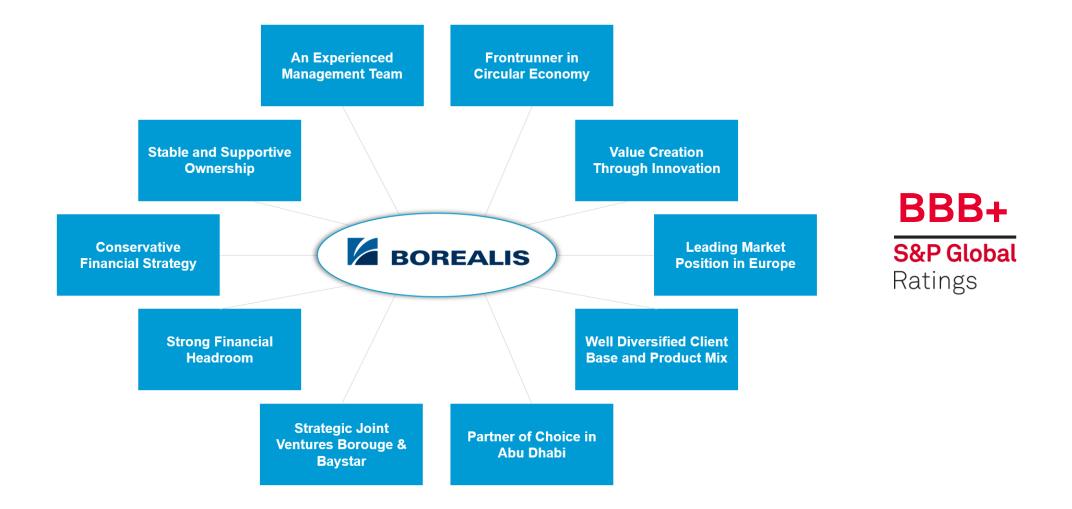


Brazil

USA



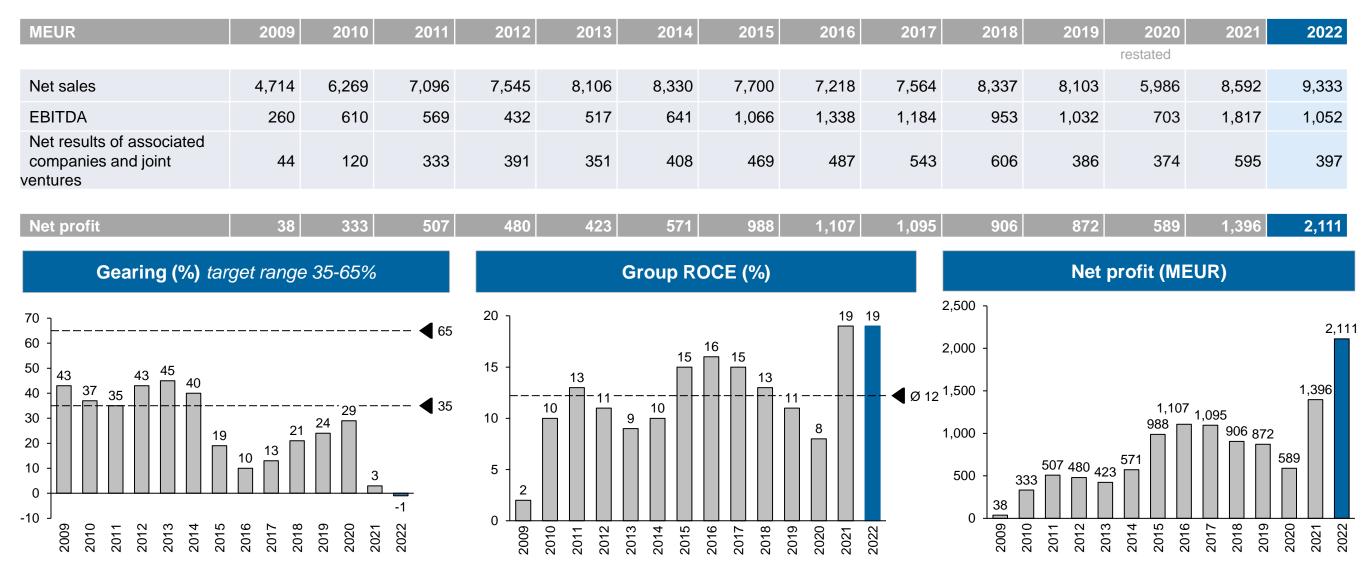
Investor pitch Borealis' value proposition



Solid financials 2009 – 2022

Borealis delivers solid financial result in a volatile market environment

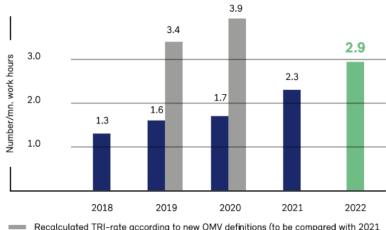
Figures excl. discontinued operation where applicable, for more information refer to the annual report 2022



Gearing: defined as current and non-current loans borrowings (i.e. interest bearing short-term liabilities plus interest bearing long-term liabilities) minus cash and cash equivalents divided by total equity. Return on Capital Employed (ROCE) defined as Operating profit, profit and loss from sale of operations, net result in associated companies plus interest income, after imputed tax, divided by average capital employed

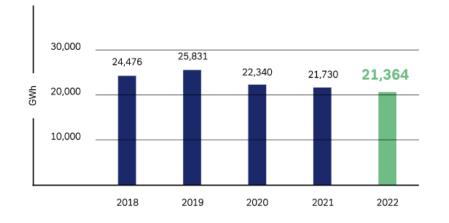
Who we are **Key sustainability metrics**

Total Recordable Injuries 1)



Recalculated TRI-rate according to new OMV definitions (to be compared with 2021 and 2022 only).

Primary Energy Consumption



EU ETS CO₂ Emissions

Flaring Performance

26,273

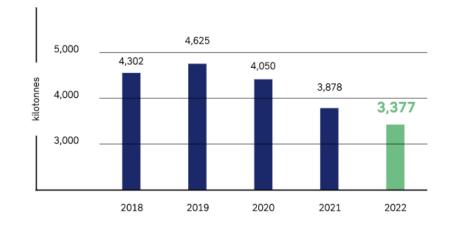
2018

60,000

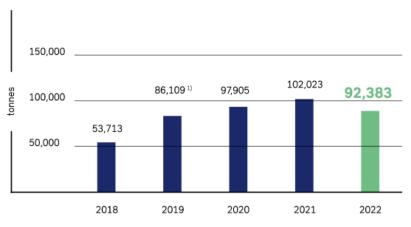
40,000

20,000

ō

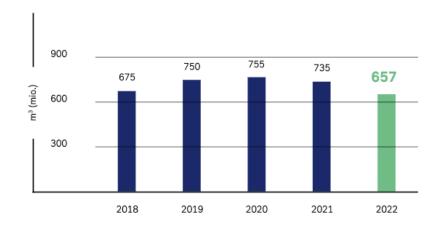


Waste Generation



1) The main reason for the increase is the integration of the plastics recycling company mtm plastics GmbH into the monthly group reporting definitions.

Water Withdrawal



Severe upsets led to significant emergency flaring during shutdowns; furthermore, there
was a lack of recycling capacity.

27,619

2019

42,5431)

2020

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1) Includes own employees and contractors // 2) Definitions were adjusted in 2021 to be aligned with OMV definitions. A comparison to previous years is therefore not possible. // 3) Environmental data might be subject to minor adjustments due to ongoing audits and missing third-party data at the time of closing of this report. // 4) Severe upsets led to significant emergency flaring during shutdowns; furthermore, there was a lack of recycling capacity. // 5) The main reason for the increase is the integration of the plastics recycling company mtm plastics GmbH and mtm compact GmbH into the monthly group reporting definitions. // 6) Value has been recalculated in retrospect due to ongoing audits and missing third-party data at the time of the singlificant.

39,955

2022

38,538

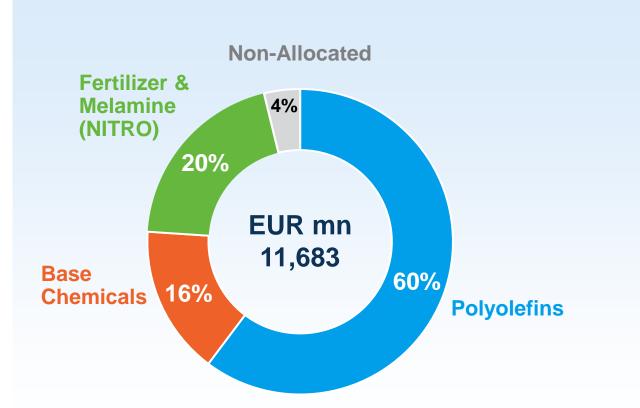
2021

GmbH into the monthly group reporting definitions.

Sales split by segment and region – FY 2022

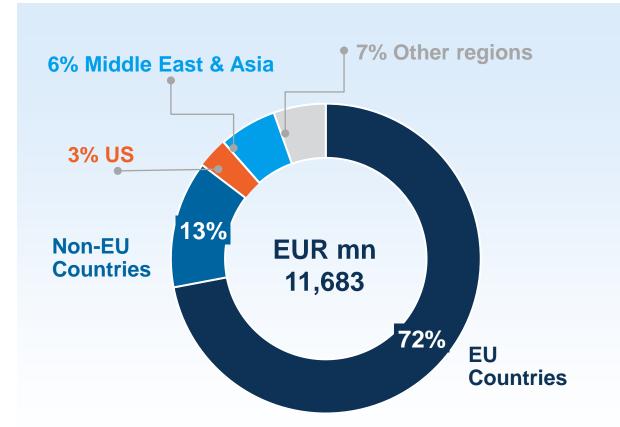
Figures incl. discontinued operation

Net Sales by segment, FY 2022



Reconciliation of reportable segments to the consolidated income statement EUR thousand	2022
Total revenue for reportable segments	11,683,280
Elimination of discontinued operation	-2,350,471
Net sales	9,332,809

Net Sales by region, FY 2022



Financing and Bank Strategy – Debt Portfolio

Well diversified debt portfolio as basis for a solid financial position

- Revolving Credit Facilities
- OeKB (Austrian ECA)
- R&D Finance

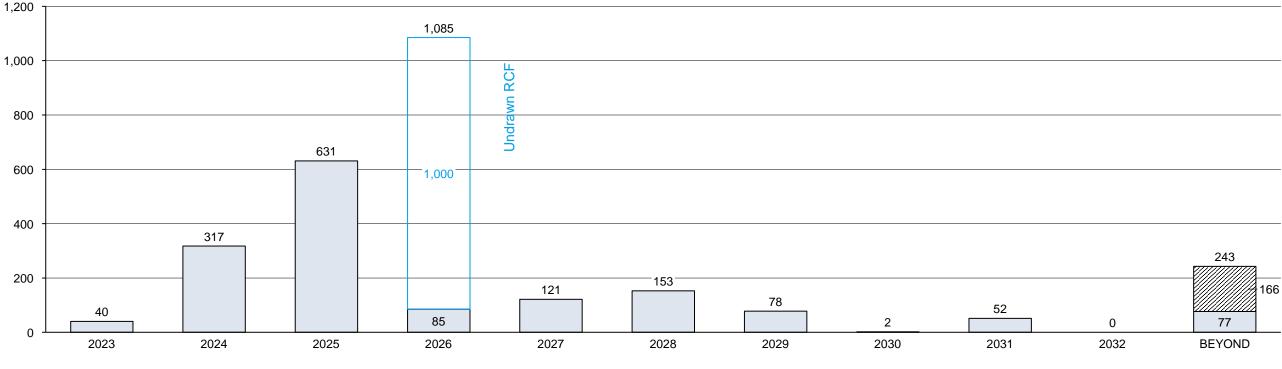
- Corporate Bonds
- Private Placements (USPP, Schuldschein)

Samurai Loan

Securitization

Well balanced maturity profile contributing to financial stability

MEUR Maturity Profile per December 31, 2022 excl. IFRS 16 Financial Leases



Undrawn Portion of RCF 🖾 Undrawn Portion of Export Credits 🔲 Existing Loans

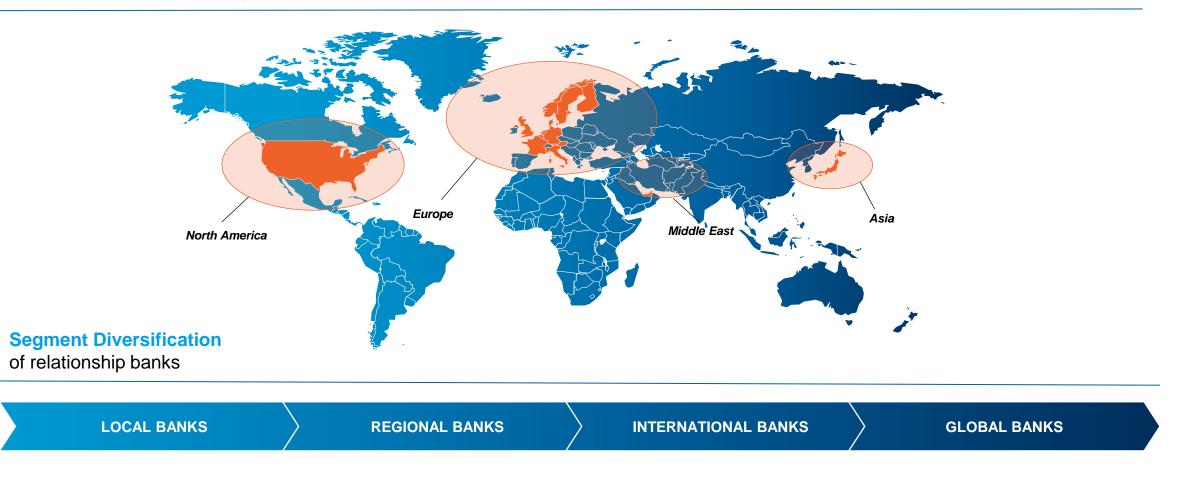
Financing and Bank Strategy – Diversification

- Active management of maturity profile
- Portfolio approach
- Clear rules for financing approach

Geographic Diversification

of relationship banks reducing dependency on local financial markets

- Appropriate measurement & indicators
- Significant headroom under committed lines



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