



Potentials and Challenges for Scaling Up Certification

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EverMinds™

Accelerating Action on Circularity

 **BOREALIS**

Keep Discovering



About Borealis

Borealis is one of the world's leading providers of advanced and circular polyolefin solutions and a European market leader in base chemicals, fertilizers and the mechanical recycling of plastics. We leverage our polymers expertise and decades of experience to offer value adding, innovative and circular material solutions for key industries. In re-inventing for more sustainable living, we build on our commitment to safety, our people and excellence as we accelerate the transformation to a circular economy and expand our geographical footprint



Borealis works closely with its customers and industry partners to provide innovative and value-creating plastics solutions that increase end-product safety, reduce weight, lower costs and enable integration of parts.



Borealis continues to develop its profitable Base Chemicals business building on unique feed-stock technology, logistics and integration strengths.



Borealis is a leading fertilizer company in Europe with strong ambitions for further growth in selected markets worldwide.

Borealis supplies fertilizers and technical nitrogen products via its Borealis L.A.T distribution network.



Borealis at a glance

Worldwide



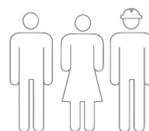
Head Office in **Vienna**, Austria.
Operating on **five continents**
in **120 countries**

Market Position



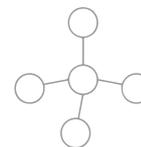
#2 among polyolefin
producers in **Europe**
#8 worldwide

Employees



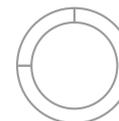
About
6,900 employees

Line of Business



Production and distribution of
polyolefins, base chemicals
and **fertilizers**

Ownership Structure



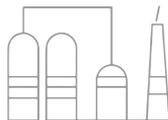
75% OMV, Austria /
25% Mubadala, United Arab
Emirates

Financial figures



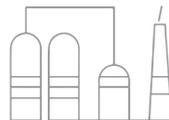
Net profit 2020 – **MEUR 589**
Net sales 2020 – EUR 6.8 billion

Joint Venture



Borouge – the world's largest
integrated polyolefin complex
in Ruwais, UAE

Joint Venture



Bayport Polymers – brings
Borstar® technology to American
polyethylene markets

Circularity



Two **polyolefin recycling**
operations in Europe

Patents



114 priority patents
filed in 2020,
#1 in Austria



The EverMinds™ platform – thinking circular

Connecting Borealis' circular economy-related activities

What EverMinds™ is about

- A platform to **heighten the visibility of plastics circularity**
- As the polar opposite of a dismissive “never mind” attitude, **establishes a more circular mind-set**
- Serves to streamline all Borealis circular economy related activities and boost their impact:
 - **Innovation**
 - **Commercial offerings**
 - **Corporate initiatives**
 - **Value-chain initiatives**
 - **Industry associations & memberships**
- **Sparks interaction and exchange** with stakeholders
- Acts as a catalyst to **inspire innovative circular polyolefin solutions**
- Represents people who **challenge the status quo, are smart, mindful and progressive**



The EverMinds™ values



Mindfulness

We take action to shift towards a circular mindset



Quality

We strive to deliver premium performance whilst caring for the environment



Pioneering

We are constantly innovating our product portfolio; the reason our clients choose us



Collaboration

Only together we can shape a better tomorrow

ISCC Certification key to our Mass Balanced Sustainable Products Offering

- The solution for high purity, high performance materials
Transformational technology solutions for chemical recycling that gives polyolefin-based, post-consumer waste another life; a solution creating both virgin-level grade materials and high safety and performance qualities fit for demanding applications.
- Introducing the **Bornewables™**, our new portfolio of circular polyolefin products. Manufactured with renewable feedstocks, these premium polyolefins offer the same material performance as virgin polyolefins, yet decoupled from fossil based feedstock.
- Circular Hydrocarbons, building blocks for supporting the Chemical Industry using alternative Feedstock



Overview : Borealis Locations & ISCC Certificates



8 Certificates in 6 locations

- Steam Cracker, Aromatics unit, Polymer Units **ISCC PLUS**
- Steam Cracker, Polymer units **ISCC EU**
ISCC PLUS
- PDH unit, Polymer unit **ISCC PLUS**
- Polymer units **ISCC PLUS**

Scaling Up : Certification Roll Out

Unified Approach key

- Fast Pace with Certification
 - First ISCC PLUS Certification achieved in Kallo, Belgium in December 2019
 - Latest ISCC PLUS Certification in Burghausen, Germany in January 2021
- Using the same core implementation team together with site expertise ensures efficient implementation
- As ISCC certification becomes more popular, CBs are busier, forward planning important
- COVID19 did not help, but virtual auditing a way forward with good cooperation with CB



Scaling Up : Lessons Learned



Potentials

- Using same Certification Process makes implementation easier and clearer to organisation
- Unified approach increases reach and clarity to customer from different locations
- Credible approach to mass balancing crucial to gain trust in the value chain
- Both ISCC and CB helpful approach and advice ensuring smooth implementation
- Attention to initial audit helps with following re-certifications

Challenges

- Complexity of Certification increases quickly
 - Scope, Products, Storage can become quickly complex
 - Interchange between Certificates
- Integration into Planning & Logistics is key. Ensuring seamless implementation vs speed whilst increasing complexity
- Integration into ERP Systems
- Keeping up with ISCC developments and changes

EverMinds™

Accelerating Action on Circularity

Thank you

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