

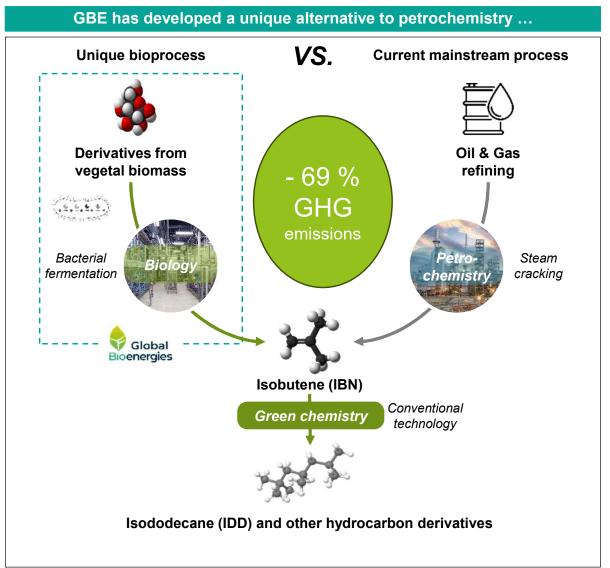


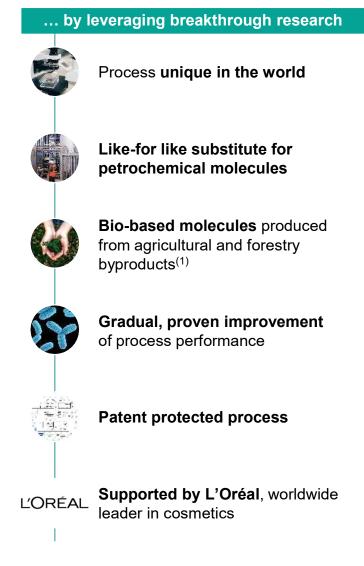
Global Bioenergies is fostering the environmental transition through biosciences





GBE has developed a unique bioprocess to synthetize isobutene from natural sources





IBN derivatives have high-value applications in many markets

IBN is the **smallest branched carbon structure** on Earth, which can be converted into numerous **high-performance compounds**.

These performances traditionally **cannot be obtained from products extracted from Nature**

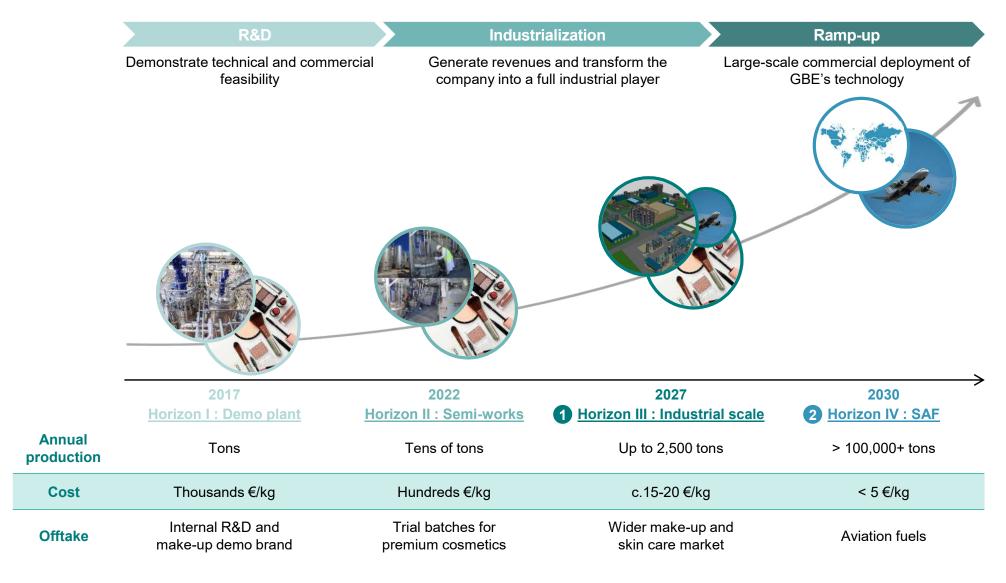








GBE's strategic roadmap: from cosmetics to biofuels





GBE has achieved several significant milestones in the last few months











Significant decrease in production costs achieved through better-performing bacterial strains and integrated process

Several letters of intent received from renowned cosmetics players at attractive prices, for volumes exceeding plant capacity

Significant public subsidies obtained highlight support of GBE by policymakers and reduce equity needs GBE's fuel can now be blended with fossil jet fuel as a drop-in fuel in existing airplanes following successful ASTM certification

c.3x

Reduction in projected production costs, year-on-year

2,500+

Tons of commercial production secured via letters of intent

€20m+

Public subsidies and pre-funding achieved







Certification achieved



Horizon III production will be mainly be dedicated to the global cosmetics market

IDD and IHD are key ingredients in cosmetics

IDD and IHD are used since decades in cosmetics for their unique properties

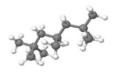
Isonaturane™ is a perfect replacement for petrochemical IDD/IHD

With the same molecular composition and properties, GBE's Isonaturane™ can replace petrochemical IDD/IHD on a like-for-like basis and is a good alternative to cyclic silicones (CS)

Using GBE's Isonaturane™ is the only way for brands to claim naturalness

Switching from petrochemical IDD to GBE's natural product enables a **strong marketing** claim and product differentiation for cosmetic brands at a **limited increase in sourcing costs** (below 0.5% of the total retail price⁽¹⁾)

Isododecane's main properties



Isododecane's strongest case is in longwear, waterproof and no transfer make-up and skin care formulas



Powerful solvent



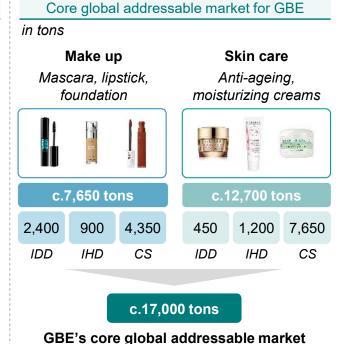
Highly volatile



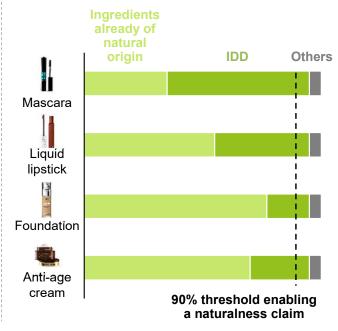
Aerial

emollient

Safe to use



Impact of switching to GBE's IDD on naturalness



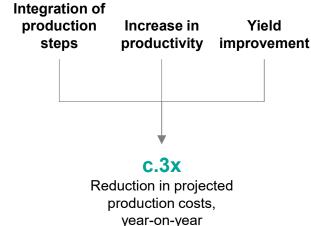


Process improvements have resulted in significant commercial traction over the last few months

GBE has significantly improved its process

By improving the performance of its proprietary bacterial strains and integrating several processing steps, GBE has achieved a major decrease of the production cost of IBN derivatives

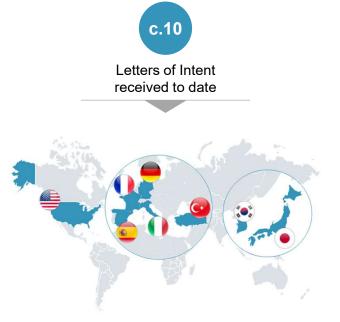
Improvement in production costs



GBE has validated the global cosmetics market interest for IDD/IHD

GBE has managed to obtain over the past months several **letters of intents** from renowned cosmetics players **worldwide** and has **ongoing discussions** for additional volumes – with several regions yet to be tapped

Origin of LOIs received

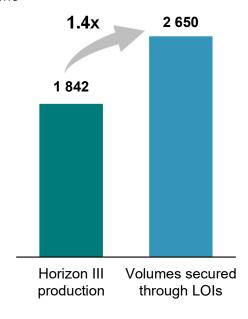


Total volumes now exceed plant production capacity

The Horizon III production is largely oversubscribed, confirming the market's interest for IBN and IBN derivatives – at prices ensuring an attractive return profile for the project

2028 production capacity vs. offtake volume

in tons







Gotten Green G