



Innovation Through Sustainability

August 2023

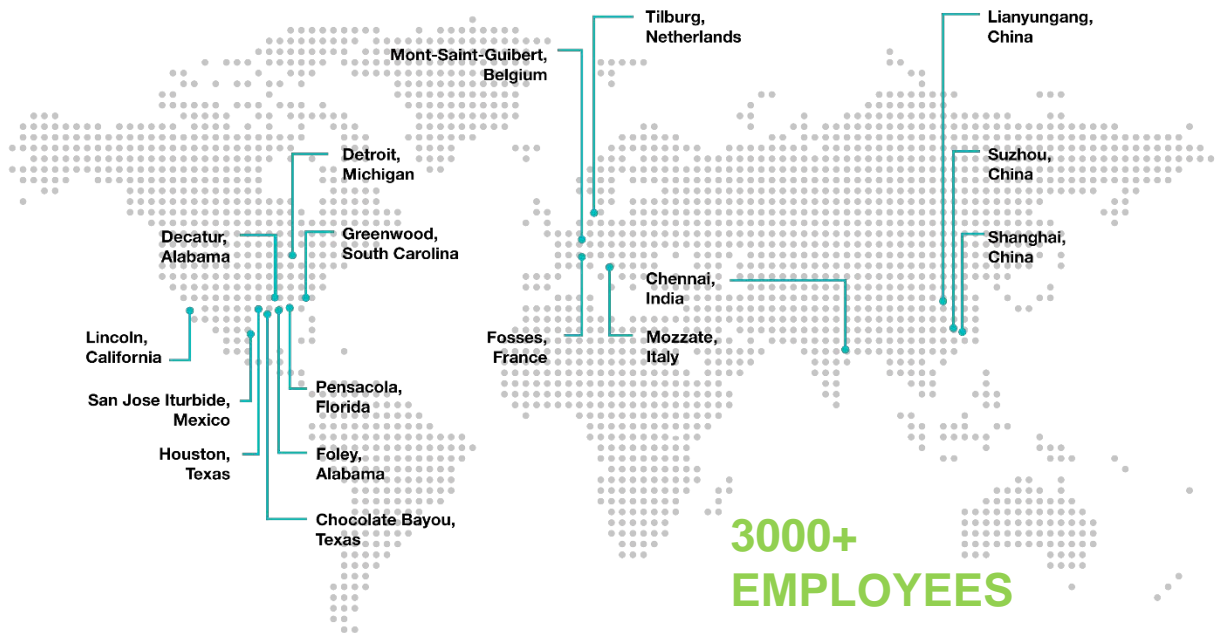


Ascend Overview



At a glance

We make high-performance polyamide materials for everyday essentials and new technologies. Our purpose is to improve the quality of life today and inspire a better tomorrow.



Our markets

Automotive	E-mobility	Electrical & Electronics	Consumer & Industrial
Cable Management	Specialty Chemicals	Healthcare	Textiles & Safety Systems

Participants in



The industry has varying environmental sustainability goals



Johnson & Johnson

Reduce absolute upstream value chain (Scope 3) emissions 20% from 2016 levels.

Baxter

Integrate Baxter's sustainable procurement strategy across 90% of our supplier spend.

Medtronic

6M+ products taken back, diverting more than 280 metric tons of waste from landfills.

Healthcare Sustainability Challenges

Quality



Consistency



Sterility



Regulatory



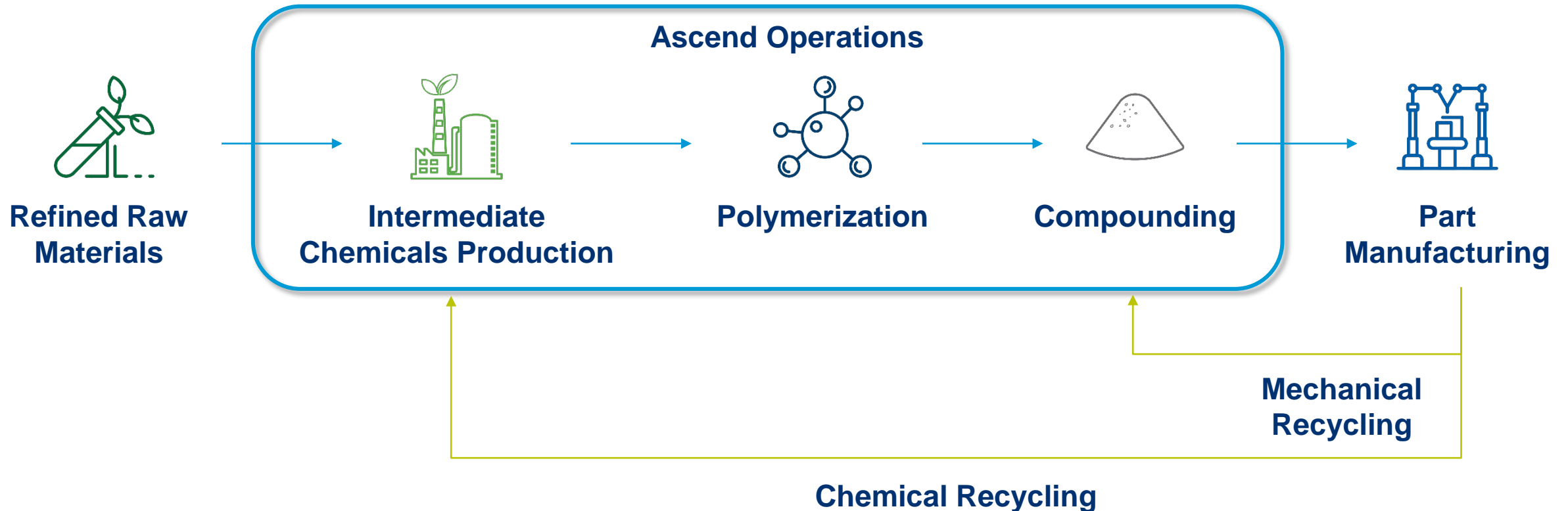
High barriers for change



The majority of GHG production comes from the refining, chemical production and polymerization of plastics



Ascend is the only fully-integrated nylon 66 compounder in North America



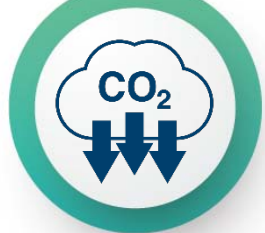
Our goal is to optimize all our resources to create the most sustainable products possible



Ahead of goal to **reduce GHG emissions** by 90% by 2030



Over \$200M investments to **reduce our operations footprint**



All compounding site operations are **carbon neutral**



Increasing usage of **renewable energy** like solar at chemical sites



Designed for **sustainability new product development** process



Leading **sustainable material solutions** for demanding applications

Design for sustainability

Polyamides are meant to last, plus the built-in protection provides long-lasting functionality



Durability



Lightweighting



Fast Cycle Times



Built-in Functionality



Design for Disassembly



HiDURA
MED

High-performance polyamides produced under the highest quality standards.

Acteev
MED

Medical textiles and engineered materials with embedded antimicrobial zinc ions for permanent protection.

Medical Equipment



Packaging



Medical Durables



Surgical Instruments













Wound Care & Closures



Drug Delivery



Sustainable product solutions

		Low Carbon by insetting	
Description	Engineering polymer compounds with mechanically pre- and post-consumer recycled content	Engineering polymers with low carbon footprints via Ascend offsets*	Engineering polymers made with mass balance and measurable bio-derived feedstocks
Benefit	Low carbon footprint driven by waste recovery/ circularity	Low supplier scope 3 carbon footprint without qualification or further testing	Circularity and slight reduction in carbon footprint by using fewer fossil fuels
Impact to product performance/specification	Some	None	None
Certifications applicable	 	 	
GHG reductions			

Advancing sustainability. Together.



Next-generation innovation

Our unique ability to tailor the polymer backbone gives you access to innovative solutions for even the most demanding challenges.



Technical partnership

Our team of dedicated industry experts understand your challenges and get you to market faster with the right solution.



Meaningful sustainable solutions

We are committed to reducing our environmental footprint and redefining sustainable performance.



Global excellence, local service

We continue to expand our operations and technical service globally. As the world's largest fully-integrated PA66 resin producer, we offer world-class quality and reliability.



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