



**EVOLVE WITH  
GATES®**

**COMPLETE SYSTEM  
SOLUTION OF BELTS  
AND SPROCKETS  
FOR CHAIN TO BELT  
CONVERSION**







## OUR WORLD IS CHANGING. SO, WE NEED TO CHANGE TOO.

- Increased demands in efficiency, CO<sub>2</sub> legislations, and rising costs for energy require sustainable solutions to keep your operations optimized, productive, and profitable
- Gates® has been evolving for over a century. Pushing the boundaries of materials science and pioneering innovation that will power the next 100 years
- Our complete system solution of belts and sprockets for chain to belt conversion continues to harness this new way of thinking...
- Delivering a diversified portfolio of products that are lighter, longer lasting, and more environmentally friendly
- Providing value-based services ensuring your applications operate with reliability, efficiency, and safety





# INDUSTRY CHALLENGES, SUSTAINABLE SOLUTIONS

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Our strong, sustainable commitment to help meet industry's decarbonization requirements, is already aligned with the United Nations Sustainable Development Goals.

We are driving change across Governance, Technology, the Environment, and Stewardship, delivering performance transparency right across the supply chain.



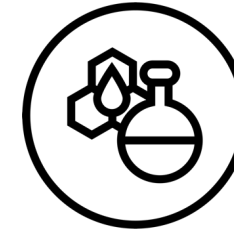


## OUR ECO-INNOVATION™ COMMITMENT

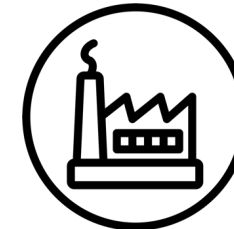
Through the combination of materials science advancements, product design optimization, and process engineering improvements, Gates® Eco-Innovation™ process delivers products that generate less waste, energy, water, and greenhouse gas emissions.

By optimizing resource efficiencies, we can help to minimize our own environmental footprint, as well as the footprints of our customers.

Gates continually evaluates the use of alternative materials and supply chains to enhance product design and strengthen product and business resilience through innovation. Our global materials database tracks the use of chemicals across all operations. It allows us to identify the use of specific materials of concern and make substitutions wherever feasible. Since 2017, chemical management has helped us to use more sustainable materials in our products and operations.



**DESIGN**



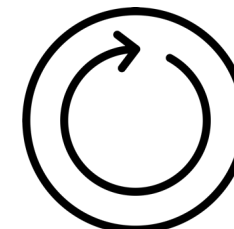
**MANUFACTURING**



**TRANSPORTATION**



**CUSTOMER USE**

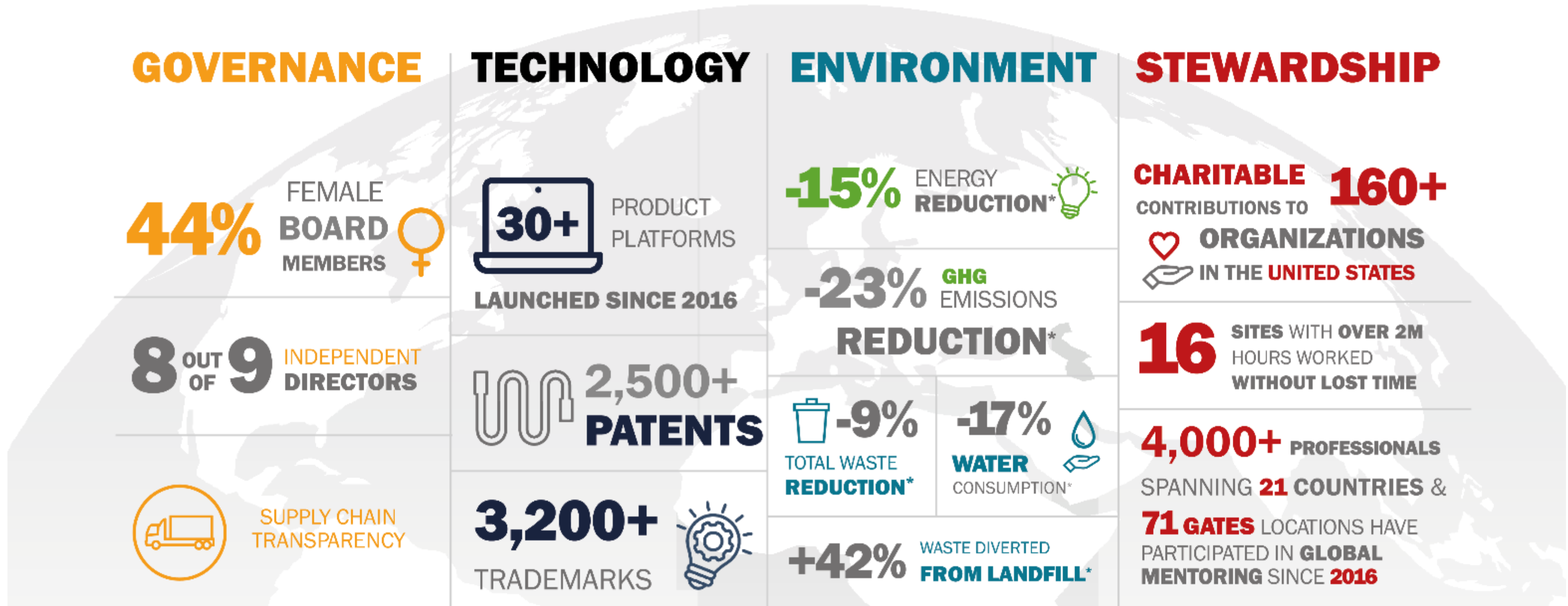


**END-OF-LIFE**



# WHAT WE HAVE ACHIEVED SO FAR

Our long-standing dedication to improve the environment in which we work, and the world in which we operate, ensures that we pave the way for a more sustainable future. Gates® is continually evolving and by optimizing resource efficiencies, expanding diversity and innovating independently we minimize our own environmental footprint.







## RISING DEMAND FOR AUTOMATION

As labor shortages drive demands in manufacturing industries, the need for reliable, efficient, and high-performance power automation is increasing. End users are seeking new belt and chain drive systems that can operate to extreme working temperatures whilst maintaining strength, flexibility and length changeability.

Gates® synchronous belts enable enhanced motion control for a variety of plant functions. Their durable material properties require no re-tensioning or upkeep – improving production while keeping costs low.



## GROWING ENERGY CRISIS

Increasing energy demands across sectors will impact all industry. Manufacturers operating with material handling and lifting equipment require solutions that minimize energy resources and maximize productivity output.

Gates' sustainable belt solutions are lightweight, longer lasting, and deliver exceptional efficiency in performance – providing 5% energy savings, even in intense application operations.





## ADVANCEMENTS IN MATERIALS

In the material handling industry manufacturers are constantly **seeking opportunities for improvement in belt performance, weight reduction, energy saving and cleaner solutions** to meet required industry specifications and regulations.

Gates® synchronous belts work on small pulleys and require no lubrication, saving energy and reducing costs whilst improving the safety of operations in highly regulated industries.



## ENVIRONMENTAL IMPACT REDUCTION

Currently, plastic modular belt cleaning protocol typically includes taking the belt off the machine daily and soaking it in detergent.

Gates advanced TPU Synchro-Clean belts are the ideal replacement for this outdated technology. CIP practices can still be followed, but more easily as the belt can be pressure washed whilst in situ, which saves time, water and wastewater disposal resulting in 54% less sanitation labor and 35% less cleaning water usage.





**JOIN THE EVOLUTION**

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# **EVOLVE** **WITH GATES®**

**BETTER FOR YOUR PEOPLE, PLANET,  
PROFITS, AND PERFORMANCE.**





Evolution starts here. Gates® industry-leading chain to belt solutions work harmoniously together to benefit your business.

- **PROFITS** – lower total cost of ownership through longer lasting product durability...
- **PEOPLE** – improve employee working conditions with minimal noise, lightweight installation and increased safety...
- **PLANET** – decrease environmental impact saving energy, resources, and minimizing pollution...
- **PERFORMANCE** – efficiently optimize operations all-round.

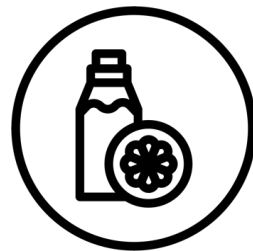




## EVOLVE WITH GATES®. IT'S NOT JUST ABOUT OUR PREMIUM PRODUCTS...

- We are a global leading manufacturer offering tailored services to match your requirements
- We are constantly innovating in sustainability. Pioneering technologically advanced solutions to reduce your global footprint

**Our broad portfolio of products and customer-centric services play an essential role in applications across:**



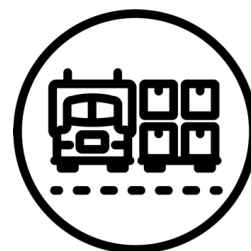
Food & Beverage



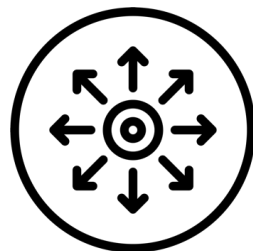
Wood Manufacturing



Waste Management Recycling



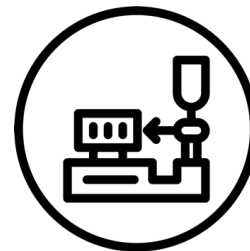
Warehousing & Logistics



Diversified Industrial



Pharma & Healthcare



Stationary Manual Equipment







ALL OUR SERVICES ARE BUILT TO BENEFIT EVERY ASPECT OF YOUR BUSINESS, SO YOU CAN FOCUS ON GETTING THE JOB DONE EFFECTIVELY. AND WE'LL MAKE SURE YOUR OPERATIONS ARE OPTIMIZED EFFICIENTLY TOO.

## COMPLETE SYSTEM SUPPLIER

Gates® offer a one-stop solution with all drives designed together to work efficiently, for guaranteed supply continuity and reliability across all system applications

## DESIGN POWER™

Design Power™ software platform offers multiple design tools to find Gates belt solutions for your chain conversion. A streamlined design process with automatic synching to the Gates catalog and direct access to the latest products, specifications, ratings and pricing

## GLOBAL PLAYER, REGIONAL PRODUCTION

In-region accessibility ensures shorter lead times and significantly reduces CO<sub>2</sub> emissions from freight product transportation





**Combining the latest technology and patented static-conductive construction, our market-leading Poly Chain<sup>®</sup> Carbon<sup>™</sup> VOLT<sup>™</sup> belts ensure all your applications operate to the highest safety specifications available.**

- 96% lighter than roller chain and 3x longer lifetime
- **Environmentally friendly:** made without harmful chlorinated compounds
- Built-in durability that's rust and oil free with **no re-tensioning or lubrication**
- **Drastic noise and vibration reduction**, even in high-speed situations
- **Improved ergonomics:** our products are safer to work with during installation, eliminating the risk of accidents and increasing sustainability in transportation
- **Superior resistance:** nylon fabric protects the surface from acids, chemicals, and water
- **The perfect solution for demanding applications with an increased temperature range of -54 °C to + 85 °C**







Combining advanced materials science and process engineering, PowerGrip™ GT4™ is the belt-driven solution for narrower drives. It offers a wider temperature range capability, improved chemical resistance and higher power capacity.

- With a temperature range of -40°C to 120°C (140°C intermittent), PowerGrip™ GT4™ can power oven exhaust fans where conventional belts fail
- Higher power-carrying drives enable you to design compact, light-weight and cost-effective drives.
- Lubrication-free design eliminates oil contamination, and no re-tensioning cuts maintenance costs







**Get superior performance in every application with the intense strength and long-lasting durability of Gates® TPU Linear Timing Belts.**

- **Less weight, less worry:** 50 – 80% lighter than roller chain drive and enhanced ergonomics with easy fitting and reduced weight and cost of gear motor drive
- **Environmentally friendly** surface offers superior resistance to oil, chemical and water contact with no lubrication pollution
- **Maximum strength**, minimal effort with advanced tensile material
- Longer lasting operations with a **3x lifetime guarantee vs steel cable**
- Keep downtime down and uptime up with **no maintenance checks required**

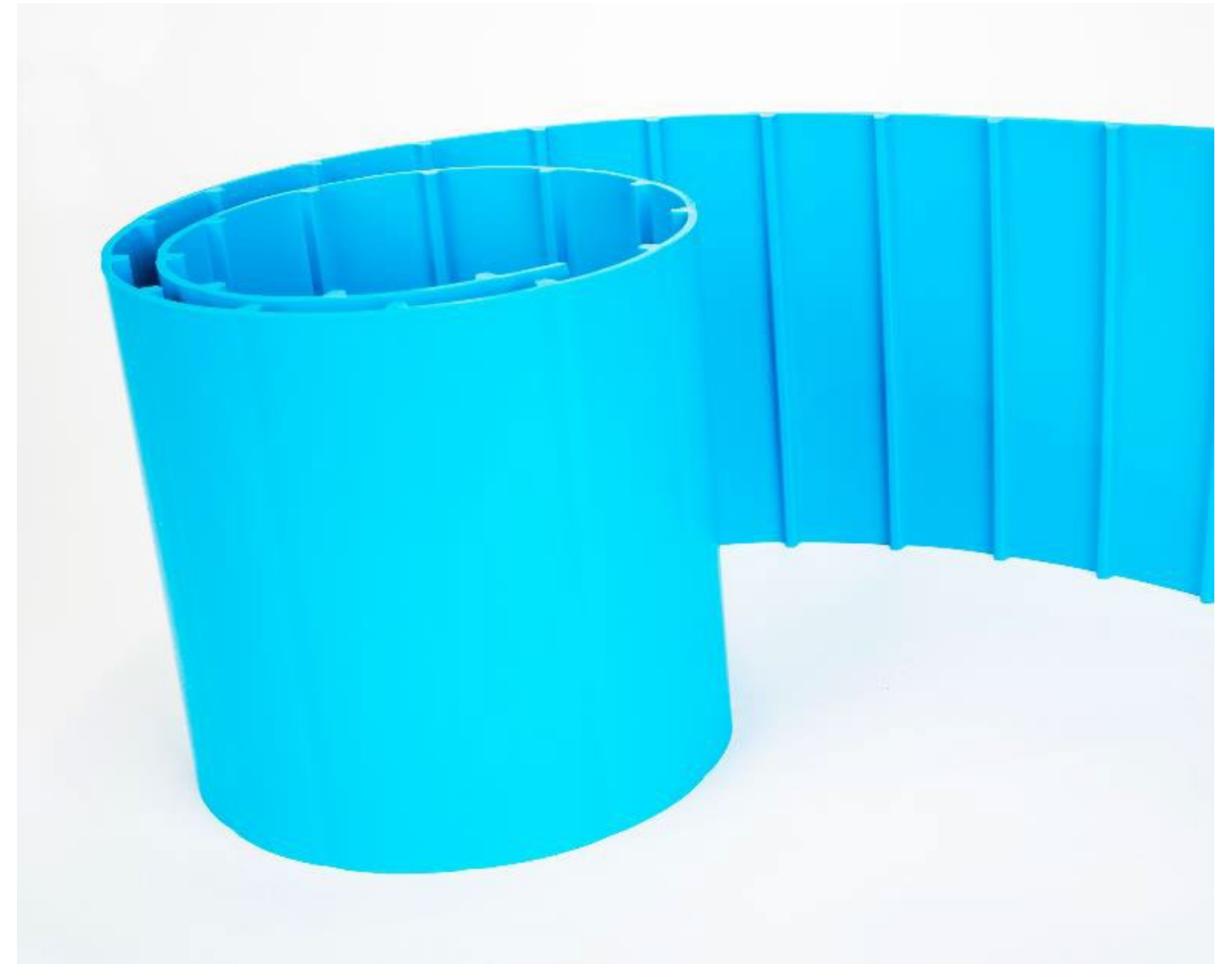






**No warping, no waving, no stretching – just perfectly tensioned, reliable belts that ease the load on your equipment, your team, and your budget.**

- 30% lighter than conventional plastic modular belting to save energy
- Cut cleaning times in half and save up to 2,300 litres of water a year for every 30cm of 610mm wide plastic modular belt replaced
- No re-tensioning needed, and the most durable all-plastic joint in the industry keeps belts safely fastened for low maintenance and maximum uptime
- Our industry-leading Synchro-Clean™ range includes FDA approved, EU-compliant and USDA-accepted belts designed to meet hygiene requirements for the food and beverage sector, without compromising efficiency





**Optimized for use in chain drive conversions with a range of compatible sizes and material components that work together to enhance drive performance.**

- Improved corrosion resistance nickel plating
- Maintenance-free idler sprockets can extend belt length and adjust tensioning on belt drives
- Versatile drive customization can be used to alter belt paths and navigate machinery obstructions
- Using the GT profile as standard rather than industry standard HTD, means less noise and enhanced efficiency for your drive

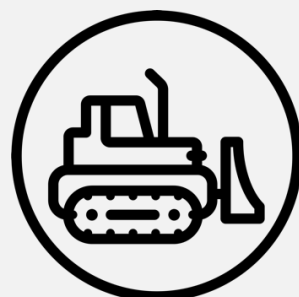




## OPPORTUNITIES IN LUMBER AND FORESTRY

Gates® highly engineered power transmission solutions address the most advanced challenges for lumber and sawmills. Facilities are working to become more sustainable, use less water, electricity, and oil-based products, as well as looking to minimize downtime, improve productivity, and lower maintenance costs.

By switching from less efficient V-belt drives to Gates' evolutionary Poly Chain®, one customer achieved over \$6,000 annually in energy savings and another \$8,500 in reduced maintenance for a total of \$14,500 annual savings.

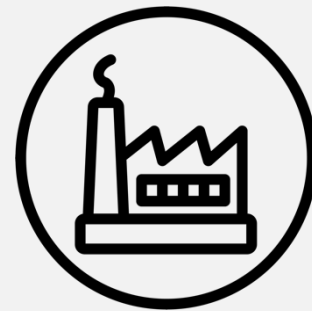
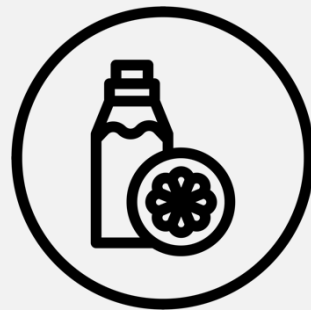




## OPPORTUNITIES IN BEVERAGE AND BOTTLING PLANT MACHINERY

The beverage industry faces important production, economic, market and environmental challenges. The need for product solutions with greater performance, energy efficiency, increased sanitation, and FDA safety are key.

Gates® stainless steel hardware and sprockets are durable and provide superior resistance to rust on the product lines, minimize contamination to the conveying lines and ensure a more hygienic operation with easier washdown.







**As our world continues to evolve and global demands increase, it's important to seek smart, sustainable solutions. Gates® is helping to recalibrate industrial operations to ensure you stay optimized, productive and profitable in today's world... and tomorrow's.**

## YOUR CHALLENGE

- Choosing quality shouldn't have to increase the amount you pay. Heavier roller chain weight and decreased durability on sprockets can be costly to replace
- Oil lubrication requirements in standard roller chains create dangerous safety hazards and installing difficult sprockets poses a risk to employees
- Changing a sprocket or broken chain costs time and money

## OUR SOLUTION

- When you upgrade to Gates' outstanding quality products you never have to pay more. Our Poly Chain® is equivalent in price, and up to 96% lower weight than roller chain. Sprockets last 10x longer for built-in durability
- Gates Poly Chain® Carbon™ Volt® belts require no oil, meeting ISO 9563 standards for the safest, strongest applications in ATEX environments
- With 3x longer lasting Poly Chain® and unparalleled quality, you are guaranteed reduced downtime with reliable and service free products





# ARE YOU READY TO JOIN THE EVOLUTION?

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- In this dynamic and ever-changing world, it's more important than ever to **upgrade to synchronous chain-to-belt solutions**
- When you evolve with Gates® every facet of your industrial operations evolves too
- Our commitment extends from not just expanding our product catalogue, but in supporting all of our customers with value-led service offerings
- That means we'll be on hand to support you from implementation to the end of product service life, **delivering performance transparency** right across your supply chain
- And because sustainability is at the heart of what **we do**, you can be sure that everything **you do** with Gates is **minimizing your environmental footprint, too**

## THE EVOLUTION IS HERE. EVOLVE WITH GATES.

### #CHALLENGEGATES