

EVOLVE WITH GATES



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



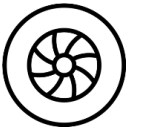


OUR WORLD IS CHANGING. SO, WE NEED TO CHANGE TOO.

- Increased demands in efficiency, CO₂ 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



INCREASING DEMANDS IN TODAY'S WORLD



3



INCREASED ENERGY EFFICIENCY DECREASED COSTS FOR MORE OUTPUT

As energy efficiency demands reshape the HVAC industry, the pressure is on to deliver high-performing systems that minimize energy consumption. With buildings accounting for nearly a third of global energy use, HVAC systems must be resilient and efficient, even under extreme conditions.

Gates power transmission belts are designed to meet these challenges head-on, offering robust performance and efficient power transfer that help reduce energy costs and extend system life. By choosing Gates, you're investing in solutions that support sustainable operations and help optimize every watt of energy used.



RELIABILITY IN HARSH ENVIRONMENTS STAY COOL REGARDLESS OF THE CLIMATE

HVAC systems deal with some seriously tough conditions. Humidity from rain and snow or other elements like wind and small debris can wear out the components and cause them to fail prematurely, elevating costs or even leading to the complete replacement of the air handling unit (AHU).

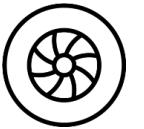
Reliability is never in question with Gates products, we have the technology to keep your heating and cooling systems running in top condition. Our coolant hoses and v-belts are tough enough handle extreme temperature ranges from -70°F to 250°F while ensuring exceptional power transfer efficiency.



NOISE REDUCTION CHALLENGES

When it comes to HVAC systems, noise reduction has become an increasingly critical concern as it not only disturbs occupants but can also cause problems due to strict health and safety regulations in manufacturing settings.

Our power transmission belts are built with precision to reduce disruptive noise and vibrations. We use advanced materials and innovative designs to minimize the risk of noise-related health issues, including stress, hearing loss, and fatigue.

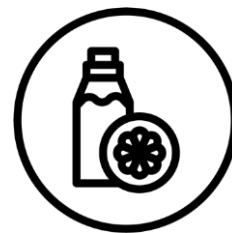


EVOLVE WITH GATES®. IT'S NOT JUST ABOUT OUR PREMIUM PRODUCTS.

WE ARE A GLOBAL **LEADING MANUFACTURER** OFFERING **TAILORED SERVICES** TO MATCH YOUR REQUIREMENTS.

WE ARE **CONSTANTLY INNOVATING** IN SUSTAINABILITY.

WE ARE **PIONEERING TECHNOLOGICALLY ADVANCED SOLUTIONS** TO REDUCE YOUR GLOBAL FOOTPRINT.



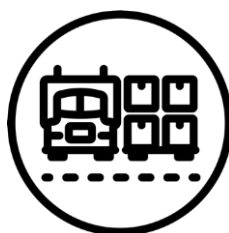
Food &
Beverage



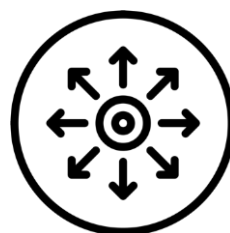
Wood
Manufacturing



Waste Management
Recycling



Warehousing
& Logistics



Diversified
Industrial



Pharma & Healthcare

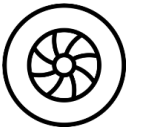


Stationary Manual
Equipment

OUR BROAD PORTFOLIO OF PRODUCTS AND CUSTOMER-CENTRIC SERVICES PLAYS AN ESSENTIAL ROLE IN APPLICATIONS ACROSS ALL INDUSTRIES



OUR VALUE, YOUR BUSINESS



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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 OPTIMISED EFFICIENTLY TOO.

COMPLETE SYSTEM SUPPLIER

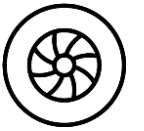
Gates® offers a one-stop solution with all drives designed together to work efficiently, for guaranteed supply continuity and reliability across all system applications.

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 syncing to the Gates catalogue 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 CO₂ emissions** from freight product transportation.



MINIMAL MAINTENANCE & INCREASED UPTIME

Commercial buildings often rely on HVAC systems to run nearly constantly. Downtime is costly, and equipment failure can have a ripple effect on sensitive, temperature-controlled facilities, as well as on occupant wellness and safety. **Gates V-belts and synchronous belts are constructed with premium materials and designed to high tolerances, for increased reliability, decreased maintenance, and minimal downtime.**

SAVE ON ENERGY COSTS

Gates synchronous belts operate at 99% efficiency for the belt's life, increasing overall system efficiency for measurable energy savings. They also offer a longer lifespan than competitive V-belts, significantly minimising costly facility downtime to your customers while reducing a facility's environmental impact.

HIGH EFFICIENCY FOR COMPACT OPERATIONS

Poly Chain Carbon Volt is a power-dense, compact belt, perfect for tight spaces, such as HVAC equipment. It has a longer lifespan than many other belts, minimising replacement maintenance.

SOLUTIONS FOR PRECISE BELT DRIVE APPLICATIONS

PowerGrip GT4 has a high heat tolerance, making it well-suited for high-performance HVAC systems that may experience extreme ambient temperatures. **With a lower upfront cost than Poly Chain Carbon Volt, this belt is popular with original equipment manufacturers.**

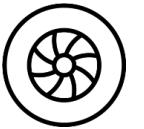


GATES® POLY CHAIN® CARBON™ VOLT™

Combining the latest technology and patented static-conductive construction, our market-leading Poly Chain Carbon Volt belts ensure all your applications operate to the highest safety specifications.



- The perfect solution for **demanding applications with an increased temperature range of -54° C to + 85° C**
- **96% lighter** than roller chain and **3x longer lifetime**
- **Superior resistance:** nylon fabric protects the surface from acids, chemicals, and water
- **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

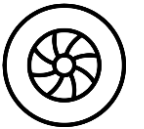


GATES® POWERGRIP™ GT4™

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**





GATES® QUAD-POWER™ 4

By using innovative minimal-stretch cord technology, Gates Quad-Power 4 bandless V-belts are free of maintenance. Unlike conventional belts, the Quad-Power 4 V-belt does not suffer from severe tension decay in the first hours after installation. So, no run-in period nor any re-tensioning is required. This new generation of SERVICE FREE EPDM belts is designed to extend product lifetime, eliminating costly downtime for re-tensioning, repair and replacement

- Temperature range from -50 °C to +130 °C
- RoHS 2 and REACH compliant
- Static conductive (ISO 1813) and can, as such, be used in the conditions described in the Directive 2014/34/EU- ATEX
- Halogen-free belt
- Savings in drive space and weight thanks to high transmission efficiency
- High-stability and smooth-running on the toughest drives
- Significant design economies are possible
- Service-free PowerBand™ V-belt with high stability on the toughest drives
- Match system: all sizes meet Gates UNISER tolerances; they can be installed without matching





GATES® METALS & SPROCKETS

Optimised 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 customisation** can be used to alter belt paths and navigate machinery obstructions
- **Using the GT profile as standard** rather than the industry standard HTD, means **less noise and enhanced efficiency for your drive**



CASE STUDIES

HVAC





OIL REFINERY – HVAC SUCCESS STORY

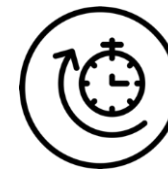
CHALLENGE

An Oil refinery in Norway needed a better quality belt drive system for all 40 of their Fin Fans. The previous belts caused **downtime every 2000 hours, meaning that four times per year, the belts had to be replaced.** This replacement took up to an hour each time. For an oil refinery, that means a **downtime cost** of between €10,000 and €250,000!

WHY GATES

Gates provided the perfect solution: The Gates Poly Chain® Carbon™ Volt™ Timing Belt and Sprockets is a maintenance free system that will **save the customer €350 per belt in maintenance fees.** Our belt also **drastically reduces the downtime costs because it has a 10 times longer lifetime.** Because we provide the most efficient system in the market, the customer will also **reduce the energy cost of their refinery.**

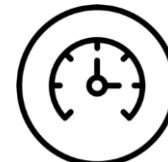
Poly Chain® Carbon™ Volt™ and Sprockets



Increased Uptime



Energy Consumption



Premium Performance





TIRE PRODUCER – HVAC SUCCESS STORY

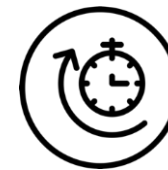
CHALLENGE

A **French tire producer** wanted to upgrade the drive in their HVAC system for their location in Poland. They wanted to go from a V-belt drive to a synchronous belt drive in order to **increase efficiency, reduce maintenance fees, and energy costs.**

WHY GATES

Gates provided the perfect solution: The Gates **Poly Chain Carbon Volt** Timing Belt and **Sprockets** is a **maintenance free** system that will save the customer €500 annually in maintenance fees. Thanks to this belt solution, they will also save €1500 in **energy costs** per year and the elimination of slipping means **100% efficiency.**

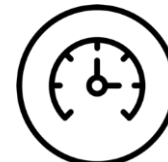
Poly Chain® Carbon™ Volt™ and Sprockets



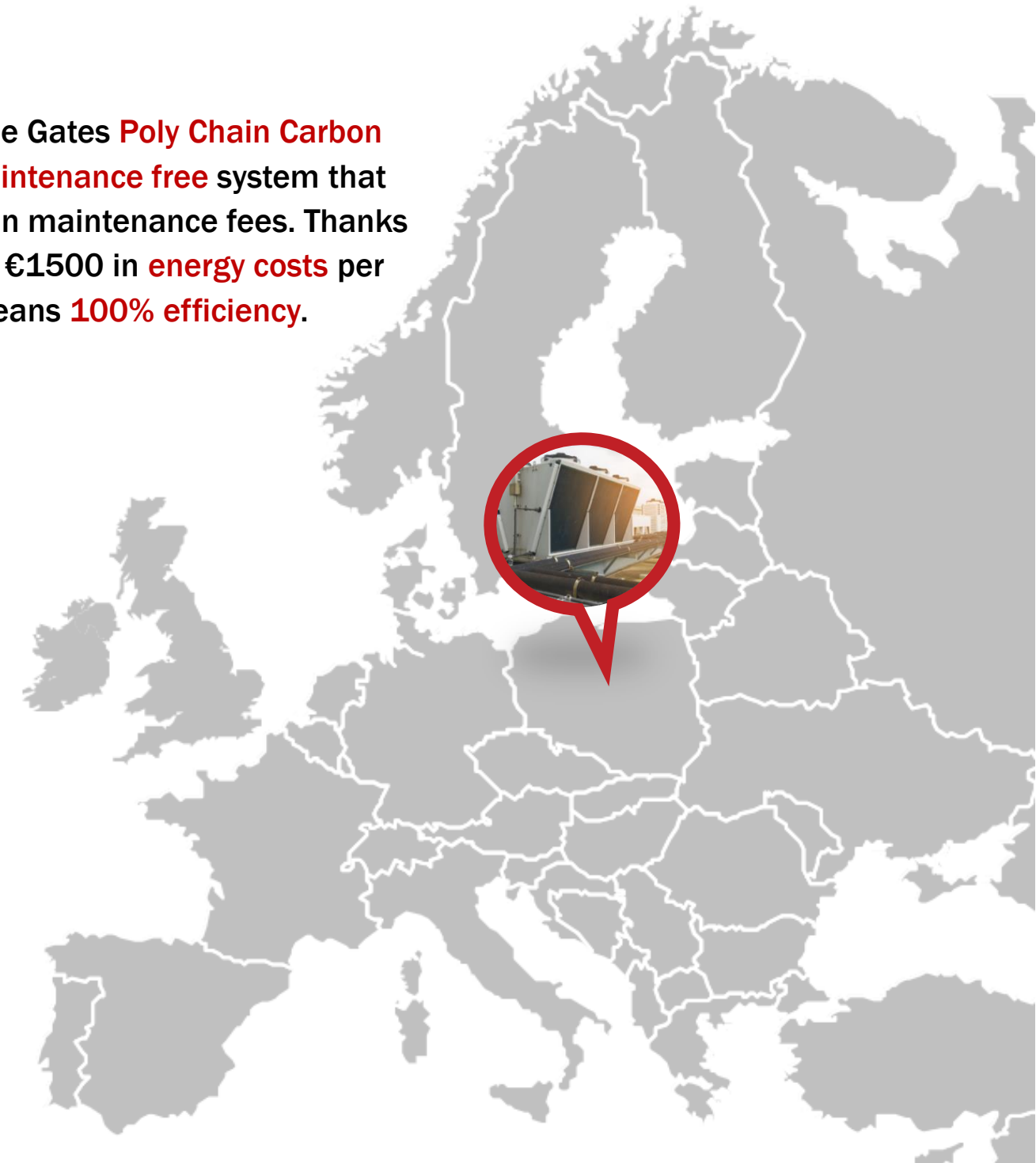
Increased Uptime



Energy Consumption



Premium Performance





CHALLENGE

A broadly diversified and globally leading family-owned technology company was using SUPER HC to drive the air ventilation system in their headquarter in Germany.

They were looking for a **maintenance free** solution to **save on energy cost** and **reduce CO₂ emissions**.

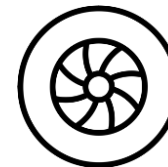
WHY GATES

The Gates Poly Chain and Sprockets are **maintenance free**, saving the company **€300** in annual fees.

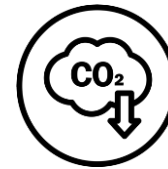
By making the switch, the customer can now **save €1250** per year on **energy cost** and **CO₂ emissions were reduced by 2t**.

The **total cost of ownership savings** for 3 years amounts to **€4385**.

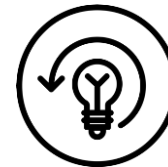
PolyChain® GT™2 and Sprockets



HVAC



GHG
Emissions



Energy
Consumption

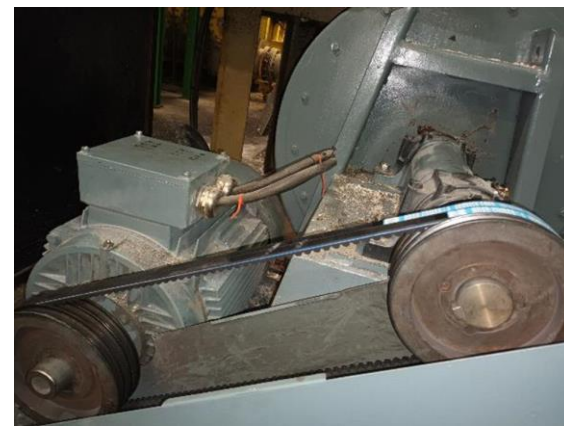




CHALLENGE

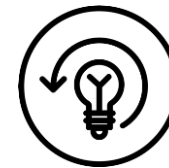
A water science multinational company with its headquarters in France and many factories worldwide decided to expand and invest in an HVAC system for its new water treatment systems and products factory in China. They were looking for belts to drive these HVACs effectively, reliably, and cost-effectively.

Quad-Power™ 4 V-belt



WHY GATES

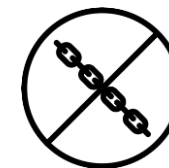
After testing the efficiency of the easy to install Quad-Power 4, the company checked and monitored 5,3% saving in unladen fan and 3,3% on laden fan.



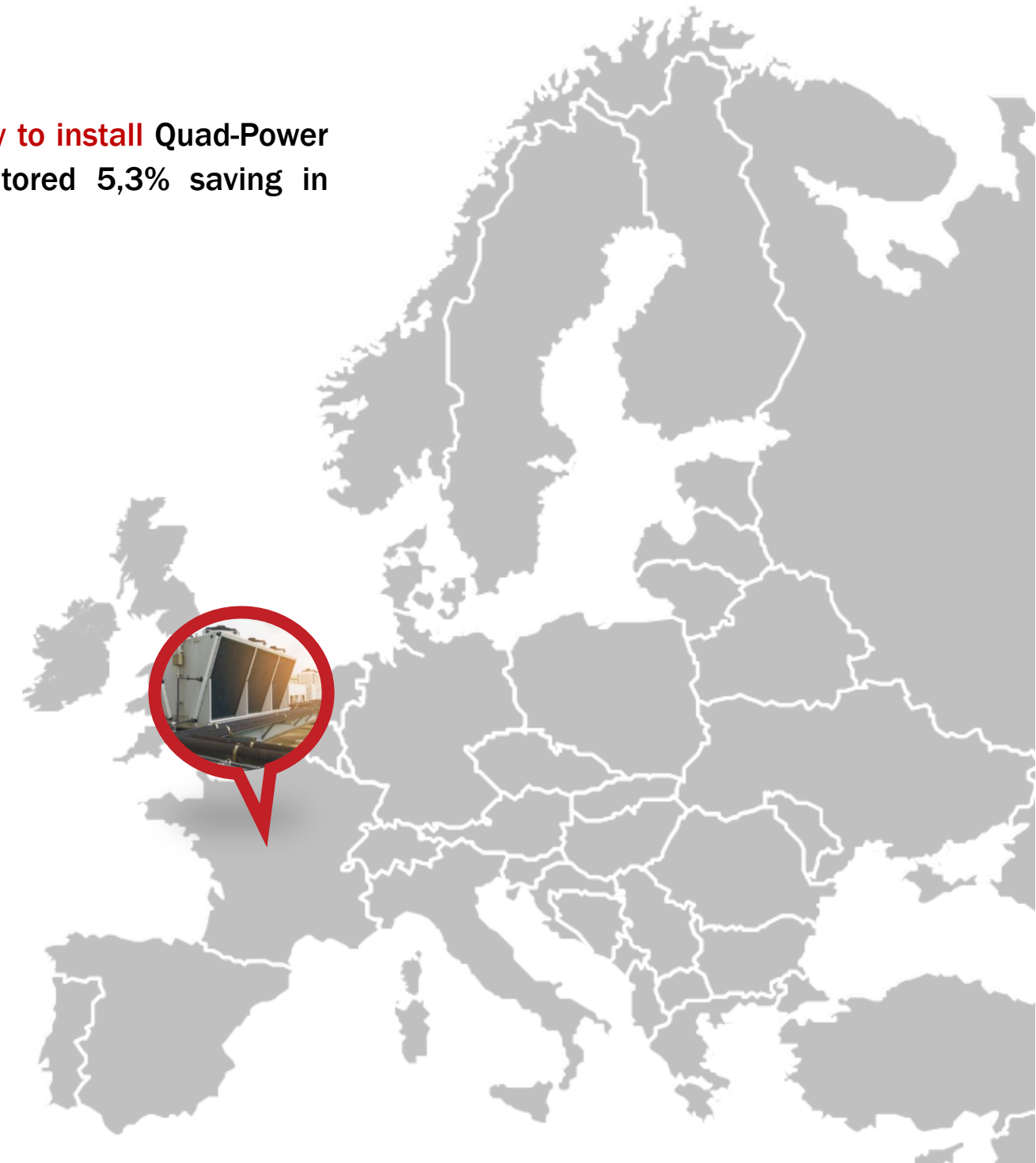
Energy Consumption



Lubricant fee



Chain to Belt





CHALLENGE

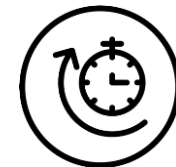
A French company that collects animal carcasses and processes them into biofuels and fertilizers was running a **progress plan to reduce energy consumption** in their facilities.

For their **HVAC system**, they were looking for a drive that would be **easy to install, required no maintenance** and would **save on energy spending**.

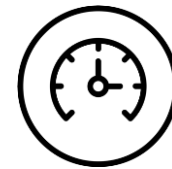
WHY GATES

The Gates **PowerGrip GT4** belt is a **maintenance free** drive with a **longer lifetime**; by installing this more **efficient drive** on the HVAC systems, the customer can reach their **sustainability goals** and target 10% energy savings.

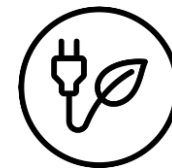
PowerGrip™ GT4™ Synchronous Belts



Increased Uptime



Premium Performance



Energy Efficiency

