

Sugar industry
High performance
industrial lubricants
Ensuring food safety
to maximize productivity



TotalEnergies



Summary

- The benefits offered by TotalEnergies Lubrificants LubAnac & LubInsight
- Your challenges, our solutions
- Product ranges by equipment
- Five good reasons for choosing TotalEnergies Lubrificants

Nevastane

WITH MORE THAN
80 YEARS
OF EXPERIENCE,

Our teams are committed to helping you get more from your equipment for optimum reliability, especially during harvest.

GRASP YOUR INDUSTRIAL PERFORMANCE.



The benefits offered by TotalEnergies Lubrificants



NEVASTANE WAS DEVELOPED TO MEET THE SAFETY REQUIREMENTS OF MAJOR AGRIBUSINESS PLAYERS

FOOD INDUSTRY LEADING STANDARDS FOR QUALITY, HYGIENE AND TRACEABILITY, OUR NSF CERTIFICATIONS ARE:

- NSF H1: Registered formulas incidental food contact possible.
- NSF ISO 21469: Certified factories. All production is therefore carefully monitored and audited to guarantee the highest levels of safety:
 - Formulating review.
 - Traceability and verifications.
 - Product testing.
 - Annual independent audit of our facility and products.



Nevastane also guarantees:



TotalEnergies lubricants, giving you that extra support!

Technical assistance

Present in more than **160 countries**, our experts are always by your side ready to support you:



On-site **audits**.



Identify the Critical Lubrication Points (HACCP).



Rationalization, TCO approach.



Product **recommendations**, optimizations, best practices for usage and storage.



On-site **training**.

LubInsight

maintenance planner optimized maintenance software for your lubricants

Based on the expertise of our engineers, **LubInsight maintenance planner** enables you to:



Increase efficiency and savings of your maintenance operations.



Guarantee quality and safety through documentation management and tracking of critical points.



Monitor your lubricant analysis and parameters with one single tool.

LubAnac

With **LubAnac Indus**, our preventive and corrective oil analysis solution, you can:



Reduce your operating costs.



Optimize drain intervals and **extend** the lifetime of your machines.



Anticipate and plan maintenance operations to **perform them** at the best time.

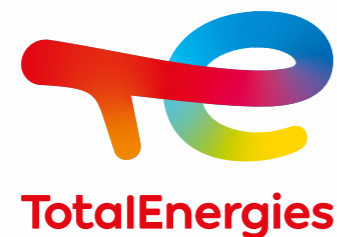


Improve the reliability and performance of your equipment.



A complete offer with specific high-performance products for sugar industry, available throughout the world.

Nevastane range complies and exceeds the highest requirements of food safety and is able to deliver high performance under extreme field conditions.

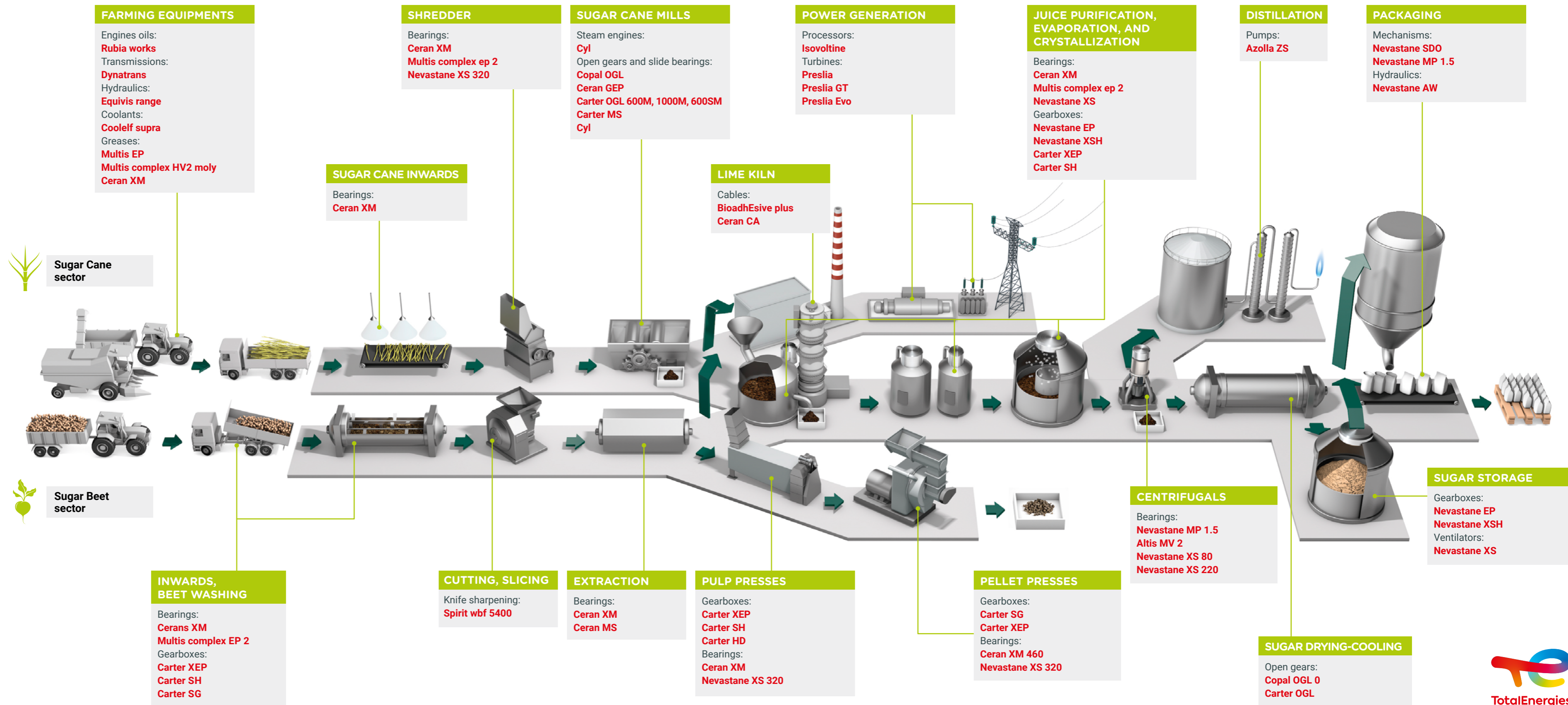


Your challenges

- Guarantee that your equipment is reliable and always available, especially during harvest.
- Use state of the art lubricants to extend equipment lifetime and reduce shutdowns.
- Maximize food safety by following HACCP best practices and using NSF H1 products.
- Find an experienced partner who will accompany you throughout the entire process.

Our solutions

- Efficient in every food processing applications, the Nevastane range protects your equipment no matter how severe the conditions are (extreme temperatures, heavy loads, exposure to water and food).
- A full range of NSF H1 registered lubricants adapted to the possibility of incidental contact with food.
- International network of subsidiaries ensuring local technical support and a robust supply chain that maximizes worldwide product availability.





Hydraulic systems

Hydraulic oils (HM)



- **Azolla ZS:** Mineral oil with good stability during oxidation to protect your equipment from corrosion and wear.
- **Nevastane AW:** Hydraulic based white oil, NSF H1-certified.

Hydraulic oils (HV)

- **Equivis ZS:** Mineral oil for exteriors. Excellent thermal stability that enables to extend drain intervals.
- **Nevastane SH:** Synthetic PAO oil with a high viscosity index. Enhances the lifetime of your equipment, NSF H1-certified.

Gear oils

Mineral oils



- **Carter XEP:** Premium mineral oil delivering the best protection against micropitting and corrosion, in severe conditions.
- **Nevastane EP:** Semi-synthetic gear oil adapted for numerous applications. Guaranteeing superior protection under heavy loads.

Synthetic oils

- **Carter SG:** Synthetic oil (PAG) for high performance. High level of lubrication due to the low friction coefficient.
- **Carter SH:** Synthetic oil (PAO), excellent protection from micropitting. Effective even at low temperatures.
- **Nevastane XSH:** Synthetic oil (PAO) that can be used at a wide range of temperatures. Highly effective under heavy loads, NSF H1-certified.

Solutions for bearings

Oils



- **Nevastane EP:** Semi-synthetic oil adapted for a wide range of applications. Guarantees superior protection under heavy loads, NSF H1-certified.
- **Nevastane XSH:** Synthetic oil (PAO) that can be used at a wide range of temperatures. Highly effective under heavy loads, NSF H1-certified.

Specialty greases

- **Nevastane XS:** High performance, multifunctional grease combining excellent stability (even with significant amounts of water) and high resistance under heavy loads.
- **Multis complex EP2:** High performance multifunctional grease, with resilience to extreme pressure. Can be used at a wide range of temperatures to enhance lifetime of the bearings.

Greases for electric engines and ventilators

Multi-functional EP greases (lithium/calcium)



- **Multis EP2:** Multipurpose grease designed for a wide range of applications. Provides good protection from wear and corrosion, while ensuring high performance even with water.
- **Multis complex S2A:** Grease for bearings with high shearing resistance that can be used in a wide range of temperatures. Enhances the lifetime of bearings.

Polyurea grease

- **Altis EM2:** High performance grease perfectly adapted to high-speed applications such as electric engines, ventilators and many others.

Calcium sulfonate complex grease

- **Nevastane XM100:** Multi-functional grease offering superior protection from corrosion and high resistance to heavy loads, NSF H1-certified.

Turbine oils

Oils for steam, gas, combined-cycle and hydraulic turbines



- **Preslia:** Mineral oil providing excellent oxidation resistance. Enhances equipment performance.

- **Preslia GT:** Hydrocracked mineral oil offering high resistance to oxidation. Good antiwear properties and resilience to extreme pressure. Extended drain intervals.
- **Preslia EVO:** Hydrocracked mineral oil with good thermal stability. Prevents varnish and residue formation.



A major player

With our production, supply chain and commercial presence in more than 160 countries, we deliver a full range of lubricants.

Support and partnership

Thanks to local technical presence, we provide a high level of service to optimize your Total Cost of Ownership.

References & OEMs

TotalEnergies Lubrifiants cooperates with equipment manufacturers to create high-technology products for optimal performance and production of your machinery.



Innovation & Research

TotalEnergies Lubrifiants invests in biotechnologies to find the most suitable components to reach energy efficiency through formulations designed in our Research Centers.

Quality and environment

TotalEnergies Lubrifiants ISO 9001 and 14001 certifications are the guarantee of a long term commitment to quality and environment. From the initial design stage, our R&D teams seek to develop products that minimize toxicity risks and environmental impact.



TotalEnergies



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Safety Data Sheets are available at ms-sds.totalenergies.com



TotalEnergies Industry Solutions