



Animal feed industry

High performance industrial lubricants

Ensuring food safety to maximize productivity



TotalEnergies



Summary

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

Nevastane

WITH MORE THAN 80 YEARS OF EXPERIENCE,

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

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.

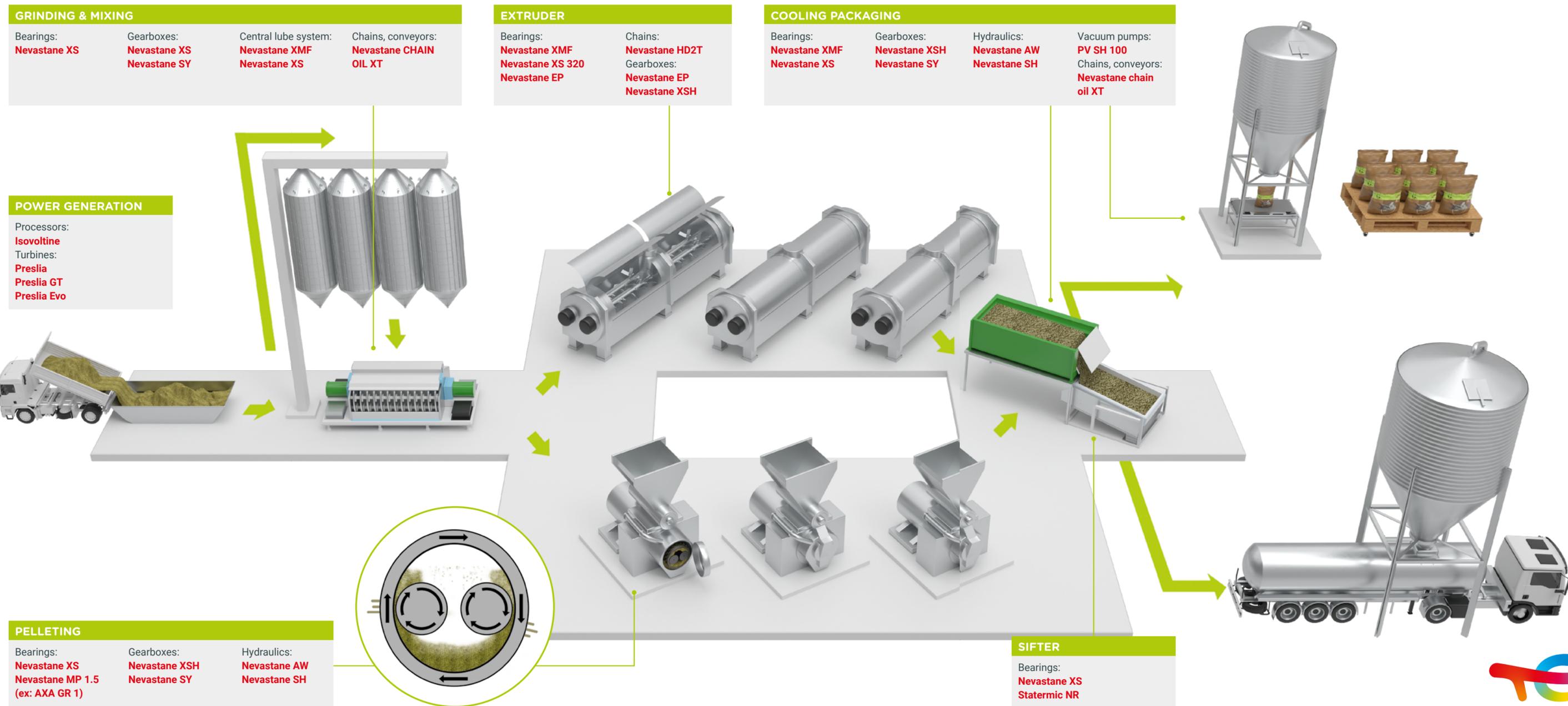


Your challenges

- Guarantee that your equipment is reliable and always available.
- 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 lubricant partner to rationalize and optimize your 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 dust).
- A full range of NSF H1 registered lubricants adapted to the possibility of incidental contact with food.
- International network of subsidiaries ensuring local and technical support, and a robust supply chain that maximizes worldwide product availability.
- TotalEnergies Lubrificants is an experienced multi-specialist company able to offer a large range of specialized lubricants.



TotalEnergies has developed a complete offer of high-performance products, 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.



Dedicated oils



- **Nevastane EP:** Semi-synthetic oil for gears and bearings, adapted to a wide range of applications. Excellent extreme pressure properties. Can be used in wet pet food as seemer oil. Certified
- **Nevastane XSH:** PAO synthetic oil for gears and bearings, adapted to high loads and wide temperature range. Extension of oil drain intervals. Certified
- **Nevastane SY:** High performance synthetic oil (PAG). Reduces energy consumption and extends equipment lifetime due to very low friction coefficient. Excellent thermal stability. Effective even in presence of water. Certified
- **Nevastane oil XT:** Continuous lubricating oil for conveyor chains operating at very high temperatures. Adapted for very high loads and devices at temperature up to 240 °C. Reduces the consumption thanks to its very low volatility and oxidation resistance. Certified

Special greases



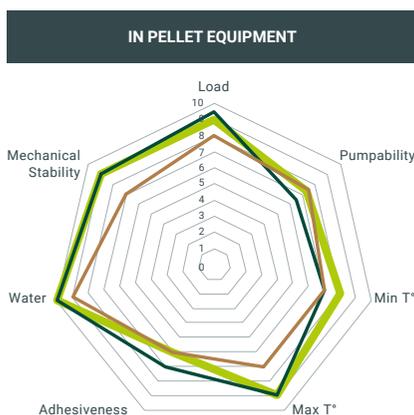
- **Nevastane mp 1.5:** Extreme Pressure grease for bearings in Food Processing Industry. Suitable for pellet presses. Protection against corrosion in presence of water. Certified
- **Nevastane XS 220-320:** Very high performance synthetic EP grease. Ideal for application in Food Industry, particularly in pellet presses. Excellent water and dust resistance, long service life. Certified
- **Nevastane XM 460:** EP grease for industrial application under severe conditions: high loads, hard pellets, etc. Excellent water and dust resistance. Long service life. Certified
- **Nevastane XMF:** Multipurpose grease for Food Industry. Good adhesiveness on metallic surfaces. Provides excellent corrosion protection and water resistance. Certified
- **Multis EP2:** Multipurpose grease with excellent extreme pressure properties. Enables to rationalize stocks and simplify maintenance operations.

Specific products



- **Nevastane Lube Aerosol, Grease Aerosol, Silicone Safeguard:** Various applications, small machines and chains subject to extreme temperatures.

Specific greases for pelleting machine: Nevastane XS 320 vs Nevastane XM 460 vs Nevastane MP 1.5



PRODUCTS	SPECIFIC ADVANTAGES	THICKENER	NLGI GRADE	TEMP. RANGE (°C)	REGISTRATION
Nevastane XS 320	High performance synthetic pellet press grease. Excellent EP performances. High water and dust resistance. Extends lifetime of equipment.	Calcium sulfonate complex	1.5	-30 °C; +180 °C	NSF H1 ISO 21469 KOSHER HALAL
Nevastane XM 460	High quality grease for severe conditions: heavy loads, hard pellets, water, dust.	Calcium sulfonate complex	1.5	-25 °C; +180 °C	NSF H1 ISO 21469 KOSHER HALAL
Nevastane MP 1.5	High quality pellet press grease. Effective in damp environment	Calcium complex	1.5	-20 °C; +150 °C	NSF H1 ISO 21469 KOSHER HALAL



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



Innovation & Research

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

Quality and environment

TotalEnergies Lubrificants 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.



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



TotalEnergies Industry Solutions