



Aluminum processing fluids

Hot & cold rolling mills

Expertise and technical
support for all applications



TotalEnergies

Aluminum processing fluids

Aluminum is one of the key engineering materials of our time.

As an involved company in aluminum rolling, the ongoing challenge for TotalEnergies is to satisfy the growing demand in aluminum, through a complete dedicated lubricant range.

Our main objectives are to bring you:

- Productivity
- Cost savings
- Performance
- Sustainability

HYDRAULIC SYSTEMS

Mineral:
Azolla ZS
Fire resistant:
Hydransafe HFDU

CENTRALIZED GREASING SYSTEM

Ceran XM
Multis EP

BEARING LUBRICATION

Morgoil:
Cortis MS
Roller bearing:
Carter EP

DOWNCOILER & MANDREL

Ceran HRM

EDGE TRIMMING & SCALPING

Valona MQL
Valona Bio

HOT ROLLING EMULSIONS

Tandemol series
Noa series
Hydraulic (compatible):
Vital fluid series
Noa lubric series
Noa RT roller table lubricants

GEAR UNITS

Synthetic:
Carter SH
Heavy duty:
Carter HD
Mineral:
Carter EP

DRIVESHAFT

Mill coupling:
Ceran ST2

COLD ROLLING OILS

Lubrilam S series
Additives:
Lubrilam ADD series

LOW STAINING OILS

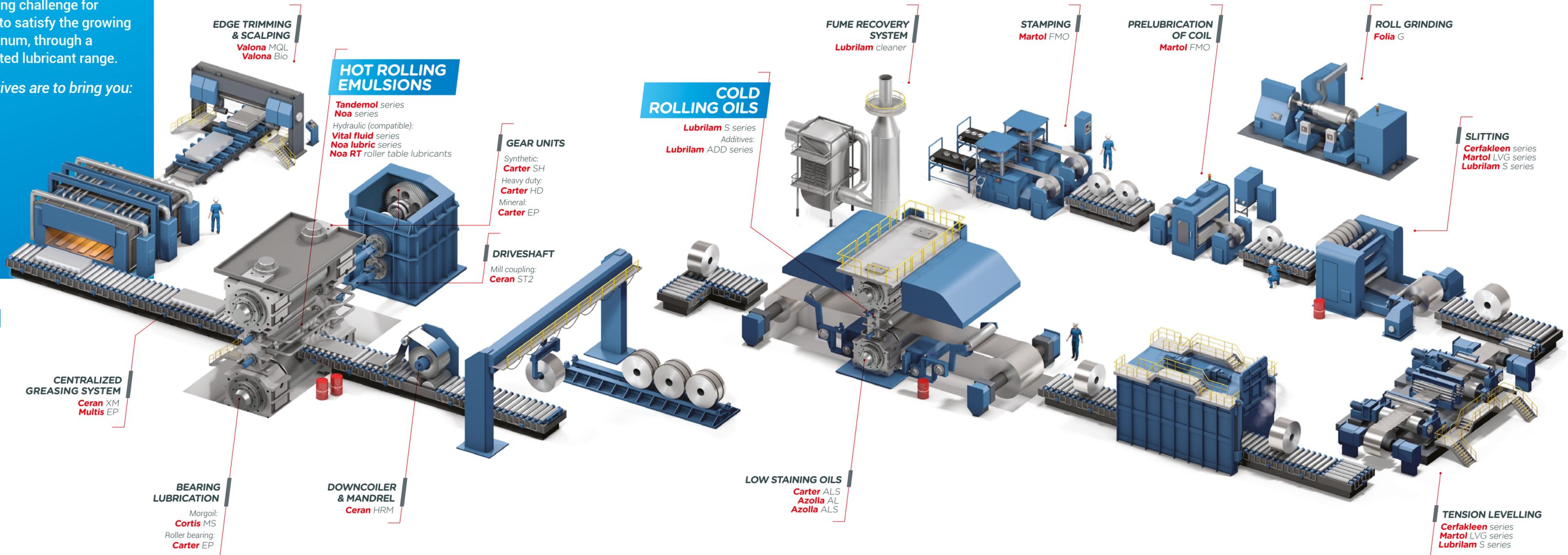
Carter ALS
Azolla AL
Azolla ALS

Your challenges

- **Effective cost management**
To face a competitive business.
- **Metal quality output**
To match end customers' expectations.
- **Productivity**
To supply current business and seize opportunities.

Our solutions

- **Tailor-made products**
To bring savings through product development and continuous progress plans.
- **Complete product portfolio**
To optimize both quality and productivity.
- **Technical expertise**
To be able to support all along the process.



The **benefits** offered by TotalEnergies Lubrificants

LubAnac

This service provides you a full range of lube oil analysis, to allow you to anticipate and diagnose anomalies in the equipment. This solution is both preventive and corrective.

Thanks to LubAnac, you:



Reduce your operating costs.



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



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



Improve the reliability and performance of your equipment.

A unique product portfolio

Renowned rolling oils:

- **Noa** and **Tandemol series** are hot rolling oils from TotalEnergies sold to aluminum rolling companies for **more than 30 years**.
- **Lubrilam series** are premium cold rolling oils produced and sold by TotalEnergies to aluminum rolling companies.

Specialty products dedicated to the Aluminum Industry:

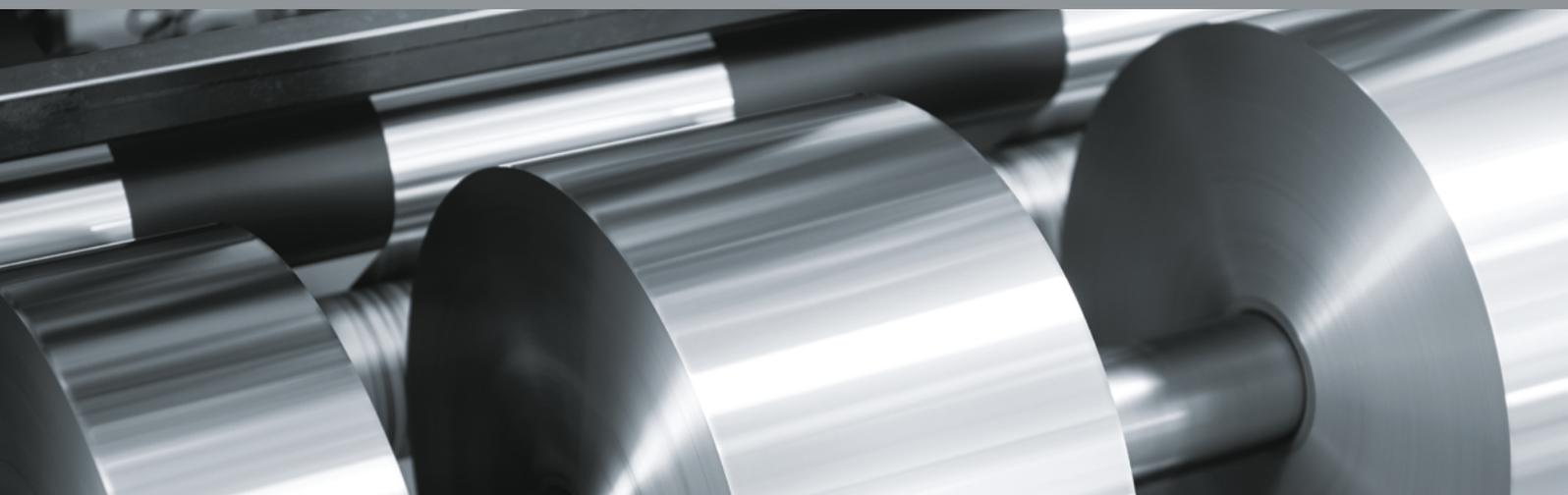
- Compatible hydraulic oils: **Vital fluid series**, **Noa lubric series**.
- Low-Stain oils.
- Air-wash scrubber oils.

General maintenance lubricants and greases.

Rolling Competence Center (RCC)

The RCC is composed of TotalEnergies's **international team of metal rolling experts**, working together to:

- Provide a unified, consistent and superior platform of rolling fluid technologies to customers worldwide, including **product development** of tailor made formulations.
- Deliver high level on-site **technical support and problem solving**.
- Drive and create value for TotalEnergies customers through integration of **best product with best practice for each process**.





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.

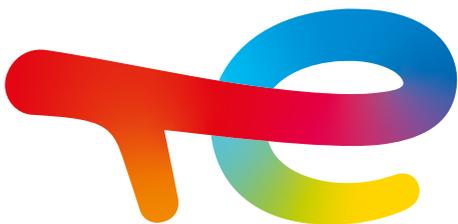


Innovation & Research

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.



TotalEnergies



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



TotalEnergies Industry Solutions