

### **YOUR SERVICES**

### **FLUID ANALYSIS FOR PREDICTIVE** AND PROACTIVE MAINTENANCE

The LubAnac diagnosis interprets the condition of your used oil and offers a unique preventive and corrective maintenance service. It allows you to improve your equipment management by reducing your operating costs and optimizing the maintenance of your mining machines. Lubexam dashboard helps you to track your oil analysis results, easily highlight issues and follow trends.

### ONLINE TANK LEVEL MONITORING WITH SMART TANKS

The Smart Tanks system enables you to avoid risks of running out of stock. Thanks to the measuring device permanently located in your tanks, when a critical level (fixed by you) is reached, an alert is automatically sent to TotalEnergies which then contacts you to arrange a delivery.

### TRAINING PROGRAMS ON LUBES, GREASES, FUELS **AND SAFETY**

TotalEnergies various training programs are aimed to help your team get a better understanding of fuel and lubricants and applying this knowledge to improving fuel and lubrication practices at a mine site.

### TO SIMPLIFY THE MANAGEMENT OF YOUR OPERATIONS

OPTIMIZATION OF

their sources of energy consumption.

**ENERGY CONSUMPTION** 

Optimizer is an energy monitoring solution developed

by TotalEnergies to help mining companies manage all

**MAINTENANCE SOFTWARE** 

**OPEN GEAR INSPECTION** 

TotalEnergies inspects open gears across the world and

advises not only on lubrication, but also on maintenance

and repair operations to be conducted on the open gears.

**AND EXPERTISE** 

LubInsight Maintenance Planner reduces the complexity of maintenance management to increase productivity and savings.

## FILTRATION SOLUTIONS TO PROTECT YOUR MACHINES

Whatever the quality of the products delivered from the refinery or lubricant blending plant, the risk of contamination and ingress of dirt and water remains present at each step of the supply chain.

TotalEnergies Mining Solutions provides effective filtration solutions aimed at closely controlling the product cleanliness and minimizing its particle content. In compliance with equipment manufacturers specifications, TotalEnergies filtration solutions reduce your maintenance and downtime.

#### 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.

good reasons for choosing **TotalEnergies** Lubrifiants

### **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** 

### Innovation

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

# & Research



Operating sustainably and responsibly everyday



### The benefits offered by **TotalEnergies** Lubrifiants



### **MINING INDUSTRY**

players in the market for more than integrated lubricant solution for

- Safe and sustainable
- A value oriented approach your production costs.
- A reliable supply chain to deliver
- Field support and customized expertise with more than 300 engineers distributed

Our products are formulated to comply with and exceed the latest OEM specifications.

### **TESTIMONIALS**

#### **ON-SITE MANAGEMENT**

« The implementation of the VMS (Vendor Management Scheme) by TotalEnergies did show that costs can be substantially reduced without new investments, without OPEX modification by the company and without impacts on the supply and production as well as the distribution / haulage chain. Fuel consumption decreased by 30 %. »

Laurent B. Procurement Manager

#### **HSEQ VALUES FOR OPERATION** 12 GOLDEN RULES

« The TotalEnergies team keeps safety at the highest priority while providing supply and inventory management services for hydrocarbons to the mining sites. »

Luis R. Site Manager

### **TECHNICAL ON SITE SUPPORT** WITH NETWORK OF MINING **AND REGIONAL EXPERTS**

« TotalEnergies's technical staff visit our sites regularly to take part in technical meetings and to ensure product quality and performance. They have been professional and have added value to our operations. »

Julia M. Operation Manager

#### **GLOBAL ACCOUNT MANAGEMENT**

« TotalEnergies made the right move to global account management, which makes it easier for us to engage and resolve issues and do deals globally. »

Paul V. Major Mining Company in Australia

Lubrication & services





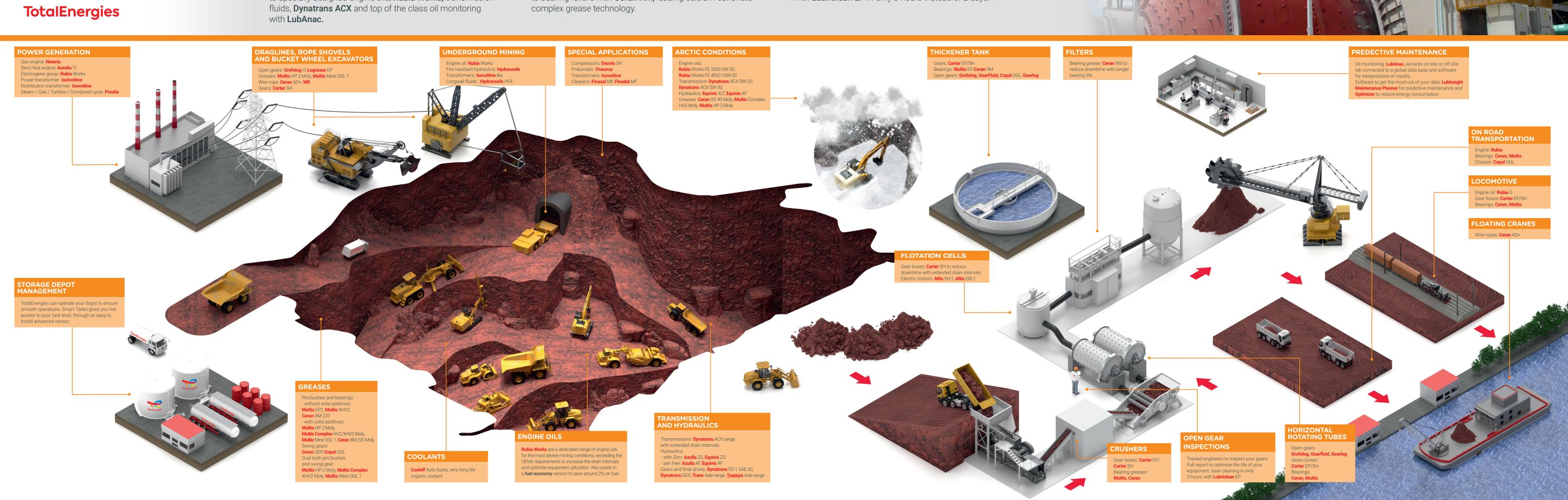
TotalEnergies Industry Solutions

Jl. RA Kartini Kav. 8 Jakarta - 12430 -- INDONESIA T.: +62 21 50989333



### BOOST YOUR PRODUCTIVITY AND REDUCE YOUR MAINTENANCE COST WITH FIELD PROVEN SOLUTIONS:

- Extend fleet utilization with increased drain intervals thanks to specially designed engine oils, Rubia Works, transmission fluids, **Dynatrans ACX** and top of the class oil monitoring
- Increase productivity of the plant by reducing downtime due to bearing failure with **Ceran XM**, leading calcium sulfonate complex grease technology.
- Produce more on your mills by cleaning the open gear with **Lubriclean EP** in only 3 hours instead of 2 days.





Mining